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Retail prices exclusive VAT

as of 12.12.2023

CONTROL SYSTEMS FOR BUILDINGS, CONSERVATORIES AND PATIO ROOFS

SIMPLY AT HOME

CONVENTIONAL BUILDING TECHNOLOGY, INSTALLATION TECHNOLOGY

MODBUS & RS485

KNX

ACCESSORIES

CONTROL SYSTEMS FOR BUILDINGS, CONSERVATORIES AND PATIO ROOFS

CONTROL UNITS FOR BUILDINGS, CONSERVATORIES & PATIO ROOFS

NAME	WS1000 CONNECT	WS1000 STYLE (COLOR)	WS1 STYLE (COLOR)	SOLEXA II	SOLEXA	AREXA
Item number	60241-60244, 60246	Style: 60201-60204, 60206-60209, 60214 Color: 60121-60128	Style: 60180-60189, 60194 Color: 60135-60142, 60145, 60146	10144, 10150	10110, 10130-10131	10115
Product info on ...	*Page 6*	*Page 6 & 8*	*Page 7 & 8*	*Page 9*	*Page 9*	*Page 10*
Type	Central Unit	Central Unit	Central Unit	Radio control system	Shading control	Window control
Wired Outputs	4-10x Drive, 4x Multifunction	4-10x Drive, 4x Multifunction	0-4x Drive, 2x Multifunction	1x Drive	1x Drive	1x Drive
Wired Inputs	4x Multifunction 10x wall push buttons	4x Multifunction 10x wall push buttons	2x Multifunction 4x wall push buttons	–	–	–
Radio Outputs	32 input/output channels for remote control, push buttons, sensors & actuators	32 input/output channels for remote control, push buttons, sensors & actuators	32 input/output channels for remote control, push buttons, sensors & actuators	16x radio actuator	–	–
Radio Inputs				32 (Remote control, push buttons, sensors)	Remote control	Remote control
Room sensors inclusively	Outdoor sensor for temperature, air humidity	Outdoor sensor for temperature, air humidity	Indoor sensor for temperature, humidity	Indoor sensor for temperature	Indoor sensor for temperature	Indoor sensor for temperature
Room sensors optional	Outdoor sensor for temperature, air humidity (& CO_2)	Outdoor sensor for temperature, air humidity (& CO_2)	Outdoor sensor for temperature, air humidity (& CO_2)	Outdoor sensor for temperature, air humidity (& CO_2)	–	–
Weather sensors inclusively	temperature, brightness, wind velocity, precipitation	temperature, brightness, wind velocity, precipitation	temperature, brightness, wind velocity, precipitation	temperature, brightness, wind velocity, precipitation	temperature, brightness, wind velocity, precipitation	temperature, brightness, wind velocity, precipitation
Interfaces	LAN/WLAN (integrated)	–	–	WLAN for app usage (optional)	–	–
Control for:						
Window	✓	✓	✓	✓	–	✓
Awning	✓	✓	✓	✓	✓	–
Blind	✓	✓	✓	✓	✓	–
Shutter	✓	✓	✓	✓	✓	–
Heating	✓	✓	✓	✓	–	–
Cooling	✓	✓	✓	–	–	–
Alarm signal	✓	✓	✓	–	–	–
Ventilation devices	✓	✓	✓	–	–	–
Gutter heating	✓	✓	✓	✓	–	–
Light	✓	✓	✓	✓	–	–
Motion detector	✓	✓	✓	–	–	–
Smoke detector	✓	✓	✓	–	–	–
SD Card	✓	✓	✓ (only WS1 Style)	–	–	–
Calculation of the position of the sun	✓	✓	✓	–	–	–

CENTRAL CONTROL UNITS

WS1000® Connect Building/Conservatory Controls

- Complete system comprising central unit, weather station and indoor sensor

Central unit:

- Available for 4, 6, 8 or 10 drive outputs (for awning, blind, shutter, window, sliding door). Drive outputs 230 V or potential-free (PF version)
- 4 multifunctional outputs (for heating, cooling, ventilation, alarm, light, gutter heating)
- 4 multifunctional inputs (for motion or smoke detector, door contact, binary contact, switch signal of a heating / cooling system a camera or for reset)
- 10 connections for external push buttons
- 32 radio channels (for Elsner RF remote control, RF push buttons, RF actuators, RF sensors), Radio frequency 868.2 MHz, Elsner RF
- SD card slot for images (slideshow) and backup of settings
- Network connection (LAN or WLAN, including Internet connection) for surfing, use of the WS1000 Connect App on mobile devices, remote diagnostics
- Integrated speakers (4 tweeters, 1 full-range loudspeaker)

- Colour touch display 10.1 inches, real glass surface. Housing plastic
- Flush- / cavity wall mounting
- Approx. 279 × 185 (W × H, mm), mounting depth approx. 29 mm, concealed box approx. 254 × 171 × 85 (W × H × D, mm)
- Colour black glossy
- Supply: 230 V AC, 50 Hz

Weather station P04i-GPS:

- With brightness sensor, wind speed sensor, heated precipitation sensor, outdoor temperature sensor and GPS receiver (internat. time signal, position)
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm)
- Colour white

Indoor sensor WGTH gl:

- For temperature and air humidity
- Wall mounting in a socket. Frame included
- Glass surface, colour pure white RAL 9010

Optional accessories:

Radio remote controls	p. 10
Radio control modules	p. 11
Radio sensors	p. 14
Weather sensors	p. 15

Nº 60241	**WS1000 Connect-4**, 4 drive outputs		X1	**2,719.33 €**
Nº 60242	**WS1000 Connect-6**, 6 drive outputs		X1	**2,960.50 €**
Nº 60243	**WS1000 Connect-8**, 8 drive outputs		X1	**3,201.68 €**
Nº 60244	**WS1000 Connect-10**, 10 drive outputs		X1	**3,443.70 €**
Nº 60246	**WS1000 Connect-10 PF**, 10 potential-free drive outputs		X1	**3,443.70 €**

WS1000® Style Building/Conservatory Controls

- Complete system comprising central unit, weather station and indoor sensor WGTH-UP
- Available in 2 colours: „white" (central unit white / grey, indoor sensor white glossy), „black" (central unit dark grey / black, indoor sensor aluminium matt). Weather station always white.

Central unit:

- Available for 4, 6, 8 or 10 drive outputs (for awning, blind, shutter, window, sliding door). Drive outputs 230 V or potential-free (PF version)
- 4 multifunctional outputs (for heating, cooling, ventilation, alarm, light, gutter heating)
  4 multifunctional inputs (for motion or smoke detector, door contact, binary contact, switch signal of a heating / cooling system a camera or for reset)
- 10 connections for external push buttons
- 32 radio channels (for Elsner RF remote control, RF push buttons, RF actuators, RF sensors), Radio frequency 868.2 MHz, Elsner RF

- SD card slot for images (slideshow) and backup of settings
- Colour touch display 8.4 inches, real glass surface
- Flush-/cavity wall mounting
- Approx. 270 × 185 (W × H, mm), mounting depth approx. 9 mm, concealed box approx. 254 × 171 × 85 (W × H × D, mm)
- Supply: 230 V AC

Weather station P04i-GPS:

- With brightness sensor, wind speed sensor, heated precipitation sensor, outdoor temperature sensor and GPS receiver (internat. time signal, position)
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm)

Indoor sensor WGTH-UP:

- For temperature and air humidity
- Installation in a socket. Frame included

Nº 60201	**WS1000 Style-4** white, 4 drive outputs	X1	2,162.27 €
Nº 60202	**WS1000 Style-6** white, 6 drive outputs	X1	2,572.35 €
Nº 60203	**WS1000 Style-8** white, 8 drive outputs	X1	2,982.44 €
Nº 60204	**WS1000 Style-10** white, 10 drive outputs	X1	3,392.52 €
Nº 60206	**WS1000 Style-4** black, 4 drive outputs	X1	2,162.27 €
Nº 60207	**WS1000 Style-6** black, 6 drive outputs	X1	2,572.35 €
Nº 60208	**WS1000 Style-8** black, 8 drive outputs	X1	2,982.44 €
Nº 60209	**WS1000 Style-10** black, 10 drive outputs	X1	3,392.52 €
Nº 60214	**WS1000 Style-10 PF** white, 10 potential-free drive outputs	X1	3,392.52 €

WS1® Style Building/Conservatory Controls

- Complete system comprising central unit (with integrated sensor for temperature and humidity) and weather station
- Available in 2 colours: „white" (white / grey), „black" (dark grey / black).
  Weather station always white

Central unit:
- Available with 1, 2, 3 or 4 drive outputs (for awning, blind, shutter, window, sliding door) or without drive outputs. Drive outputs 230 V or potential-free (PF version)
- 2 multifunctional outputs (for heating, cooling, ventilation, alarm, light, gutter heating)
- 2 multifunctional inputs (for motion or smoke detector, door contact, binary contact, switch signal of a heating/cooling system, a camera or for reset)
- 4 connections for external push buttons
- 32 radio channels (for Elsner RF remote control, RF push buttons, RF actuators, RF sensors), Radio frequency 868.2 MHz, Elsner RF

- SD card slot for images (slideshow) and backup of settings
- Colour touch display 5.7 inches, real glass surface
- Flush- / cavity wall mounting (housing for surface mounting available separately)
- Approx. 181 × 131 (W × H mm), mounting depth approx. 8 mm, concealed box approx. 172 × 122 × 81 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz

Weather station P04i-GPS:
- With brightness sensor, wind speed sensor, heated precipitation sensor, outdoor temperature sensor and GPS receiver (internat. time signal, position)
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm)

Nº 60180	**WS1 Style-0** white, without drive outputs	X1	1,132.77 €
Nº 60181	**WS1 Style-1** white, 1 drive output	X1	1,237.73 €
Nº 60182	**WS1 Style-2** white, 2 drive outputs	X1	1,419.24 €
Nº 60183	**WS1 Style-3** white, 3 drive outputs	X1	1,600.76 €
Nº 60184	**WS1 Style-4** white, 4 drive outputs	X1	1,782.27 €
Nº 60185	**WS1 Style-0** black, without drive outputs	X1	1,132.77 €
Nº 60186	**WS1 Style-1** black, 1 drive output	X1	1,237.73 €
Nº 60187	**WS1 Style-2** black, 2 drive outputs	X1	1,419.24 €
Nº 60188	**WS1 Style-3** black, 3 drive outputs	X1	1,600.76 €
Nº 60189	**WS1 Style-4** black, 4 drive outputs	X1	1,782.27 €
Nº 60194	**WS1 Style-4 PF** white, 4 potential-free drive outputs	X1	1,782.27 €

WS1000® Color Building/Conservatory Controls

- Complete system comprising central unit, weather station and WGTH-UP indoor sensor
- Available in 2 colours: „white" (central unit white / grey glossy, WGTH-UP white glossy), „alu" (central unit white aluminium / graphite glossy, WGTH-UP aluminium matt).
  Weather station always white.

Central unit:
- Available for 4, 6, 8 or 10 drive outputs (for awning, blind, shutter, window, sliding door).
  Drive outputs 230 V
- 4 multifunctional outputs (for heating, cooling, ventilation, alarm, light, gutter heating)
  4 multifunctional inputs (for motion or smoke detector, door contact, binary contact, switch signal of a heating/cooling system a camera or for reset)
- 10 connections for external push buttons.
- 32 radio channels (for Elsner RF remote control, RF push buttons, RF actuators, RF sensors), Radio frequency 868.2 MHz, Elsner RF

- SD card slot for images (slideshow) and backup of settings
- Colour touch display 8.4 inches
- Flush-/cavity wall mounting
- Housing plastic, partly painted
- Approx. 250 × 182 × 43, concealed box approx. 235 × 169 × 62 (W × H × D, mm), 50 Hz
- Supply: 230 V AC

Weather station P04i-GPS:
- With brightness sensor, wind speed sensor, heated precipitation sensor, outdoor temperature sensor and GPS receiver (internat. time signal, position)
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm)

Indoor sensor WGTH-UP:
- For temperature and air humidity
- Installation in a socket. Frame included

Optional accessories:

Nº 60121	**WS1000 Color-4** white, 4 drive outputs	X1	**1,926.89 €**
Nº 60122	**WS1000 Color-6** white, 6 drive outputs	X1	**2,366.39 €**
Nº 60123	**WS1000 Color-8** white, 8 drive outputs	X1	**2,805.88 €**
Nº 60124	**WS1000 Color-10** white, 10 drive outputs	X1	**3,245.38 €**
Nº 60125	**WS1000 Color-4** alu, 4 drive outputs	X1	**1,926.89 €**
Nº 60126	**WS1000 Color-6** alu, 6 drive outputs	X1	**2,366.39 €**
Nº 60127	**WS1000 Color-8** alu, 8 drive outputs	X1	**2,805.88 €**
Nº 60128	**WS1000 Color-10** alu, 10 drive outputs	X1	**3,245.38 €**

WS1® Color Building/Conservatory Controls

- Complete system comprising central unit (with integrated sensor for temperature and humidity) and weather station
- Available in 2 colours: „white" (white / grey glossy), „alu" (white aluminium / graphite glossy).
  Weather station always white

Central unit:
- Available with 1, 2, 3 or 4 drive outputs (for awning, blind, shutter, window, sliding door) or without drive outputs. Drive outputs 230 V.
- 2 multifunctional outputs (for heating, cooling, ventilation, alarm, light, gutter heating)
- 2 multifunctional inputs (for motion or smoke detector, door contact, binary contact, switch signal of a heating/cooling system a camera or for reset)
- 4 connections for external push buttons

- 32 radio channels (for Elsner RF remote control, RF push buttons, RF actuators, RF sensors), Radio frequency 868.2 MHz, Elsner RF
- Colour touch display 5.7 inches
- Flush-/cavity wall mounting (housing for surface mounting available separately)
- Housing plastic, partly painted
- Approx. 164 × 121 × 29, concealed box approx. 152 × 92 × 62 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz

Weather station P04i-GPS:
- With brightness sensor, wind speed sensor, heated precipitation sensor, outdoor temperature sensor and GPS receiver (internat. time signal, position)
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm)

Nº 60145	**WS1 Color-0** white, without drive outputs	X1	**861.18 €**
Nº 60135	**WS1 Color-1** white, 1 drive output	X1	**976.30 €**
Nº 60136	**WS1 Color-2** white, 2 drive outputs	X1	**1,196.47 €**
Nº 60137	**WS1 Color-3** white, 3 drive outputs	X1	**1,416.64 €**
Nº 60138	**WS1 Color-4** white, 4 drive outputs	X1	**1,636.81 €**
Nº 60146	**WS1 Color-0** alu, without drive outputs	X1	**861.18 €**
Nº 60139	**WS1 Color-1** alu, 1 drive output	X1	**976.30 €**
Nº 60140	**WS1 Color-2** alu, 2 drive outputs	X1	**1,196.47 €**
Nº 60141	**WS1 Color-3** alu, 3 drive outputs	X1	**1,416.64 €**
Nº 60142	**WS1 Color-4** alu, 4 drive outputs	X1	**1,636.81 €**

Solexa® II Radio Control System

- System for control of shadings (awnings, blinds, shutters), windows, lights, heaters
- Modular structure for maximum flexibility
- Display and weather station as set, additional displays available
- 1 wired connection to the weather station, 16 radio outputs for Elsner RF radio actuators
- 32 radio inputs for Elsner RF operating devices / sensors, e.g. remote control, external temperature measurement
- Radio frequency 868.2 MHz, Elsner RF
- Wi-Fi integration (for app usage) via optional interface SOL

Touch display:
- Radio control panel with Touch Display
- Integrated room temperature sensor

- For combination with weather station
- Housing for surface mounting, approx. 107 × 112 × 14 (W × H × D, mm)
- Integrated battery, charging via USB-2.0-Micro-B-cable

Weather station:
- Collection of temperature, precipitation, wind speed, brightness (1 sun sensor)
- GPS receiver
- Connection for 230 V motor (integrated motor control unit)
- For combination with Solexa II displays (up to 4 pieces)
- For wall / pole mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm)
- Supply: 230 V AC

Nº 10150	**Solexa II-Set** (1 weather station and 1 display)	X1	**614.29 €**
Nº 10144	**Solexa II-Display**	X1	**315.13 €**

Wi-Fi Interface SOL

- Communication Interface for Solexa II weather station for wireless networks
- Required for use of Solexa II Mobile App on smartphone or tablet

- Solexa II Mobile App enables the manual operation of drives and devices in the Solexa II system and the display of measured values

Solexa II Mobile App for Android 4.0.3 and for Apple iOS 8.0 and up

Nº 10154	**Wi-Fi Interface SOL**	X1	**264.71 €**

Solexa 230 V Shading Control

- Complete system for control of an awning (resp. a group of awnings) or blind (resp. a group of blinds)
- Display and Weather station as a set

Display:
- Radio control panel with integrated temperature sensor
- Housing for surface mounting, approx. 103 × 98 × 28 (W × H × D, mm), housing plastic, available in 3 colours
- Supply: 2 × batteries / storage batteries AA

Weather station:
- Collection of temperature, precipitation, wind speed, brightness (1 sun sensor)
- Connection to 230 V-Motor (integrated motor control unit)
- For wall / pole mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm
- Supply: 230 V AC, 50 Hz

Nº 10110	**Solexa 230 V** white matt (similar to RAL 9016)	X1	**380.67 €**
Nº 10130	**Solexa 230 V** aluminium matt brush finished	X1	**411.68 €**
Nº 10131	**Solexa 230 V** pearl dark grey matt brush finished	X1	**411.68 €**

PG: price group. All prices in €, exclusive VAT, shipping and packing extra. Shipping per parcel service ex stock. Technical modifications and errors reserved.
Prices valid from 12.12.2023.

Arexa® 230 V Windows Control

- Complete system for control of a window (resp. a group of windows)
- Display and Weather station as a set

Display:
- Radio control panel with integrated temperature sensor
- Housing for surface mounting, approx. 103 × 98 × 28 (W × H × D, mm), housing plastic white
- Supply: 2 × batteries/storage batteries AA

Weather station:
- Collection of temperature, precipitation, wind speed, brightness (1 sun sensor)
- Connection to 230 V-Motor (integrated motor control unit)
- For wall / pole mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz

Nº 10115	**Arexa 230 V** white matt (similar to RAL 9016)	X1	**380.67 €**

Optional accessories:
Radio remote controls	p. 10
Connection cable set	p. 10

Connection Cable Set for Solexa® or Arexa®

- For simplified connection of the controls via a mains socket
- Mains cable with shock-proof plug and cable for drive connection with STAK 3 connector (approx. 6 m)

Nº 10113	**Cable Set** for Solexa/Arexa	X1	**85.88 €**

RADIO REMOTE CONTROLS, RADIO PUSH BUTTONS

Remo® pro Radio Remote Control

- Radio hand-held transmitter with 32 channels (number depends on the device that is controlled)
- For Controls WS1/1000 Color / Style / Connect, Solexa II, Solexa and Arexa and Touch One (Style) For direct operation of motor control units RF Relay, RF-L, RF MSG, RF-HE, RF-VM
- Functions: up / down / stop, on / off , dimming (depending on the device to control)
- Colour: Black glossy, housing plastic / real glass
- Approx. 64 × 122 × 14 (W × H × D, mm)
- Radio frequency: 868.2 MHz, Elsner RF
- Supply: Integrated lithium battery, charging via USB-2.0-Micro-B-charging set

reddot award 2017 winner

Nº 60522	**Remo pro**	X1	**298.32 €**

Optional accessories:
USB charging set, Nº 10155   p. 16

Remo® 8 Radio Remote Control

- Radio hand-held transmitter with 8 channels
- For Controls WS1/1000 Color / Style / Connect, Solexa II, Solexa and Arexa and Touch One (Style)
- For direct operation of motor control units RF Relay, RF-L, RF MSG, RF-HE, RF-VM
- Functions: up / down / stop, on / off , dimming (depending on the device to control)
- Available in 2 colours: "white" (white / grey), "Aluminium" (white aluminium / graphite). Housing plastic (partly painted)
- Hand-held transmitter approx. 41 × 140 × 21
- With magnetic wall-mounting, approx. 54 × 150 × 11 (W × H × D, mm)
- Radio frequency: 868.2 MHz, Elsner RF
- Power supply: 3 V battery type CR2032

Nº 60511	**Remo 8** white	X1	**172.27 €**
Nº 60512	**Remo 8** alu	X1	**172.27 €**
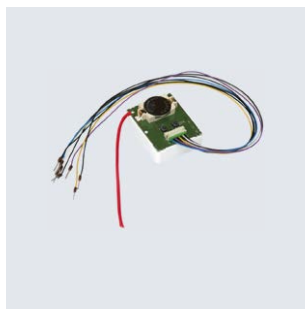
RF-B2-UP Push Button Interface

- Connections for 2 wall push buttons (up/down or on/off)
- For Controls WS1 / 1000 Color / Style / Connect, Solexa II, Solexa and Arexa and Touch One (Style)
- For direct operation of ventilation units WL400/800 and WL-Z and of motor control units RF Relay, RF-L, RF-MSG, RF-HE, RF-VM

- Approx. 38 × 47 × 29 (W × H × D, mm)
- Connection lead 300 mm, can be extended up to 10 m
- Radio communication, Radio frequency 868.2 MHz
- Power supply: 3 V battery type CR2032

Nº 60540	RF-B2-UP	X1	103.36 €

RADIO CONTROL UNITS, F-CON

Optional accessories for all radio control units:		STAK/STAS Connection Lines and Mains Line	p. 12
Radio Remote Controls	p. 10	Central Controls for Buildings, Conservatories	p. 6

Radio Heating Module RF-HE-ST F-Con

RF-HE-ST IP53

RF-HE-ST IP54

- For radiant heater with 2 heating levels (4-wire connection) 50%, 100%, maximum of 8 A per level
- Direct manual control with remote controls Remo 8/pro, push button interface RF-B2-UP
- Automatic control via WS1 / WS1000 Color / Style (version 1.818 and higher), WS1000 Connect, Solexa II
- Housing with STAS3 plug / STAK3 coupling

- Supply: 230 V AC, 50 Hz
- Radio frequency 868.2 MHz, Elsner RF

RF-HE-ST IP53:
- IP 53, approx. 147 × 36 × 29 (W × H × D, mm)

RF-HE-ST IP54:
- IP 54, approx. 147 × 49 × 32 (W × H × D, mm)

Nº 60546	RF-HE-ST IP53	X1	211.93 €
Nº 60569	RF-HE-ST IP54	X1	211.93 €

RF-MSG-ST Wireless Motor Control Units F-Con

RF-MSG-ST IP53

RF-MSG-ST IP54

- Actuator for 1 drive (230 V AC / max. 4 A)
- Direct manual control with remote controls Remo 8/pro, push button interface RF-B2-UP
- Automatic control via WS1 / WS1000 Color / Style (version 1.20 and higher), WS1000 Connect, Solexa II
- Housing with STAK 3 connector and STAS3 plug

- Supply: 230 V AC, 50 Hz
- Radio frequency 868.2 MHz, Elsner RF

RF-MSG-ST IP53:
- IP 53, approx. 147 × 36 × 29 (W × H × D, mm)

RF-MSG-ST IP54:
- IP 54, approx. 147 × 49 × 32 (W × H × D, mm)

Nº 60535	RF-MSG-ST IP53	X1	188.57 €
Nº 60543	RF-MSG-ST IP54	X1	188.57 €

RF-L LED-ST Radio Dimmer for LED [F-Con]

RF-L LED-ST IP53

RF-L LED-ST IP54

- Dimmer for 1 lamp (or a group of lamps) in conjuncti-on with dimmable power supply units
- Universal dimmer with automatic load recognition (phase angle control/phase sector control), loadable 20-300 W
- Direct manual control with remote controls Remo 8/ pro, push button interface RF-B2-UP
- Automatic control via WS1 / WS1000 Color / Style (version 1.8 and higher), WS1000 Connect, Solexa II

- Housing with STAK 3 connector and STAS3 plug
- Supply: 230 V AC
- Radio frequency 868.2 MHz, Elsner RF

RF-L LED-ST IP53:
- IP 53, approx. 147 × 36 × 29 (W × H × D, mm)

RF-L LED-ST IP54:
- IP 54, approx. 147 × 49 × 32 (W × H × D, mm)

N° 60545	**RF-L LED-ST IP53**	X1	**194.96 €**
N° 60557	**RF-L LED-ST IP54**	X1	**194.96 €**
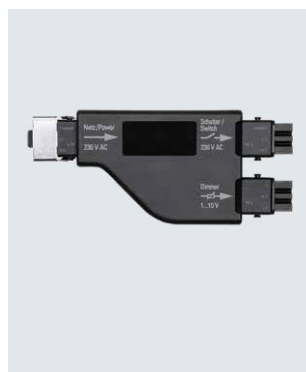
RF-L-DST 1-10 V Radio Dimmer for EVG and low voltage technology [F-Con]

- Dimmer for 1 lamp (or one group of lamps)
- For lamps with electronic enhaced voltage generator (EVG), LED converter or electronic power supply for low voltage systems
- 230 V switched output (16 A)
- 1-10 V control device
- Direct manual control with remote controls Remo 8/ pro, push button interface RF-B2-UP

- Automatic control via WS1 / WS1000 Color / Style (version 1.818 and higher), WS1000 Connect, Solexa II
- Housing with STAK 3 connector and STAS3 plug
- Approx. 149 × 72 × 29 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz
- Radio frequency 868.2 MHz, Elsner RF

N° 60561	**RF-L-DST 1-10 V**	X1	**184.03 €**
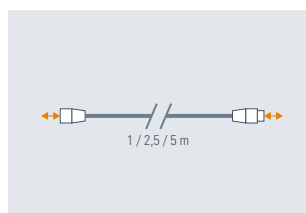
Connection Lines [F-Con]

- STAS3 on STAK3, with STASI security clip

N° 60565	**Connection line** 1 m	X1	**58.77 €**
N° 60566	**Connection line** 2.5 m	X1	**62.92 €**
N° 60567	**Connection line** 5 m	X1	**70.45 €**

1 / 2,5 / 5 m
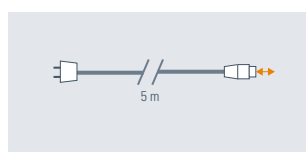
Mains Line [F-Con]

- Shockproof socket outlet with STAK3 output and STASI security clip

N° 60563	**Mains line** 5 m	X1	**62.92 €**

5 m

RF-L-UP 1-10 V Radio Dimmer for EVG and low voltage technology

- Dimmer for 1 lamp (or one group of lamps)
- For lamps with electronic enhaced voltage generator (EVG), LED converter or electronic power supply for low voltage systems
- 230 V switched output (6 A)
- 1-10 V control device (dimming 1-100%)
- Installation in a socket

- Approx. 50 × 50 × 54 (W × H × D, mm)
- Direct manual control with remote controls Remo 8/ pro, push button interface RF-B2-UP
- Automatic control via WS1 / WS1000 Color / Style (version 1.818 and higher), WS1000 Connect, Solexa II
- Supply: 230 V AC
- Radio frequency 868.2 MHz, Elsner RF

N° 60547	**RF-L-UP 1-10 V**	X1	**181.51 €**

SELECTION OF RADIO DIMMERS

Make sure that the lamps are dimmable and carefully select the right ballast. Then use the table to find the matching radio dimmer.

LAMP or ballast/transformer	CONTROL	SWITCHING CAPACITY	RADIO DIMMER	DESIGN	NUMBER	
DIM LIGHT						
Electronic transformer or LED ballast, dimmable from the 230 V mains side	Phase angle control/phase sector control	20 - 300 W (depending on the transformer also less than 20 W)	RF-L LED-ST	Adapter plug	60545 (IP53) 60557 (IP54) Page 12	147 × 36 × 29 (mm) 147 × 49 × 32 (mm)
All	Control input 1-10 V	16 A / 230 V AC	RF-L-DST 1-10 V	Adapter plug	60561 Page 12	149 × 72 × 29 (mm)
		6 A / 230 V AC	RF-L-UP 1-10 V	Build-in appliance	60547 Page 12	50 × 50 × 54 (mm)

RF-Router-UP

RF-Router-N

RF-Router (Wireless Router)

- For WS1/1000 Color/Style/Connect
- Increases radio signal range
- For up to 16 wireless device, radio frequency 868.2 MHz
- Supply: 230 V AC

RF-Router-UP:
- Installation in a socket

- Approx. 38 × 47 × 29 (W × H × D, mm)

RF-Router-N:
- „Adapter plug" for power outlet CEE 7/4
- Approx. 54 × 86 × 80 (W × H × D, mm)

N° 60531	**RF-Router-UP**	X1	**149.58 €**
N° 60529	**RF-Router-N**	X1	**163.87 €**

Additional Antenna

- For WS1/1000 Color/Style
- Improves reception / transmission intensity
- Connection at the display board

- Radio frequency 868.2 MHz, Elsner RF
- Total length of antenna with cable approx. 565 mm

N° 60131	**RF-Antenna**	X1	**59.24 €**

RADIO SENSORS

WGT Temperature Sensor

- Additional external temperature sensor for WS1 / 1000 Color / Style (version 1.51 and higher) WS1000 Connect, Solexa II
- Contact / feed probe for indoor/outdoor applications / IP 68), length approx. 20 mm, Ø approx. 6 mm, cable approx. 3 m

- Separate evaluation electronics for installation in a socket, approx. 38 × 47 × 24 (W × H × D, mm)
- Supply: 11…28 V DC
- Radio-communication, Frequency: 868.2 MHz, Elsner RF

N° 20552	**WGT**	X1	**144.54 €**
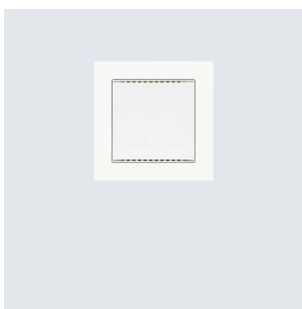
WGTH gl Indoor Sensor

- Additional sensors for WS1 / 1000 Color / Style / Connect, Solexa II
- For temperature and air humidity
- Plastic Housing, with glass surface
- For wall mounting in a socket, incl. frame (housing compatible with all 55 mm production frames)

- Supply: 11…28 V DC
- Radio communication, frequency 868.2 MHz, Elsner RF
- Included in delivery WS1000 Connect

N° 20557	**WGTH gl** pure white RAL 9010	X1	**172.27 €**

WGTH-UP Indoor Sensor

- Additional sensor for WS1 / 1000 Color / Style / Connect, Solexa II (included in delivery WS1000 Color/ Style)
- For temperature and humidity
- Plastic Housing, available in 2 colours: white glossy, aluminium matt

- For wall mounting in a socket, incl. frame (housing compatible with all 55 mm production frames)
- Supply: 11…28 V DC
- Radio communication, Radio frequency 868.2 MHz, Elsner RF

N° 20550	**WGTH-UP** white	X1	**144.54 €**
N° 20551	**WGTH-UP** aluminium coloured	X1	**159.66 €**

WEATHER SENSORS FOR CONTROL UNITS

P04i-GPS Weather Station

- With brightness sensor, wind speed sensor, heated precipitation sensor, outdoor temperature sensor and GPS receiver (internat. time signal, position)
- As spare part for weather stations of WS1 / 1000 Color / Style / Connect

- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm)
- Supply: 24 V DC

Optional accessories:
Mounting of Weather Stations   p. 62

| Nº 30136 | **P04i-GPS** | X1 | **536.81 €** |

P03i-GPS Wetterstation

- With brightness sensor, wind speed sensor, heated precipitation sensor, outdoor temperature sensor and GPS receiver (internat. time signal, position)
- As spare part for weather stations of WS1 / 1000 Color / Style

- For wall / pole mounting, housing for surface mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm)
- Supply: 24 V DC

Optional accessories:
Mounting of Weather Stations   p. 62

| Nº 30114 | **P03i-GPS** | X1 | **535.29 €** |

P03/3 Replacement Weather Station

- With brightness sensor, wind speed sensor, heated precipitation sensor, outdoor temperature sensor and GPS receiver (time)
- Replacement for P00 (3-wire), P01 and P02 for controls WS1, WS10, WS20, WS1000, FS100

- For wall / pole mounting, housing for surface mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm)
- Supply: 24 V DC

Optional accessories:
Mounting of Weather Stations   p. 62

| Nº 30107 | **P03/3** | X1 | **318.49 €** |

ACCESSORIES CONTROLS

Adapter Plugs for WS1000® Color/Style

- Allows for separate mounting of display unit and power electronics
- WS1000 Color: Surface-mount of the display is possible
- (KNX) WS1000 Style: mounting with concealed box

- Connection with 8-wire / 12-wire cable (12-wire when using the KNX interface), installed on-site, e. g. J-Y(St) 6 × 2 × 0.8); max. length 10 m

| Nº 60130 | **Adapter Plugs WS1000 Color** 2 pieces | X1 | **62.52 €** |

Surface-mounted Housing for WS1® Color & WS1® Style

- Housing for surface installation of WS1 Color or WS1 Style / KNX Touch One Style

- Also suitable for installation on top of the flush-mounted housing of WS20

Nº 60155	**Surface-mounted housing WS1 Color,** white	X1	**221.01 €**
Nº 60156	**Surface-mounted housing WS1 Color,** aluminium coloured	X1	**221.01 €**
Nº 60157	**Surface-mounted housing WS1 Style**	X1	**221.01 €**

Surface Mount Housing for Indoor Sensors

- Housing for surface installation of the sensors WGTH-UP and WGTH gl
- Fits all standard 55 mm inserts

| Nº 20555 | **Surface mount housing for 55 mm devices**, white | X1 | **27.73 €** |
| Nº 20556 | **Surface mount housing for 55 mm devices**, aluminium-coloured | X1 | **38.32 €** |

Charging Set

- USB 2.0 Micro-B charger
- For Solexa II-Display and Remo pro/KNX

| Nº 10155 | **USB Charger** (Article of trade) | X0 | **13.61 €** |

Adapter Plates for Conversion to Current WS1000® or WS1® Models

For WS1000 Color Nº 60129

For WS1000 Connect Nº 60107

For WS1000 Connect Nº 60109

For WS1 Color Nº 60147, 601471

Adapter plate WS1000 Color:
- For mounting WS1000 Color on top of the flush-mounted housing of WS1000 (version without touch display)

Adapter plates WS1000 Connect:
- For mounting WS1000 Connect on top of the flush-mounted housing of WS1000 (version without touch display) or WS1000 Color

- For conversion from WS1000 Style to WS1000 Connect no adapter plate is required, the flush-mounted housings are identical.

Adapter plate WS1 Color:
- For mounting WS1 Color on top of the flush-mounted housing of WS20

Nº 60129	**Adapter plate for conversion from WS1000 to WS1000 Color**	X1	**52.10 €**
Nº 60107	**Adapter plate for conversion from WS1000 to WS1000 Connect**	X1	**52.10 €**
Nº 60109	**Adapter plate for conversion from WS1000 Color to WS1000 Connect**	X1	**52.10 €**
Nº 60147	**Adapter plate for conversion from WS20 to WS1 Color** white	X1	**65.55 €**
Nº 601471	**Adapter plate for conversion from WS20 to WS1 Color** aluminium coloured	X1	**65.55 €**

SIMPLY AT HOME

IRRIGATION

NEW

Jardana® Irrigation System

- Irrigation system for 4 zones
- Time controlled watering or sprinkling
- Communication via WLAN (existing external or self-generated Jardana network)
- Setup and operation via app or browser
- Irrigation according to soil moisture with accessories sensor TMi: Rain-dependent control with a common sensor or control according to soil moisture with one sensor per zone

- KNX-capable, integration into KNX system also possible at a later date
- For wall mounting, surface mounting, IP 44
- Approx. 590 × 270 × 145 (W × H × D, mm)
- Supply with 24 V AC via supplied power supply unit for 230 V AC, 50 Hz

Optional Accessories:
TMi Ground Sensor   s.b.

| Nº 70309 | **Jardana** | X0 | **840.25 €** |

TMi Ground Sensor

- Sensor for irrigation system Jardana
- Measurement of the moisture content of the soil
- Measurement of the soil temperature
- For placement in the ground, IP68

- Approx. 205 × 32 × 12 (W × H × D, mm)
- Connection cable 10 m
- Only for Jardana, not suitable for other systems

| Nº 70313 | **TMi** | X0 | **125.97 €** |

AIR QUALITY

NEW

Air Vision CO_2 Indicator Light

- Air quality display with integrated CO_2 sensor
- Luminous color shows air quality: green = good | yellow = deteriorated | red = bad
- Warning tone possible for "Red" status

- Desktop device, IP20
- Approx. 105 × 47 (Ø × H, mm)
- Supply via USB-C, e.g. with the included 5 V power adapter

| Nº 30530 | **Air Vision NEW** | X0 | **109.20 €** |

CONVENTIONAL BUILDING, INSTALLATION TECHNOLOGY

SENSOR WITH SWITCHING OUTPUTS

Rain / Wind Sensor RW-PF

- Combined sensor for precipitation and wind speed
- Heated precipitation sensor (1.2 W)
- Potential-free change-over contacts for wind and rain alarm
- Setting of wind threshold value via DIP switches
- Rain alarm status LED inside the housing
- For wall / pole mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm)
- Supply: 12-40 V DC (12-28 V AC)

Optional Accessories:
Mounting accessories   p. 62

| Nº 30159 | **RW-PF** | X1 | **340.34 €** |

CONVERTER

GPS-DCF-Converter ±

- Receives the international time signal UTC via GPS and converts the information to a DCF77 protocol (DCF output +24 V / - / out)
- Connection to a DCF77 signal input (as an alternative to a DCF77 antenna)
- Setting the UTC offset via DIP switches in the device
- Setting MEZ (Central European Time) includes automatic summer / winter time switchover
- Housing for surface mounting, IP 54, approx. 80 × 80 × 55 (W × H × D, mm)
- Supply: 12-24 V DC

| Nº 30150 | **GPS-DCF-Converter UTC±** | X1 | **242.02 €** |

GROUP CONTROL RELAYS

Group Control Relays GS2-DST `F-Con`

- Isolating relays for parallel operation of two drives in a group
- 2 outputs 230 V AC up / down (STAK3 connector), total max. 4 A
- 230 V AC central input for group control up / down (STAS3)
- Cascadable
- Housing with STAS3 plug and STAK3 connectors
- Approx. 135 × 73 × 29 (B × H × T, mm)
- Supply: 230 V AC, 50 Hz

| Nº 60560 | **GS2-DST** F-Con | X1 | **126.89 €** |

Connection scheme   GS2-DST

POWER SUPPLY UNITS

PS2500   PS6250

24 V DC Power Supply Units

- For devices with 24 V AC supply voltage
- Input voltage: 230 V AC, 50 Hz
- Output voltage: 24 V DC

PS2500:

- Power 60 W, output current max. 2.5 A
- DIN-rail mounting 3 units, approx. 54 × 95 × 68.5 (W × H × D, mm)

PS6250:

- Power 150 W, output current max. 6.25 A
- DIN-rail mounting 4 units, approx. 72 × 93 × 68.5 (W × H × D, mm)

| Nº 20206 | **PS2500** | X1 | **134.45 €** |
| Nº 20204 | **PS6250** | X1 | **184.03 €** |

MODBUS
and
RS485

MODBUS SENSORS

eTR 101 Modbus Room temperature control unit

- Temperature control unit: Display of temperature, temperature changes via push buttons
- Integrated temperature sensor
- Modbus communication RTU
- Glass surface, available in 2 colours: signal white RAL 9003, jet black RAL 9005

- Dimensions approx. 81.5 × 81.5 (W × H, mm). Construction/Installation depth approx. 12 mm. Mounting with or without device socket
- Supply: 24 V DC ±10%

Optional Accessories:
Surface mount housing   p. 62

N° 30180	**eTR 101 Modbus** signal white RAL 9003	X1	**119.33 €**
N° 30181	**eTR 101 Modbus** jet black RAL 9005	X1	**119.33 €**

Indoor Sensors Sewi® Modbus

- Wall /Ceiling sensor (Surface mounting)
- Modbus communication RTU
- Surface mount housing white (skirting RAL 9003, cover RAL 9002), IP 30, diameter 105 mm, height 32 mm
- Supply: 24 V DC ±10%. A suitable power supply unit can be obtained from Elsner Elektronik.

Sewi AQS/TH Modbus:
- Measurement of temperature, humidity and CO_2, calculation of dew point temperature

Sewi TH Modbus:
- Measurement of temperature and humidity, calculation of dew point temperature

N° 30174	**Sewi AQS/TH Modbus**	X1	**311.76 €**
N° 30175	**Sewi TH Modbus**	X1	**215.13 €**

P03-Modbus Weather Stations

- 3 brightness sensors (east, south, west), electronic wind speed sensor, heated precipitation sensor and outdoor temperature sensor
- Modbus communication RTU
- For wall / pole mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm)
- Supply: 24 V DC ±10%. A suitable power supply unit can be obtained from Elsner Elektronik.

P03/3-Modbus:
- Without reception of a time signal

P03/3-Modbus-GPS:
- With GPS receiver
- Output: UTC (Universal Time Coordinated), position
- Calculation of the position of the sun (azimuth / elevation)

Optional Accessories:
Mounting accessories   p. 62

N° 30146	**P03/3-Modbus**	X1	**448.74 €**
N° 30147	**P03/3-Modbus-GPS**	X1	**579.83 €**

Modbus surface mounted sensor for outdoor use

- Sensor for indoor / outdoor use
- Measurement of temperature and humidity, calculation of dew point temperature
- Modbus communication RTU

- Surface mounting, IP65, approx. 65 × 93 × 38 (W × H × D, mm)
- Supply: 24 V DC ±10%. A suitable power supply unit can be obtained from Elsner Elektronik.

N° 30170	**TH-AP Modbus**	X1	**226.89 €**

RS485 SENSORS

Suntracer RS485 pro Weather Station

- Wind speed sensor, wind direction sensor
- Heated precipitation sensor
- Brightness sensors for east, south and west sun, daylight (sky sensor), twilight detection
- Temperature sensor, humidity sensor (relative, absolute), air pressure sensor
- GPS receiver. Output of local time and position coordinates, calculation of the position of the sun

- Calculation of dew point
- RS485 interface for data output
- For pole mounting, IP 44, approx. 255 × 140 × 274 (W × H × D, mm, without mounting)
- Supply: 24 V DC ±10%
- Delivery with 24 V DC power supply unit PS2500 (N° 20206), mounting pole 50 cm with mounting accessories

N° 30167	**Suntracer RS485 pro**	X1	**1,789.92 €**
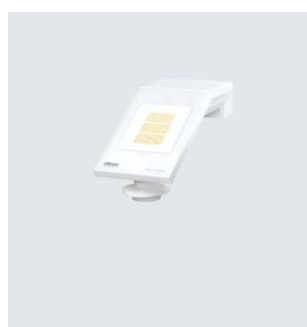
P04-RS485 Weather Stations

- 3 brightness sensors (east, south, west), electronic wind speed sensor, heated precipitation sensor and outdoor temperature sensor
- RS485 interface for data output
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm)
- Supply: 24 V DC ±10%
  P04/3-RS485-GPS:
- With GPS receiver, Output of UTC (the Coordinated

Universal Time)
- Calculation of the position of the sun (azimuth/elevation)
  P04/3-RS485-CET:
- With GPS receiver, Output CET (the central european time) with summer / winter time switchover
- Calculation of the position of the sun (azimuth/elevation)
  P04/3-RS485 basic:
- No time function

Optional Accessories:

Mounting accessories	p. 62
24 V DC Power Supply Units	p. 21

N° 30152	**P04/3-RS485-GPS**	X1	**579.83 €**
N° 30153	**P04/3-RS485-CET**	X1	**579.83 €**
N° 30154	**P04/3-RS485 basic**	X1	**328.57 €**

P03-RS485 Weather Stations

P03/3-RS485-GPS
P03/3-RS485-CET

P03/3-RS485 basic

- 3 brightness sensors (east, south, west), electronic wind speed sensor, heated precipitation sensor and outdoor temperature sensor
- RS485 interface for data output
- 1 s data sending cycle
- For wall / pole mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm)
- Supply: 24 V DC ±10%
  P03/3-RS485-GPS:
- With GPS receiver, Output of UTC (the Coordinated

Universal Time)
- Calculation of the position of the sun (azimuth/elevation)
  P03/3-RS485-CET:
- With GPS receiver, Output CET (the central european time) with summer / winter time switchover
- Calculation of the position of the sun (azimuth/elevation)
  P03/3-RS485 basic:
- No time function

Optional Accessories:

Mounting accessories	p. 62
24 V DC Power Supply Units	p. 21

N° 30145	**P03/3-RS485-GPS**	X1	**593.28 €**
N° 30151	**P03/3-RS485-CET**	X1	**593.28 €**
N° 30140	**P03/3-RS485 basic**	X1	**342.86 €**

GLASS BUTTON
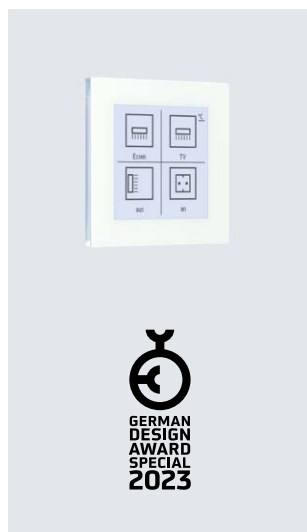
Nunio® KNX M-T Universal Glass Touch Button

- Display with one, two, three or four touch buttons (selectable). Icon and text selectable for each button. Can be configured as a switch, selector switch, drive (blind, shutter, awning or window with short/long distinction), window, dimmer, 8- or 16-bit encoder or for scene recall/saving.
- Additional surface function when touching with the palm of the hand or wiping
- Temperature PI controller for heating/cooling and fan coil control
- Display for temperature control with keys +/- (warmer, cooler), setpoint display, mode selection and fan level setting

- Temperature sensor with calculation of mixed values (own/external), output of minimum/maximum values
- 2 temperature limit values
- Logic gates (2 AND, 2 OR)
- Configuration with ETS
- Glass surface, pure white RAL 9010
- Display and frame illuminated, basic and operating brightness adjustable
- Dimensions approx. 85 × 85 (W × H, mm). Mounting depth approx. 12.5 mm. Installation in device socket with 2 spring clips in support ring
- Supply: bus voltage
- Delivery with installation instructions[2], support ring

| Nº 71280 | **Nunio KNX M-T** | X2 | **184.03 €** |

SERIES KNX eTR

KNX eTR 101 Temperature Controller

- Temperature PI controller for heating/cooling
- Display of temperature, adjustment of target temperature via touch buttons
- Temperature sensor with calculation of mixed values
- 2 temperature limit values
- Configuration with ETS
- Glass surface signal white RAL 9003 or jet black RAL 9005

- Dimensions approx. 81.5 × 81.5 (W × H, mm). Mounting depth approx. 12 mm. Mounting with or without device socket
- Supply: bus voltage
- With installation instructions[2]

KNX eTR 101-BA2 additionally:
- 2 inputs (binary / temperaturs sensor T-NTC)

Optional Accessories:

| Surface mount housing | p. 62 |
| T-NTC, Nº 30516 | p. 62 |

Nº 70650	**KNX eTR 101** signal white RAL 9003	X2	**133.61 €**
Nº 70651	**KNX eTR 101** jet black RAL 9005	X2	**133.61 €**
Nº 71310	**KNX eTR 101-BA2** signal white RAL 9003	X2	**138.32 €**
Nº 71312	**KNX eTR 101-BA2** jet black RAL 9005	X2	**138.32 €**

KNX eTR 102 FC Controller for Fan Coil Air-Conditioning   available from quarter IV/23

- Temperature controller for fan coil air-conditioning systems with PI control
- Display of temperature, adjustment of target temperature via touch buttons
- Temperature sensor with calculation of mixed values
- 2 temperature limit values
- Display of 3 fan levels via symbols and LEDs
- Touch buttons for automatic mode and for switching off the air conditioning, with LEDs

- Configuration with ETS
- Glass surface signal white RAL 9003 or jet black RAL 9005
- Dimensions approx. 81.5 × 81.5 (W × H, mm). Mounting depth approx. 12 mm. Mounting with or without device socket
- Supply: bus voltage
- With installation instructions[2]

Optional Accessories:

| Surface mount housing | p. 62 |

| Nº 71320 | **KNX eTR 102 FC** signal white RAL 9003 **NEW** | X2 | **139.16 €** |
| Nº 71322 | **KNX eTR 102 FC** jet black RAL 9005 **NEW** | X2 | **139.16 €** |

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[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

KNX eTR 201
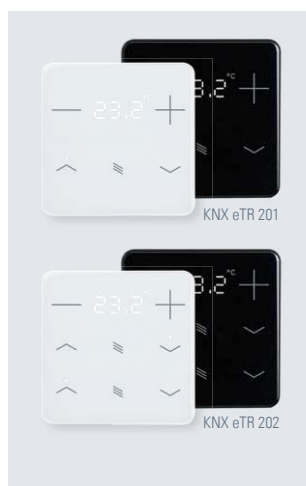
KNX eTR 202

Optional Accessories:
Surface mount housing   p. 62

KNX eTR 201/202 Sunblind Temperature Controller and Sunblind Button

- Temperature PI controller for heating/cooling
- Display of temperature, adjustment of target temperature via touch buttons
- Temperature sensor with calculation of mixed values
- 2 temperature limit values
- Area function when touching two or more buttons simultaneously
- LEDs for optical feedback
- Logic gates (2 AND, 2 OR)
- Configuration with ETS
- Glass surface signal white RAL 9003 or jet black RAL 9005

- Dimensions approx. 81.5 × 81.5 (W × H, mm). Mounting depth approx. 12 mm. Mounting with or without device socket
- Supply: bus voltage
- With installation instructions[2]

KNX eTR 201 Sunblind:
- 2 touch surfaces for 1 drive (up/down, icon "Shading")

KNX eTR 202 Sunblind:
- 2×2 touch surfaces for 2 drives (each up/down with icon "Shading")

Nº 71090	**KNX eTR 201** Sunblind, signal white RAL 9003	X2	**150.42 €**
Nº 71092	**KNX eTR 201** Sunblind, jet black RAL 9005	X2	**150.42 €**
Nº 71100	**KNX eTR 202** Sunblind, signal white RAL 9003	X2	**155.46 €**
Nº 71102	**KNX eTR 202** Sunblind, jet black RAL 9005	X2	**155.46 €**

KNX eTR 205
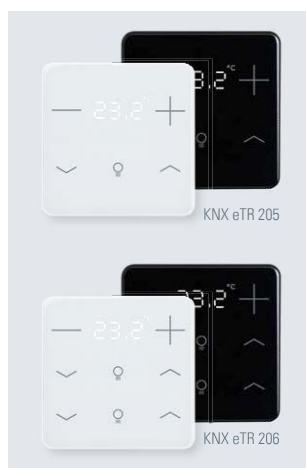
KNX eTR 206

Optional Accessories:
Surface mount housing   p. 62

KNX eTR 205/206 Light Temperature Controller and Light Button

- Temperature PI controller for heating/cooling
- Display of temperature, adjustment of target temperature via touch buttons
- Integrated temperature sensor with calculation of mixed values (own/external value)
- 2 temperature limit values
- Area function when touching two or more buttons simultaneously
- LEDs for optical feedback
- Logic gates (2 AND, 2 OR)
- Configuration with ETS

- Glass surface signal white RAL 9003 or jet black RAL 9005
- Dimensions approx. 81.5 × 81.5 (W × H, mm). Mounting depth approx. 12 mm. Mounting with or without device socket
- Supply: bus voltage
- With installation instructions[2]

KNX eTR 205 Light:
- 2 touch surfaces for 1 light (down/up with icon "Lamp")

KNX eTR 206 Light:
- 2×2 touch surfaces for 2 lights (each down/up with icon "Lamp")

Nº 71160	**KNX eTR 205** Light, signal white RAL 9003	X2	**150.42 €**
Nº 71162	**KNX eTR 205** Light, jet black RAL 9005	X2	**150.42 €**
Nº 71170	**KNX eTR 206** Light, signal white RAL 9003	X2	**155.46 €**
Nº 71172	**KNX eTR 206** Light, jet black RAL 9005	X2	**155.46 €**

NEW
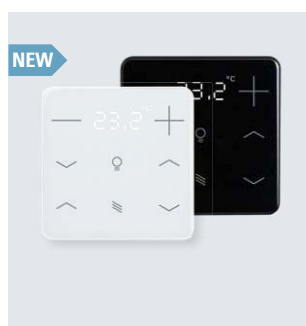
Optional Accessories:
Surface mount housing   p. 62

KNX eTR 208 Light/Sunblind Temperature Controller and Buton for Light & Sunblind

- Temperature PI controller for heating/cooling
- Display of temperature, adjustment of target temperature via touch buttons
- Integrated temperature sensor with calculation of mixed values (own/external value)
- 2 temperature limit values
- 2 touch surfaces for 1 light (down/up with icon "Lamp")
- 2 touch surfaces for 1 drive (up/down, icon "Shading")
- Area function when touching two or more buttons simultaneously

- LEDs for optical feedback
- Logic gates (2 AND, 2 OR)
- Configuration with ETS
- Glass surface signal white RAL 9003 or jet black RAL 9005
- Dimensions approx. 81.5 × 81.5 (W × H, mm). Mounting depth approx. 12 mm. Mounting with or without device socket
- Supply: bus voltage
- With installation instructions[2]

| Nº 71190 | **KNX eTR 208** Light/Sunblind, signal white RAL 9003 | X2 | **155.46 €** |
| Nº 71192 | **KNX eTR 208** Light/Sunblind, jet black RAL 9005 **NEW** | X2 | **155.46 €** |

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

PG: price group. All prices in €, exclusive VAT, shipping and packing extra. Shipping per parcel service ex stock. Technical modifications and errors reserved.
Prices valid from 12.12.2023.
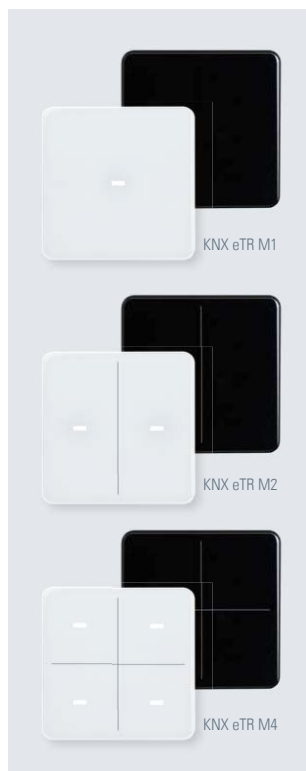
KNX eTR M Push Buttons

- KNX push button with touch surface
- LED for optical feedback in each button field
- Button function adjustable via ETS
- Integrated temperature sensor with calculation of mixed values (own/external value)
- Logic gates (2 AND, 2 OR)
- Configuration with ETS
- Glass surface, available in 2 colours: signal white RAL 9003, jet black RAL 9005
- Dimensions approx. 81.5 × 81.5 (W × H, mm). Mounting depth approx. 12 mm. Mounting with or without device socket
- Supply: bus voltage
- With installation instructions[2]

KNX eTR M1:
- Single push button

- Configurable as switch, selector switch, dimmer, blind (position and slat up/stop OR down/stop), roller shutter (up/down/stop), awning (in/out/stop), window (close/open/stop), as 8- or 16-bit encoder or for scene recall/saving

KNX eTR M2:
- Double push button
- Configurable as switch, selector switch, dimmer, for operating drives, as 8- or 16-bit value encoder or for scene recall/saving
- Area function when touching both touch buttons

KNX eTR M4:
- Four-gang push button
- Configurable as switch, selector switch, dimmer, for operating drives, as 8- or 16-bit value encoder or for scene recall/saving
- Area function when touching two or more touch buttons simultaneously

KNX eTR M1

KNX eTR M2

KNX eTR M4

Optional Accessories:
Surface mount housing   p. 62

Nº 71110	**KNX eTR M1** signal white RAL 9003	X2	**126.89 €**
Nº 71112	**KNX eTR M1** jet black RAL 9005	X2	**126.89 €**
Nº 71120	**KNX eTR M2** signal white RAL 9003	X2	**131.93 €**
Nº 71122	**KNX eTR M2** jet black RAL 9005	X2	**131.93 €**
Nº 71130	**KNX eTR M4** signal white RAL 9003	X2	**139.16 €**
Nº 71132	**KNX eTR M4** jet black RAL 9005	X2	**139.16 €**

KNX eTR MultiTouch Light/Sunblind

- Temperature controller with PI controller for heating/cooling
- Integrated temperature sensor with calculation of mixed values (own/external value)
- Display of temperature, temperature change via touch buttons
- Configuration with ETS

- Glass surface, available in 2 colours: signal white RAL 9003, jet black RAL 9005
- Dimensions approx. 81.5 × 81.5 (W × H, mm). Mounting depth approx. 12 mm. Mounting with or without device socket
- Supply: bus voltage
- With installation instructions[2]

Optional Accessories:
Surface mount housing   p. 62

| Nº 71060 | **KNX eTR MultiTouch** Light/Sunblind, signal white RAL 9003 | X2 | **139.16 €** |
| Nº 71062 | **KNX eTR MultiTouch** Light/Sunblind, jet black RAL 9005 | X2 | **139.16 €** |

KNX eTR gl Temperature Sensor with Automatic Control

- Temperature sensor with calculation of mixed values and PI controller for heating/cooling
- 2 temperature limit values
- Configuration with ETS
- Glass surface, available in 2 colours: signal white RAL 9003, jet black RAL 9005

- Dimensions approx. 81.5 × 81.5 (W × H, mm). Mounting depth approx. 12 mm. Mounting with or without device socket
- Supply: bus voltage
- With installation instructions[2]

Optional Accessories:
Surface mount housing   p. 62

| Nº 71300 | **KNX eTR gl**, signal white RAL 9003 | X2 | **121.01 €** |
| Nº 71302 | **KNX eTR gl**, jet black RAL 9005 | X2 | **121.01 €** |

[2] *Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.*

KNX ROOM CONTROLLER & SENSORS – FOR FRAMES 55 MM

Cala Touch
with black
glass / body

Cala Touch
with white
glass / body

Illustrations show frames
(not included in delivery)

Optional Accessory:
T-NTC, N° 30516   p. 62

Room Controller Cala® Touch KNX

- Touch user interface for operation of light, shading, windows, heating, air conditioning and scenes (adjustable). Display of values and texts
- Up to 3 user interfaces for light (switching or dimming with display of the current value); Setting pages for RGB colour and for colour temperature
- Integrated biodynamic lighting control (human centric lighting)
- Up to 3 user interfaces for shading or window with display of current travel / slat position
- User interface for heating and climate, integrated temperature sensor
- User interfaces for up to 4 scenes
- Measurement display
- Display page for up to 4 bus values
- Up to 2 info pages, each for displaying 2 text objects
- Weekly timer with 8 time periods
- Screen saver (time, indoor / outdoor temperature or off)
- Calculation of mixed values (own / external value), threshold values
- Logic gates (8 AND / 8 OR), 8 multifunctional modules (for calculation, conditions, transition), 4 actuating variable comparator, summer compensation for cooling
- Configuration with ETS

- 4 inputs (binary inputs or for temperature sensor T-NTC)
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included
- Supply: bus voltage
- Delivery with installation instructions[2], support ring and connecting cable for inputs

Cala KNX T:
- Temperature sensor
- PI controller for heating / cooling

Cala KNX TH:
- Temperature sensor and humidity sensor with calculation of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating / cooling and ventilation (dehumidification / humidification)

Cala KNX AQS/TH:
- Sensor for CO_2, temperature and humidity with calculation of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating / cooling and ventilation (CO_2, dehumidification / humidification)

N° 70800	**Cala Touch KNX T** 3.x white	X2	**296.64 €**
N° 70802	**Cala Touch KNX T** 3.x black	X2	**296.64 €**
N° 70810	**Cala Touch KNX TH** 3.x white	X2	**321.01 €**
N° 70812	**Cala Touch KNX TH** 3.x black	X2	**321.01 €**
N° 70820	**Cala Touch KNX AQS/TH** 3.x white	X2	**462.10 €**
N° 70822	**Cala Touch KNX AQS/TH** 3.x black	X2	**462.10 €**

KNX AQS/TH-UP gl

KNX AQS/TH-UP Touch

Illustrations show frames
(not included in delivery)

KNX AQS/TH-UP Touch und KNX AQS/TH-UP gl Combined Sensors

- Indoor sensor for CO_2 concentration, temperature and air humidity (relative, absolute)
- Calculation of dew point, monitoring of the comfort field (DIN 1946)
- 9 threshold values (adjustable per parameter or object), mixed values (own / external value)
- Logic gates (4 AND, 4 OR), actuating variable comparators
- PI controllers for heating / cooling (temperature) and ventilation (CO_2, dehumidification / humidification)
- Configuration with ETS
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005

- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included
- Supply: bus voltage
- With installation instructions[2] and support ring

KNX AQS/TH-UP gl:
- Without display, without push buttons

KNX AQS/TH-UP Touch:
- Value and scale display (setpoint temperature)
- Touch buttons: Can be used as bus buttons, for changing the setpoint temperature or for mode switching

N° 70626	**KNX AQS/TH-UP gl** pure white RAL 9010	X2	**340.34 €**
N° 70625	**KNX AQS/TH-UP gl** jet black RAL 9005	X2	**340.34 €**
N° 70620	**KNX AQS/TH-UP Touch** pure white RAL 9010	X2	**368.91 €**
N° 70619	**KNX AQS/TH-UP Touch** jet black RAL 9005	X2	**368.91 €**

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.
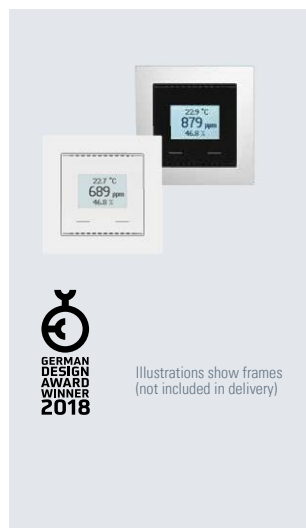
KNX VOC/TH-UP Touch Combined Sensor

- Indoor sensor for mixed gas concentration (volatile organic compounds), temperature and humidity (relative, absolute)
- Calculation of dew point, monitoring of the comfort field (DIN 1946)
- 9 threshold values (adjustable per parameter or object), calculation of mixed values (own/external value)
- Logic gates (4 AND, 4 OR), actuating variable comparators
- PI controllers for heating / cooling (temperature) and ventilation (mixed gas, dehumidification / humidification)

- Configuration with ETS
- Display: Value and scale display (target temperature)
- Touch buttons: Can be used as bus push button, to change the setpoint temperature or to switch modes
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included
- Supply: bus voltage
- With installation instructions[2] and support ring

Illustrations show frames (not included in delivery)

Nº 70970	**KNX VOC/TH-UP Touch** pure white RAL 9010	X2	**368.91 €**
Nº 70973	**KNX VOC/TH-UP Touch** jet black RAL 9005	X2	**368.91 €**
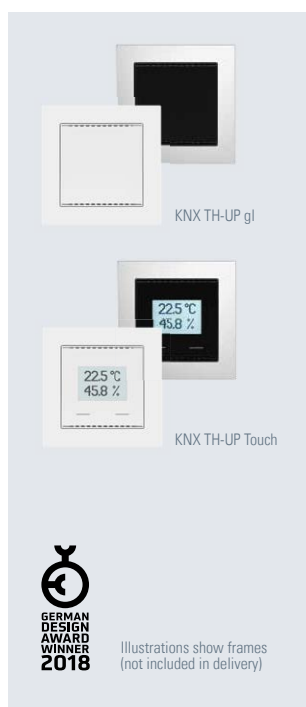
KNX TH-UP Touch and KNX TH-UP gl Temperature/Humidity Sensors

- Indoor sensor for temperature and humidity (relative, absolute)
- Calculation of dew point, monitoring of the comfort field (DIN 1946)
- 7 threshold values (adjustable per parameter or object), calculation of mixed values (own / external value)
- Logic gates (4 AND, 4 OR), actuating variable comparators
- PI controllers for heating / cooling (temperature) and ventilation (dehumidification / humidification)
- Configuration with ETS
- Supply: bus voltage
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005

- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included
- With installation instructions[2] and support ring

KNX TH-UP gl:
- Without display, without push buttons

KNX TH-UP Touch:
- Value and scale display (setpoint temperature)
- Touch buttons: Can be used as bus push buttons, for changing the setpoint temperature or for mode switching

KNX TH-UP gl

KNX TH-UP Touch

Illustrations show frames (not included in delivery)

Nº 70623	**KNX TH-UP gl** pure white RAL 9010	X2	**211.93 €**
Nº 70622	**KNX TH-UP gl** jet black RAL 9005	X2	**211.93 €**
Nº 70617	**KNX TH-UP Touch** pure white RAL 9010	X2	**243.70 €**
Nº 70616	**KNX TH-UP Touch** jet black RAL 9005	X2	**243.70 €**

KNX T-L-Pr-UP Touch Combined Presence Sensor

- Presence detector (PIR/passive infrared, range 5 m) as master or slave
- Brightness sensor with threshold values
- Indoor temperature sensor with calculation of mixed values
- Logic gates (2 AND, 2 OR)
- Configuration with ETS
- Supply: bus voltage
- 2 touch buttons (bus push button)

- 2 status LEDs (free assignable)
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included
- With installation instructions[2] and support ring

Illustrations show frames (not included in delivery)

Nº 70850	**KNX T-L-Pr-UP Touch** pure white RAL 9010	X2	**248.74 €**
Nº 70852	**KNX T-L-Pr-UP Touch** jet black RAL 9005	X2	**248.74 €**

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

KNX T-UP gl

KNX T-UP Touch

GERMAN DESIGN AWARD WINNER 2018 Illustrations show frames (not included in delivery)

KNX T-UP Touch and KNX T-UP gl Temperature Sensors

- Indoor sensor for temperature
- Threshold values, calculation of mixed values
- Logic gates (4 AND, 4 OR), actuating variable comparators
- PI controllers for heating / cooling
- Configuration with ETS
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included

- Supply: bus voltage
- With installation instructions[2] and support ring

KNX T-UP gl:
- Without display, without push buttons

KNX T-UP Touch:
- Display for measured values, bus data (e.g. date, time), mode, bargraph for target value change
- Touch buttons: Can be used as bus push buttons, for changing the setpoint temperature or for mode

Nº 70632	**KNX T-UP gl** pure white RAL 9010	X2	**201.68 €**
Nº 70631	**KNX T-UP gl** jet black RAL 9005	X2	**201.68 €**
Nº 70629	**KNX T-UP Touch** pure white RAL 9010	X2	**234.45 €**
Nº 70628	**KNX T-UP Touch** jet black RAL 9005	X2	**234.45 €**

Cala KNX T 101

Cala KNX T 201 Sunblind

Cala KNX T 202 Sunblind

Illustrations show frames (not included in delivery)

Cala® KNX T 101/201/202 Temperature controller

- Temperature controller with PI controller for heating/cooling
- Integrated temperature sensor with calculation of mixed values (own/external value)
- 2 temperature limit values
- Configuration with ETS
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included
- Supply: bus voltage
- With installation instructions[2] and support ring

Cala KNX T 101:
- Display of temperature, adjustment of target temperature via push buttons

Cala KNX T 201 Sunblind:
- Display of temperature, adjustment of target temperature via push buttons
- 2 touch surfaces for 1 drive (up/down with icon "Shading")
- Additional area function when touching two or more buttons simultaneously
- LEDs for optical feedback
- Logic gates (2 AND, 2 OR)

Cala KNX T 202 Sunblind:
- Display of temperature, adjustment of target temperature via push buttons
- 2×2 touch surfaces for 2 drives (each up/down with icon "Shading")
- Additional area function when touching two or more buttons simultaneously
- LEDs for optical feedback
- Logic gates (2 AND, 2 OR)

Nº 70980	**Cala KNX T 101** pure white RAL 9010	X2	**169.75 €**
Nº 70982	**Cala KNX T 101** jet black RAL 9005	X2	**169.75 €**
Nº 70990	**Cala KNX T 201 Sunblind** pure white RAL 9010	X2	**187.06 €**
Nº 70992	**Cala KNX T 201 Sunblind** jet black RAL 9005	X2	**187.06 €**
Nº 71050	**Cala KNX T 202 Sunblind** pure white RAL 9010	X2	**211.68 €**
Nº 71052	**Cala KNX T 202 Sunblind** jet black RAL 9005	X2	**211.68 €**

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

PG: price group. All prices in €, exclusive VAT, shipping and packing extra. Shipping per parcel service ex stock. Technical modifications and errors reserved.
Prices valid from 12.12.2023.

KNX T-UP Temperature Sensors

- Thermometer for indoor applications
- 4 threshold values, calculation of mixed values
- Logic gates (8 AND, 8 OR)
- PI controller for heating / cooling
- Configuration with ETS
- Colour similar to traffic white RAL 9016, glossy
- Can be combined with switch systems with frame size 55 mm. For installation in a socket. Frame not included.

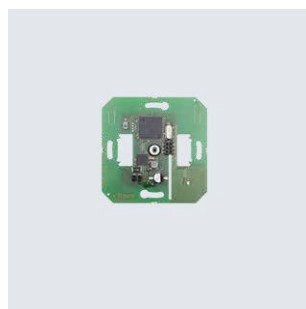- Supply: bus voltage
- Delivery with installation instructions[2]

KNX T-UP basic:
- Without display, without push buttons

KNX T-B-UP:
- With display and push buttons. Change of target temperature with bargraph in the display

KNX T-UP basic

KNX T-B-UP

| Nº 70350 | **KNX T-UP basic** white | X2 | **168.07 €** |
| Nº 70358 | **KNX T-B-UP** white | X2 | **208.40 €** |

KNX T-Objekt-UP Temperature Sensor

- Object controller with indoor temperature sensor
- 3 switching outputs with adjustable limit values, calculation of mixed values (own / external value)
- Logic gates (4 AND, 4 OR)
- PI controller for heating / cooling
- Configuration with ETS

- For installation in a socket, for a blind cover of popular switch series (delivery without cover)
- Dimensions mounting plate / sensor board approx. 70 × 70 (W × H, mm)
- Supply: bus voltage
- Delivery with installation instructions[2]

| Nº 70179 | **KNX T-Objekt-UP 3.2** | X2 | **115.97 €** |

Cala® KNX MultiTouch T Push Button

- KNX push button with touch surface
- 3 operating zones arranged one above the other, printed with function icons for light (switch / dim), drive (shading), temperature. 3 touch surfaces per zone, freely configurable
- LEDs for optical feedback
- Integrated temperature sensor with calculation of mixed values (own / external value)
- PI controller for heating / cooling
- Logic gates (4 AND, 4 OR)
- Configuration with ETS
- Supply: bus voltage
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included
- With installation instructions[2] and support ring

Cala KNX MultiTouch T Light:
- Operating zone for light (switching, brighter, darker)
- Free zone with 3 touch surfaces for individual assignment
- Operating zone for temperature control (warmer, cooler, changeover heating/cooling)

Cala KNX MultiTouch T Light/Sunblind:
- Operating zone for light (switching, brighter, darker)
- Operating zone for blinds/sunshades (up/down with short/long distinction, movement position)
- Operating zone for temperature control (warmer, cooler, changeover heating/cooling)

Cala KNX MultiTouch T Light/Scenes:
- Operating zone for light (switching, brighter, darker)
- Operating zone for temperature control (warmer, cooler, changeover heating/cooling)
- Operating zone for scene call and saving

Cala KNX MultiTouch T Light

Cala KNX MultiTouch T Light/Sunblind

Cala KNX MultiTouch T Light/Scenes

Illustrations show frames
(not included in delivery)

Nº 70950	**Cala KNX MultiTouch T** Light, pure white RAL 9010	X2	**241.18 €**
Nº 70952	**Cala KNX MultiTouch T** Light, jet black RAL 9005	X2	**241.18 €**
Nº 70890	**Cala KNX MultiTouch T** Light/Sunblind, pure white RAL 9010	X2	**241.18 €**
Nº 70892	**Cala KNX MultiTouch T** Light/Sunblind, jet black RAL 9005	X2	**241.18 €**
Nº 70960	**Cala KNX MultiTouch T** Light/Scenes, pure white RAL 9010	X2	**241.18 €**
Nº 70962	**Cala KNX MultiTouch T** Light/Scenes, jet black RAL 9005	X2	**241.18 €**

Cala KNX M1-T

Cala KNX M2-T

Cala KNX M4-T

Illustrations show frames
(not included in delivery)
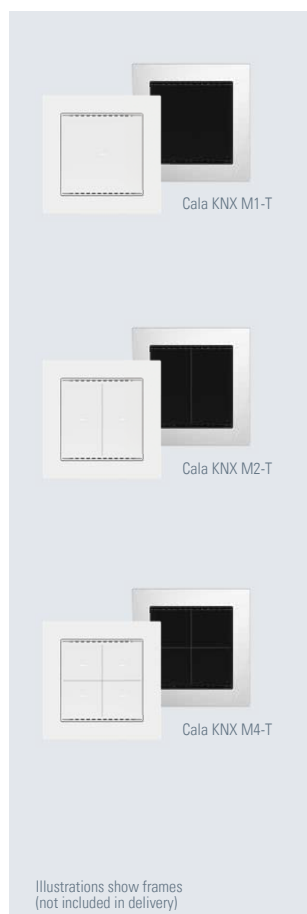
Cala® KNX M-T Push Buttons

- KNX push button with touch surface
- LED for optical feedback in each button
- Function of button adjustable via ETS
- Integrated temperature sensor with calculation of mixed values (own / external value)
- Logic gates (2 AND, 2 OR)
- Configuration with ETS
- Supply: bus voltage
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included
- With installation instructions[2] and support ring

Cala KNX M1-T:
- Single push button

- Configurable as switch, selector switch, dimmer, blind (position and slat up/stop OR down/stop), roller shutter (up/down/stop), awning (in/out/stop), window (close/open/stop), as 8- or 16-bit encoder or for scene recall/saving

Cala KNX M2-T:
- Double push button
- Configurable as switch, selector switch, dimmer, for operating drives, as 8- or 16-bit value encoder or for scene recall/saving
- Additional area function when touching both touch buttons

Cala KNX M4-T:
- Four-gang push button
- Configurable as switch, selector switch, dimmer, for operating drives, as 8- or 16-bit value encoder or for scene recall/saving
- Additional area function when touching three or more buttons simultaneously

Nº 70860	**Cala KNX M1-T** pure white RAL 9010	X2	**163.36 €**
Nº 70862	**Cala KNX M1-T** jet black RAL 9005	X2	**163.36 €**
Nº 70870	**Cala KNX M2-T** pure white RAL 9010	X2	**175.63 €**
Nº 70872	**Cala KNX M2-T** jet black RAL 9005	X2	**175.63 €**
Nº 70880	**Cala KNX M4-T** pure white RAL 9010	X2	**187.06 €**
Nº 70882	**Cala KNX M4-T** jet black RAL 9005	X2	**187.06 €**

NEW

Illustrations show frames
(not included in delivery)
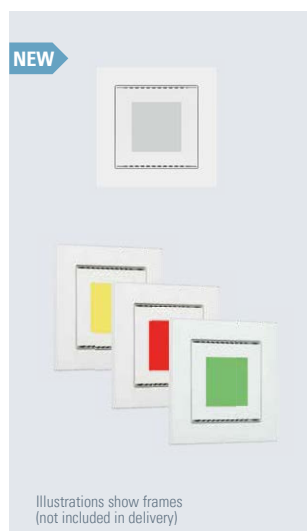
Cala® KNX IL Indicator Light

- Light signal with indicator function
- LED color field can glow/flash green, yellow or red or be switched off. Control via communication object (3× one-bit, scene, percent with threshold, two-byte floating point with threshold)
- Logic gates (4 AND, 4 OR), actuating variable comparator
- Configuration with ETS
- Supply: bus voltage
- Can be combined with switch systems with frame size 55 mm. Wall mounting in socket with 2 fastening clamps in support ring. Frame not included

- With installation instructions[2] and support ring
- Glass surface, colour: pure white RAL 9010
- With installation instructions[2] and support ring

Cala KNX IL CO2:
- Sensor for CO_2 concentration, value can be used for indicator light function
- 4 threshold values (adjustable per parameter or object), calculation of mixed values (own/external value)
- PI controller for ventilation

Nº 71380	**Cala KNX IL** pure white RAL 9010 **NEW**	X2	**122.69 €**
Nº 71390	**Cala KNX IL CO2** pure white RAL 9010 **NEW**	X2	**242.86 €**

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

KNX ROOM CONTROLLER & SENSORS – FOR SWISS SYSTEM
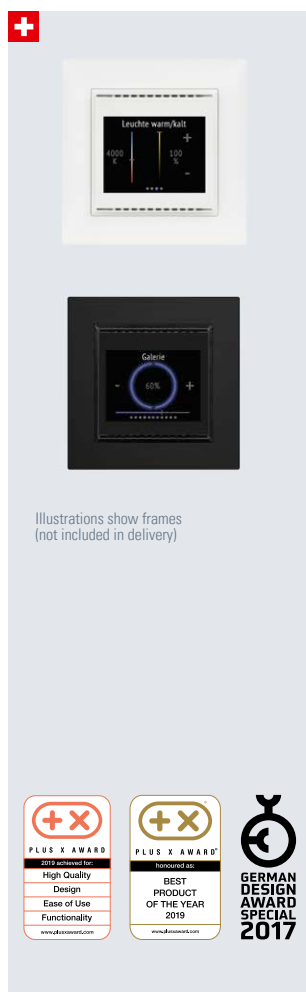
Cala® Touch KNX CH Room Controller

- Touch user interface for operation of light, shading, windows, heating, air conditioning and scenes (adjustable). Display of values and texts
- Up to 3 user interfaces for light (switching or dimming with display of the current value); Setting pages for RGB colour and for colour temperature
- Integrated biodynamic lighting control (human centric lighting)
- Up to 3 user interfaces for shading or window with display of current travel / slat position
- User interface for heating and climate, integrated temperature sensor
- User interfaces for up to 4 scenes
- Measurement display
- Display page for up to 4 bus values
- Up to 2 info pages, each for displaying 2 text objects
- Weekly timer with 8 time periods
- Screen saver (time, indoor / outdoor temperature or off)
- Calculation of mixed values (own / external value), threshold values
- Logic gates (8 AND / 8 OR), 8 multifunctional modules (for calculation, conditions, transition), 4 actuating variable comparator, summer compensation for cooling
- Configuration with ETS

- 4 inputs (binary inputs or for temperature sensor T-NTC)
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm systems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- Supply: bus voltage
- With installation instructions[2], mounting adapter and connecting cable for inputs

Cala Touch KNX T CH:
- Temperature sensor
- PI controller for heating / cooling

Cala Touch KNX TH CH:
- Temperature sensor and humidity sensor with calculation of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating / cooling and ventilation (dehumidification / humidification)

Cala Touch KNX AQS/TH CH:
- Sensor for CO_2, temperature and humidity with calculation of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating / cooling and ventilation (CO_2, dehumidification / humidification)

Illustrations show frames (not included in delivery)

Nº 70801	**Cala Touch KNX T CH** pure white RAL 9010	X2	**296.64 €**
Nº 70803	**Cala Touch KNX T CH** jet black RAL 9005	X2	**296.64 €**
Nº 70811	**Cala Touch KNX TH CH** pure white RAL 9010	X2	**321.01 €**
Nº 70813	**Cala Touch KNX TH CH** jet black RAL 9005	X2	**321.01 €**
Nº 70821	**Cala Touch KNX AQS/TH CH** pure white RAL 9010	X2	**462.10 €**
Nº 70823	**Cala Touch KNX AQS/TH CH** jet black RAL 9005	X2	**462.10 €**

Optional Accessory:
T-NTC, Nº 30516

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GERMAN DESIGN AWARD SPECIAL 2017

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[2] *Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.*

KNX AQS/TH-UP gl CH

KNX AQS/TH-UP Touch CH

Illustrations show frames
(not included in delivery)

KNX AQS/TH-UP Touch CH and KNX AQS/TH-UP gl CH Combined Sensors

- Indoor sensor for CO_2 concentration, temperature and air humidity (relative, absolute)
- Calculation of dew point, monitoring of the comfort field (DIN 1946)
- 9 threshold values (adjustable per parameter or object), mixed values (own / external value)
- Logic gates (4 AND, 4 OR), actuating variable comparators
- PI controllers for heating / cooling (temperature) and ventilation (CO_2, dehumidification / humidification)
- Configuration with ETS
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005

- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm systems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- Supply: bus voltage
- With installation instructions[2] and mounting adapter

KNX AQS/TH-UP gl CH:
- Without display, without push buttons

KNX AQS/TH-UP Touch CH:
- Value and scale display (setpoint temperature)
- Touch buttons: Can be used as bus buttons, for changing the setpoint temperature or for mode switching

Nº 70646	**KNX AQS/TH-UP gl CH** pure white RAL 9010	X2	**340.34 €**
Nº 70647	**KNX AQS/TH-UP gl CH** jet black RAL 9005	X2	**340.34 €**
Nº 70639	**KNX AQS/TH-UP Touch CH** pure white RAL 9010	X2	**368.91 €**
Nº 70643	**KNX AQS/TH-UP Touch CH** jet black RAL 9005	X2	**368.91 €**

Illustrations show frames
(not included in delivery)

KNX VOC/TH-UP Touch CH Combined Sensor

- Indoor sensor for mixed gas concentration (volatile organic compounds), temperature and humidity (relative, absolute)
- Calculation of dew point, monitoring of the comfort field (DIN 1946)
- 9 threshold values (adjustable per parameter or object), calculation of mixed values (own/external value)
- Logic gates (4 AND, 4 OR), variable comparators
- PI controllers for heating / cooling (temperature) and ventilation (mixed gas, dehumidification / humidification)
- Configuration with ETS

- Display: Value and scale display (target temperature)
- Touch buttons: Can be used as bus push button, to change the setpoint temperature or to switch modes
- Supply: bus voltage
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm systems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- With installation instructions[2] and support ring

Nº 70972	**KNX VOC/TH-UP Touch CH** pure white RAL 9010	X2	**368.91 €**
Nº 70974	**KNX VOC/TH-UP Touch CH** jet black RAL 9005	X2	**368.91 €**

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

KNX TH-UP Touch CH and KNX TH-UP gl CH Temperature/Humidity Sensors

- Indoor sensor for temperature and humidity (relative, absolute)
- Calculation of dew point, monitoring of the comfort field (DIN 1946)
- 7 threshold values (adjustable per parameter or object), mixed value calculation (own/external value)
- Logic gates (4 AND, 4 OR), actuating variable comparators
- PI controllers for heating / cooling (temperature) and ventilation (dehumidification / humidification)
- Configuration with ETS
- Supply: bus voltage
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005

- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm systems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- With installation instructions[2] and mounting adapter

KNX TH-UP gl CH:
- Without display, without push buttons

KNX TH-UP Touch CH:
- Value and scale display (setpoint temperature)
- Touch buttons: Can be used as bus push buttons, for changing the setpoint temperature or for mode switching

KNX TH-UP gl CH

KNX TH-UP Touch CH

Illustrations show frames (not included in delivery)

Nº 70644	**KNX TH-UP gl CH** pure white RAL 9010	X2	**211.93 €**
Nº 70645	**KNX TH-UP gl CH** jet black RAL 9005	X2	**211.93 €**
Nº 70637	**KNX TH-UP Touch CH** pure white RAL 9010	X2	**243.70 €**
Nº 70638	**KNX TH-UP Touch CH** jet black RAL 9005	X2	**243.70 €**

KNX T-L-Pr-UP Touch CH Combined Presence Sensor

- Presence detector (PIR/passive infrared, range 5 m) as master or slave
- Brightness sensor with threshold values
- Temperature sensor with calculation of mixed values
- Logic gates (2 AND, 2 OR)
- Configuration with ETS
- Supply: bus voltage
- 2 touch buttons (bus push button)

- 2 status LEDs (free assignable)
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm systems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- With installation instructions[2] and mounting adapter

Illustrations show frames (not included in delivery)

| Nº 70851 | **KNX T-L-Pr-UP Touch CH** pure white RAL 9010 | X2 | **248.74 €** |
| Nº 70853 | **KNX T-L-Pr-UP Touch CH** jet black RAL 9005 | X2 | **248.74 €** |

KNX T-UP Touch CH and KNX T-UP gl CH

- Indoor sensor for temperature
- Threshold values, calculation of mixed values
- Logic gates (4 AND, 4 OR), actuating variable comparators
- PI controllers for heating / cooling
- Configuration with ETS
- Supply: bus voltage
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm sys-

tems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- With installation instructions[2] and mounting adapter

KNX T-UP gl CH:
- Without display, without push buttons

KNX T-UP Touch CH:
- Display for measured values, bus data (e.g. date, time), mode, bargraph for target value change
- Touch buttons: Can be used as bus push buttons, for changing the setpoint temperature or for mode

KNX T-UP gl CH

KNX T-UP Touch CH

Illustrations show frames (not included in delivery)

Nº 70635	**KNX T-UP gl CH** pure white RAL 9010	X2	**201.68 €**
Nº 70636	**KNX T-UP gl CH** jet black RAL 9005	X2	**201.68 €**
Nº 70633	**KNX T-UP Touch CH** pure white RAL 9010	X2	**234.45 €**
Nº 70634	**KNX T-UP Touch CH** jet black RAL 9005	X2	**234.45 €**

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

Cala® KNX T 101/201/202 CH Temperature controller

- Temperature controller with PI controller for heating/cooling
- Integrated temperature sensor with calculation of mixed values (own/external value)
- 2 temperature limit values
- Configuration with ETS
- Supply: bus voltage
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm systems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- With installation instructions[2] and mounting adapter

Cala KNX T 101 CH:
- Display of temperature, adjustment of target temperature via push buttons

**Cala KNX T 201 Sunblind CH:**
- Display of temperature, adjustment of target temperature via push buttons
- 2 touch surfaces for 1 drive (up/down with icon "Shading")
- Additional area function when touching two or more buttons simultaneously
- LEDs for optical feedback
- Logic gates (2 AND, 2 OR)

Cala KNX T 202 Sunblind CH:
- Display of temperature, adjustment of target temperature via push buttons
- 2×2 touch surfaces for 2 drives (each up/down with icon "Shading")
- Additional area function when touching two or more buttons simultaneously
- LEDs for optical feedback
- Logic gates (2 AND, 2 OR)

Nº 70981	**Cala KNX T 101 CH** pure white RAL 9010	X2	**169.75 €**
Nº 70983	**Cala KNX T 101 CH** jet black RAL 9005	X2	**169.75 €**
Nº 70991	**Cala KNX T 201 Sunblind CH** pure white RAL 9010	X2	**187.06 €**
Nº 70993	**Cala KNX T 201 Sunblind CH** jet black RAL 9005	X2	**187.06 €**
Nº 71051	**Cala KNX T 202 Sunblind CH** pure white RAL 9010	X2	**211.68 €**
Nº 71053	**Cala KNX T 202 Sunblind CH** jet black RAL 9005	X2	**211.68 €**

Cala KNX T 101 CH

Cala KNX T 201 Sunblind CH

Cala KNX T 202 Sunblind CH

Illustrations show frames
(not included in delivery)
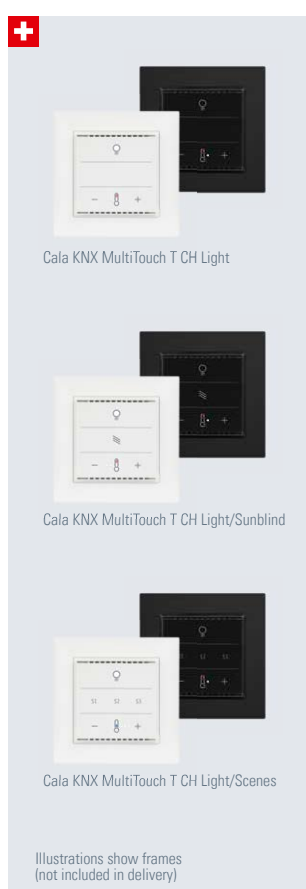
Cala® KNX MultiTouch T CH Push Button

- KNX push button with touch surface
- 3 operating zones arranged one above the other, printed with function icons for light (switch / dim), drive (shading), temperature. 3 touch surfaces per field, freely configurable
- LEDs for optical feedback
- Integrated temperature sensor with calculation of mixed values (own / external value)
- PI controller for heating / cooling
- Logic gates (4 AND, 4 OR)
- Configuration with ETS
- Supply: bus voltage
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm systems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- With installation instructions[2] and mounting adapter

Cala KNX MultiTouch T Light:
- Operating zone for light (switching, brighter, darker)
- Free zone with 3 touch surfaces for individual assignment
- Operating zone for temperature control (warmer, cooler, changeover heating/cooling)
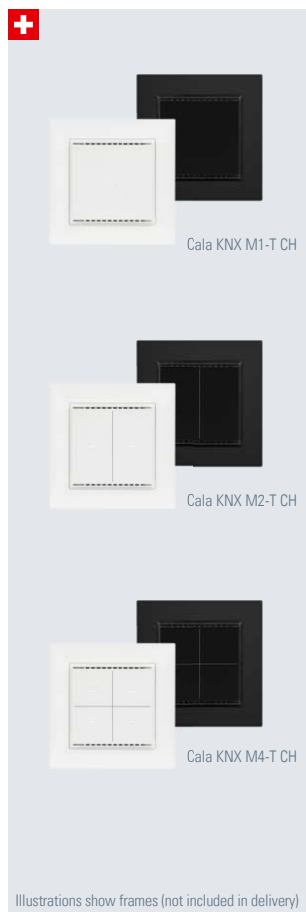
Cala KNX MultiTouch T Light/Sunblind:
- Operating zone for light (switching, brighter, darker)
- Operating zone for blinds/sunshades (up/down with short/long distinction, driving position)
- Operating zone for temperature control (warmer, cooler, changeover heating/cooling)

Cala KNX MultiTouch T Light/Scenes:
- Operating zone for light (switching, brighter, darker)
- Operating zone for temperature control (warmer, cooler, changeover heating/cooling)
- Operating zone for scene call and saving

Nº 70951	**Cala KNX MultiTouch T CH** Light, pure white RAL 9010	X2	**241.18 €**
Nº 70953	**Cala KNX MultiTouch T CH** Light, jet black RAL 9005	X2	**241.18 €**
Nº 70891	**Cala KNX MultiTouch T CH** Light/Sunblind, pure white RAL 9010	X2	**241.18 €**
Nº 70893	**Cala KNX MultiTouch T CH** Light/Sunblind, jet black RAL 9005	X2	**241.18 €**
Nº 70961	**Cala KNX MultiTouch T CH** Light/Scenes, pure white RAL 9010	X2	**241.18 €**
Nº 70963	**Cala KNX MultiTouch T CH** Light/Scenes, jet black RAL 9005	X2	**241.18 €**

Cala KNX MultiTouch T CH Light

Cala KNX MultiTouch T CH Light/Sunblind

Cala KNX MultiTouch T CH Light/Scenes

Illustrations show frames
(not included in delivery)

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

Cala KNX M1-T CH

Cala KNX M2-T CH

Cala KNX M4-T CH

Illustrations show frames (not included in delivery)

Cala® KNX M-T CH Push Buttons

- KNX push button with touch surface
- LED for optical feedback in each push button
- Function of push button adjustable via ETS
- Integrated temperature sensor with calculation of mixed values (own / external value)
- Logic gates (2 AND, 2 OR)
- Configuration with ETS
- Supply: bus voltage
- Glass surface, available in 2 colours: pure white RAL 9010, jet black RAL 9005
- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm systems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- With installation instructions[2] and mounting adapter

Cala KNX M1-T CH:
- Single push button

- Configurable as switch, selector switch, dimmer, blind (position and slat up/stop OR down/stop), roller shutter (up/down/stop), awning (in/out/stop), window (close/open/stop), as 8- or 16-bit encoder or for scene recall/saving

Cala KNX M2-T CH:
- Double push button
- Configurable as switch, selector switch, dimmer, for operating drives, as 8- or 16-bit value encoder or for scene recall/saving
- Additional area function when touching both touch buttons

Cala KNX M4-T CH:
- Four-gang push button
- Configurable as switch, selector switch, dimmer, for operating drives, as 8- or 16-bit value encoder or for scene recall/saving
- Additional area function when touching three or more buttons simultaneously

Nº 70861	**Cala KNX M1-T CH** pure white RAL 9010	X2	**163.36 €**
Nº 70863	**Cala KNX M1-T CH** jet black RAL 9005	X2	**163.36 €**
Nº 70871	**Cala KNX M2-T CH** pure white RAL 9010	X2	**175.63 €**
Nº 70873	**Cala KNX M2-T CH** jet black RAL 9005	X2	**175.63 €**
Nº 70881	**Cala KNX M4-T CH** pure white RAL 9010	X2	**187.06 €**
Nº 70883	**Cala KNX M4-T CH** jet black RAL 9005	X2	**187.06 €**

NEW

Illustrations show frames (not included in delivery)
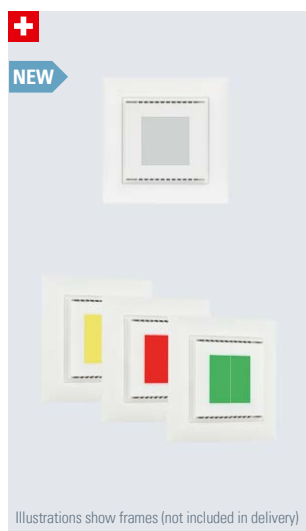
Cala® KNX IL CH Indicator Light

- Light signal with indicator function
- LED color field can glow/flash green, yellow or red or be switched off. Control via communication object (3× one-bit, scene, percent with threshold, two-byte floating point with threshold)
- Logic gates (4 AND, 4 OR), actuating variable comparator
- Configuration with ETS
- Supply: bus voltage
- For use in Swiss switch system with frame size 60 mm. Cannot be combined with other 60 mm systems! Frame and mounting plate not included

- Glass surface, colour: pure white RAL 9010
- With installation instructions[2] and support ring

Cala KNX IL CO2:
- Sensor for CO_2 concentration, value can be used for indicator light function
- 4 threshold values (adjustable per parameter or object), calculation of mixed values (own/external value)

Nº 71381	**Cala KNX IL CH** pure white RAL 9010 **NEW**	X2	**122.69 €**
Nº 71391	**Cala KNX IL CO2 CH** pure white RAL 9010 **NEW**	X2	**242.86 €**

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

KNX OPERATING UNITS WITH TOUCH DISPLAY

|	CASA CONNECT KNX	FABRO KNX	KNX TOUCH ONE STYLE	CORLO TOUCH KNX 5IN	CALA TOUCH KNX (3 Models)
NAME	CASA CONNECT KNX	FABRO KNX	KNX TOUCH ONE STYLE	CORLO TOUCH KNX 5IN	CALA TOUCH KNX (3 Models)
Item number	71200	71270	70197	70481, 70475	70800, 70802, 70810, 70812, 70820, 70822
Product info on …	Page 40	Page 40	Page 40	Page 41	Page 29
Display size	10.1" (1280 × 800 px)	7" (800 × 480 px)	5.7" (640 × 480 px)	5" (800 × 480 px)	2.3" (320 × 240 px)
Integrated sensors	–	–	Temperature/Humidity	–	**T:** Temp. **TH:** Temp./Humidity **AQS/TH:** CO_2/Temp./Humidity
Inputs	1× Ethernet (LAN)	–	4× Digital (binary data)	4× Analog/Digital (binary data or temperature sensor T-NTC)	4× Analog/Digital (Binary data or temperature sensor T-NTC)
Additional communication options (additional to KNX)	LAN/WLAN for Internet (browser, remote diagnostics), WLAN for App	–	Radio channel for remote control Remo 8/pro	Model "WL" with WLAN interface	–
Manual operation on Display:					
Shading	✓	✓	✓	✓	✓
Window	✓	✓	✓	✓	✓
Heating/cooling	✓	✓	✓	✓	✓
Ventilation	✓	✓	✓	✓	–
Light	✓ RGB, tunable white	✓ RGB, tunable white	✓	✓	✓ RGB, tunable white
Scenes	✓	✓	–	✓	✓
Operating elements & display surface individually assignable	✓	✓	✓	✓	–
Display of operating elements selectable	–	✓	–	✓	✓
Individual designations (names)	✓	✓	✓	✓	✓
Labelling with symbol	✓	✓	–	✓ (internal library or own files)	–
Screen saver	Off, Clock/Temperature, indiv. pictures, Off when room is dark	Off, Clock		Off, Clock, indiv. pict., Off when room is dark	Off, Clock
Automatic functions:					
Shading	✓	–	✓	✓	–
Window	✓	–	✓	✓	–
Heating/Cooling	✓ (control)	–	✓ (control)	✓ (control)	✓ (control)
Ventilation	✓	–	✓	✓ (control)	**T:** – **TH, AQS/TH:** ✓ (control)
Light	✓	–	✓	✓	–
Alarm/Security	✓	–	✓	✓	–
Automatic adjustable on the display	✓	–	✓	✓	(only room setpoint temp., mode)
Further bus functions	–	multifunction modules (computers), AND/OR logic	Actuating variable comparators, multifunction modules (computers), AND/OR logic	Limit values, AND/OR logic	Limit values, actuating variable comparators, multifunction modules (computers), AND/OR logic

KNX ROOM CONTROLLERS, CONTROL UNITS

CasaConnect KNX Building Control

- Touch display for operating and setting the KNX automated areas in the building
- Start page with weather data display and individually adjustable start menu
- Menu for manual operation with scenes, group function, areas/floors, sliders for position and much more
- Automatic functions for shading (awnings, blinds, shutters), room climate (heating, cooling, ventilation) and light
- Management of sensor data, alarm messages, timer
- Basic setup of the functions via ETS, changing the automatic directly on the display
- SD card slot for images (slideshow) and backup of settings

- Network connection (LAN or WLAN, including Internet connection) for surfing, use of the Casa-Connect-App on mobile devices, remote diagnostics
- Integrated speakers (4 tweeters, 1 full-range loudspeaker)
- Colour touch display 10.1 inches, real glass surface. Housing plastic
- Installation over a double switch box
- Approx. 279 × 185 (W × H, mm), mounting depth approx. 29 mm
- Colour black glossy
- Supply: 20...32 V DC
- Delivery with installation instructions[2]

Optional Accessories:
P04-KNX-GPS, № 71230   p. 49

№ 71200	**CasaConnect KNX** Building Control	X2	**1,915.13 €**
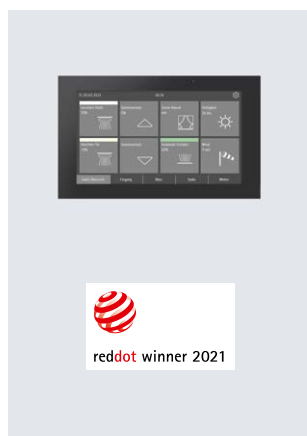
Fabro® KNX Operating Panel IP 66

- Touch operating panel for harsh environments and outdoor areas
- 5 display pages with 8 areas each
- Each area can be configured as a display or operating element. Objects from 1 bit (switching) to 14 bytes (text)
- Display of text, icon and colour per area, internal library with more than 40 icons
- 8 alarm input objects

- 8 multifunction modules (for calculation, conditions, conversion)
- Logic links (8 AND, 8 OR)
- KNX connection for data transmission
- Glass front in black with colour touch display 7 inch
- Housing IP 66, anodised aluminium
- Surface mounting, IP 66
- Dimensions approx. 191 × 111 (W × H, mm), mounting depth approx. 23 mm
- Supply: 20...32 V DC

reddot winner 2021

№ 71270	**Fabro KNX**	X2	**837.82 €**

KNX Touch One Style Operating Panel for Room Automation

- Operating panel for KNX with configurable display/control elements
- Graphic weather data display
- Automatic functions for shading (sun protection / screen), room climate control (heating, cooling, ventilation) and light
- Bus functions for time / scene control
- KNX-Anschluss für Datenübertragung
- 4 binary inputs (e.g. for push buttons)

- Integrated temperature and humidity sensor
- Glass front white / grey with 5.7" colour touch display
- Flush or cavity wall mounting (housing for surface mounting available separately)
- Dimensions approx. 181 × 131 (W × H, mm), mounting depth approx. 8 mm, concealed box approx. 172 × 122 × 81 (W × H × D, mm)
- Supply: 20...32 V DC

Optional Accessories:
Surface-mounted housing, № 60157   p. 15
Remote controls   p. 10

№ 70197	**KNX Touch One Style** white	X2	**770.59 €**

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

Corlo Touch KNX 5in Display for KNX

- Touch display usable as a switch, for the setting of automatic functions and display of information
- Touch sensitive glass surface, 5 inches
- 10 display pages can be configured individually, with areas for operation and display (e.g. switch, rocker, rotary control and value display)
- Includes large set of icons. You can load your own icons from Micro-SD Card
- Automatic functions for control of shading, room conditioning (heating, cooling, ventilation), lighting, adjustable on display
- Internal scene control, timer and wake-up function
- Logic gates (4 AND, 4 OR)
- Ambient lighting with individually variable colours (RGB)
- Proximity sensor allows switching on approach and fast activation of the display from standby mode
- Brightness sensor for automatic adaption of the display lighting

- 4 inputs (binary inputs or for temperatures sensor T-NTC, Nº 30516), connection cable available separately
- Configuration with ETS
- Micro SD card slot (Image, Icons)
- Installation in a socket
- Total dimensions approx. 133 × 97 × 35 (W × H × D, mm), mounting depth approx. 20 mm
- Glass black, frame glossy black
- Supply: 21.6…26.4 V DC
- Delivery with installation instructions[2]

Corlo Touch KNX 5in:
- KNX connection for data communication

Corlo Touch KNX 5in WL:
- KNX connection
- Connection for WLAN

Optional Accessories:			
T-NTC, Nº 30516	p. 62		

Nº 70481	**Corlo Touch KNX 5in** black/black	X2	**773.11 €**
Nº 70475	**Corlo Touch KNX 5in WL** black/black	X2	**850.42 €**

[2] *Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.*

KNX INDOOR SENSORS

70397 (AQS/TH-D)

70697 (AQS/TH-D)

70398 (TH-L-Pr),
70399 (AQS/TH-D L-Pr)
71420 (AQS/TH-D L-Pr light)

70698 (TH-L-Pr),
70699 (AQS/TH-D L-Pr)
71422 (AQS/TH L-Pr light)

Sewi KNX Indoor Sensor

- Indoor sensor with calculation of mixed values (own/external value), threshold values (adjustable per parameter or object)
- Temperature sensor, PI controllers for heating/cooling
- Air humidity sensor, calculation of dew point
- Actuating variable comparators
- Configuration with ETS
- Housing for surface mounting, IP 30, diameter approx. 105 mm, height 32 mm
- Available in 2 colours: white (skirting RAL 9003, cover RAL 9002), jet black (RAL 9005)
- Supply: bus voltage
- Delivery with installation instructions[2]

Sewi KNX AQS/TH-D:
- CO_2 sensor, PI controllers for ventilation
- PI controllers for ventilation (dehumidification / humidification)
- Air pressure sensor
- Monitoring of the comfort field (DIN 1946)
- Summer compensation for cooling
- Logic gates (8 AND, 8 OR), 8 multifunctional modules (for calculation, conditions, transition)
- For wall/ceiling mounting

Sewi KNX TH-L-Pr:
- Brightness sensor
- PI controllers for ventilation (dehumidification / humidification)
- Presence detector PIR/passive infrared, angle of detection 94° × 82°, range 5 m

- Monitoring of the comfort field (DIN 1946)
- Summer compensation for cooling
- Logic gates (8 AND, 8 OR), 8 multifunctional modules (for calculation, conditions, transition)
- For ceiling mounting

Sewi KNX AQS/TH-D L-Pr:
- CO_2 sensor, PI controllers for ventilation
- PI controllers for ventilation (dehumidification / humidification)
- Air pressure sensor
- Brightness sensor
- Presence detector PIR/passive infrared, angle of detection 94° × 82°, range 5 m
- Monitoring of the comfort field (DIN 1946)
- Summer compensation for cooling
- Logic gates (8 AND, 8 OR), 8 multifunctional modules (for calculation, conditions, transition)
- For ceiling mounting

Sewi KNX AQS/TH L-Pr light:
- CO_2 sensor, PI controllers for ventilation
- Brightness sensor
- Presence detector PIR/passive infrared, angle of detection 94° × 82°, range 5 m
- Monitoring of the cooling medium temperature
- Logic gates (2 AND, 2 OR), 2 multifunctional modules (for calculation, conditions, transition)
- For ceiling mounting

N° 70397	**Sewi KNX AQS/TH-D** signal white RAL 9003 / grey white RAL 9002	X2	**346.22 €**
N° 70697	**Sewi KNX AQS/TH-D** jet black RAL 9005	X2	**346.22 €**
N° 70398	**Sewi KNX TH-L-Pr** signal white RAL 9003 / grey white RAL 9002	X2	**272.27 €**
N° 70698	**Sewi KNX TH-L-Pr** jet black RAL 9005	X2	**272.27 €**
N° 70399	**Sewi KNX AQS/TH-D L-Pr** signal white RAL 9003 / grey white RAL 9002	X2	**380.67 €**
N° 70699	**Sewi KNX AQS/TH-D L-Pr** jet black RAL 9005	X2	**380.67 €**
N° 71420	**Sewi KNX AQS/TH L-Pr light** signal white RAL 9003 / grey white RAL 9002	X2	**354.62 €**
N° 71422	**Sewi KNX AQS/TH L-Pr light** jet black RAL 9005	X2	**354.62 €**

Focus Open 2015
Special Mention

iF DESIGN AWARD 2016

GERMAN DESIGN AWARD SPECIAL 2016

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

70660 (T), 70669 (TH) signal white

70665 (T), 70666 (TH) jet black

70681 (TH-L-Pr), 70671 (L-Pr) signal white

70682 (TH-L-Pr), 70672 (L-Pr) jet black

reddot award 2018 winner

Intra-Sewi KNX Indoor Sensor

- Indoor sensor with calculation of mixed values (own/ external value), threshold values (adjustable per parameter or object)
- Logic gates (4 AND, 4 OR)
- Configuration with ETS
- Supply: bus voltage
- Installation in cavity wall / ceiling or flush-mounted socket, diameter approx. 80 mm, mounting depth approx. 5 mm
- Available in 2 colours: signal white (RAL 9003) or pure white (RAL 9010), deep black (RAL 9005)
- Delivery with installation instructions[2]

Intra-Sewi KNX T:
- Temperature sensor, PI controllers for heating / cooling
- For wall/ceiling mounting

Intra-Sewi KNX TH:
- Temperature sensor, PI controllers for heating / cooling
- Air humidity sensor, PI controllers for ventilation (dehumidification / humidification), calculation of dew point, monitoring of the comfort field (DIN 1946)

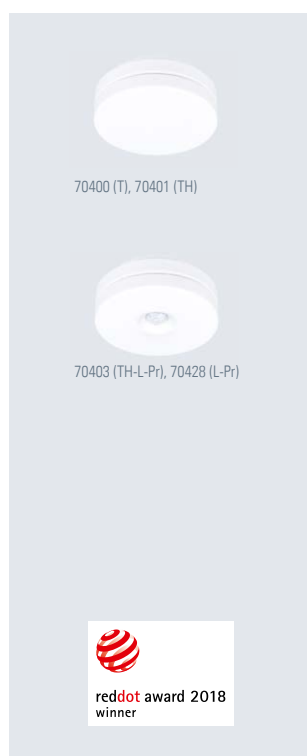- Actuating variable comparators
- For wall / ceiling mounting

Intra-Sewi KNX TH-L-Pr:
- Temperature sensor, PI controllers for heating / cooling
- Air humidity sensor, PI controllers for ventilation (dehumidification / humidification), calculation of dew point, monitoring of the comfort field (DIN 1946)
- Actuating variable comparators
- Presence detector (PIR/passive infrared, angle of detection 94° × 82°, range 5 m) and brightness sensor, light control
- For ceiling mounting

Intra-Sewi KNX L-Pr:
- Presence detector (PIR/passive infrared, angle of detection 94° × 82°, range 5 m) and brightness sensor, light control
- For ceiling mounting

N° 70660	**Intra-Sewi KNX T** signal white RAL 9003	X2	**160.50 €**
N° 70665	**Intra-Sewi KNX T** jet black RAL 9005	X2	**160.50 €**
N° 70669	**Intra-Sewi KNX TH** pure white RAL 9010	X2	**195.80 €**
N° 70666	**Intra-Sewi KNX TH** jet black RAL 9005	X2	**195.80 €**
N° 70671	**Intra-Sewi KNX L-Pr** pure white RAL 9010	X2	**195.80 €**
N° 70672	**Intra-Sewi KNX L-Pr** jet black RAL 9005	X2	**195.80 €**
N° 70681	**Intra-Sewi KNX TH-L-Pr** pure white RAL 9010	X2	**235.29 €**
N° 70682	**Intra-Sewi KNX TH-L-Pr** jet black RAL 9005	X2	**235.29 €**

70400 (T), 70401 (TH)

70403 (TH-L-Pr), 70428 (L-Pr)

reddot award 2018 winner

Mini-Sewi KNX Indoor Sensor

- Indoor sensor with calculation of mixed values (own/ external value), threshold values (adjustable per parameter or object)
- Logic gates (4 AND, 4 OR)
- Configuration with ETS
- Housing for surface mounting, IP 20, diameter approx. 51 mm, height 19 mm
- Supply: bus voltage
- Delivery with installation instructions[2]

Mini-Sewi KNX T:
- Temperature sensor, PI controllers for heating/cooling
- For wall / ceiling mounting

Mini-Sewi KNX TH:
- Temperature sensor, PI controllers for heating/cooling
- Air humidity sensor, PI controllers for ventilation (dehumidification / humidification), calculation of dew point, monitoring of the comfort field (DIN 1946)

- Actuating variable comparators
- For wall / ceiling mounting

Mini-Sewi KNX TH-L-Pr:
- Temperature sensor, PI controllers for heating/cooling
- Air humidity sensor, PI controllers for ventilation (dehumidification / humidification), calculation of dew point, monitoring of the comfort field (DIN 1946)
- Presence detector (PIR/passive infrared, angle of detection 94° × 82°, range 5 m) and brightness sensor, light control
- Actuating variable comparators
- For ceiling mounting

Mini-Sewi KNX L-Pr:
- Presence detector (PIR/passive infrared, angle of detection 94° × 82°, range 5 m) and brightness sensor, light control
- For ceiling mounting

N° 70400	**Mini-Sewi KNX T**	X2	**144.54 €**
N° 70401	**Mini-Sewi KNX TH**	X2	**195.80 €**
N° 70428	**Mini-Sewi KNX L-Pr**	X2	**147.90 €**
N° 70403	**Mini-Sewi KNX TH-L-Pr**	X2	**216.81 €**

[2] Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

KNX B8-TH Interface

- 8 binary inputs
- 2 sensor inputs:
  1× temperature / humidity sensor TH-UP basic
  Nº 30525;
  1× temperature sensor T-NTC-ST Nº 30513
- Threshold values, calculation of mixed values and
  dew point

- Logic gates (AND/OR)
- PI controller for heating / cooling (temperature) and
  ventilation (humidity)
- Configuration with ETS
- Approx. 38 × 49 × 18 (W × H × D, mm)
- Supply: bus voltage

Optional Accessories:

| T-NTC-ST, Nº 30513 | p. 44 |
| TH-UP basic | p. 44 |

| Nº 70249	**KNX B8-TH**		X2	**144.54 €**

T-NTC-ST for KNX B8-TH

- Temperature feed probe for indoor / outdoor use
- Measuring range -35…+100°C

- Length of sensor sleeve approx. 32 mm, Ø ca. 6 mm,
  cable length approx. 3 m

Nº 30513	**T-NTC-ST**		X2	**46.39 €**

Temperature/Humidity Sensor for KNX B8-TH

- Temperature sensor/air humidity sensor

- Installation in a socket. Can be combined with switch
  systems with frame size 55 mm. Delivery without
  frame

Nº 30525	**TH-UP basic**		X2	**65.55 €**
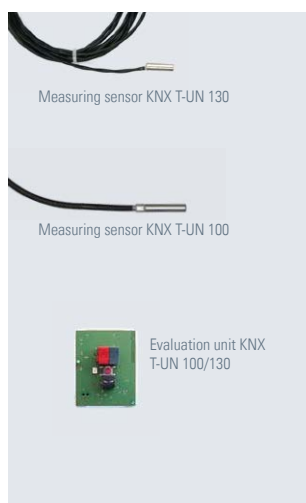
KNX T-UN All-purpose Temperature Sensor

Measuring sensor KNX T-UN 130

Measuring sensor KNX T-UN 100

Evaluation unit KNX T-UN 100/130

- Contacting/feed sensor for indoor and outdoor
  applications
- Set consisting of evaluation unit and measuring sensor
- Calculation of mixed values (own / external value),
  4 threshold values (adjustable per parameter or
  object)
- PI controller for heating / cooling
- Logic gates (4 AND, 4 OR)
- Configuration with ETS
- Evaluation unit for installation in socket approx.
  38 × 47 × 24 (W × H × D, mm)

- Cable length approx. 3 m
- Supply: bus voltage
- Delivery with installation instructions[2]
Set KNX T-UN 130:
- With measuring sensor KNX T-UN 130, protection
  category IP 67, -30…+130°C
- Length of sensor shell approx. 20 mm, Ø approx. 6 mm
Set KNX T-UN 100:
- With measuring sensor KNX T-UN 100, protection
  category IP 43, -35…+100°C
- Length of sensor shell approx. 32 mm, Ø approx. 6 mm

Nº 70220	**KNX T-UN 130**		X2	**218.49 €**
Nº 70221	**KNX T-UN 100**		X2	**190.76 €**

Evaluation Unit KNX T6-UN-B4

- Evaluation unit for up to 10 temperature sensors
- 6 temperature inputs for sensors T-100 or T-130 (sen-
  sors to be ordered seperately)
- 4 analog / digital inputs for temperature sensors
  T-NTC, bus push button or similar
- Overall 6 threshold values
- Calculation of mixed values (own / external value)

- 6 PI controllers for heating / cooling
- Logic gates (4 AND, 4 OR)
- Configuration with ETS
- Installation in socket, approx. 38 × 47 × 32 (W × H × D,
  mm)
- Supply: bus voltage
- Delivery with installation instructions[2]

Optional Accessories:

| T-NTC-ST, Nº 30516 | p. 62 |
| T-100, T-130 | p. 45 |

Nº 70222	**KNX T6-UN-B4**		X2	**241.18 €**

[2] Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.

T-130
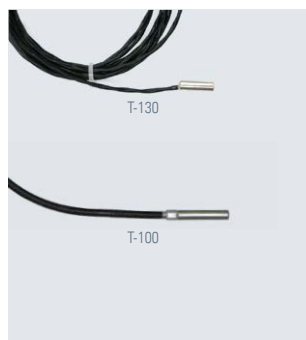
T-100

T Temperature Sensors

- For KNX T6-UN-B4 (temperature sensor inputs) and as replacement for temperature sensors KNX T-UN
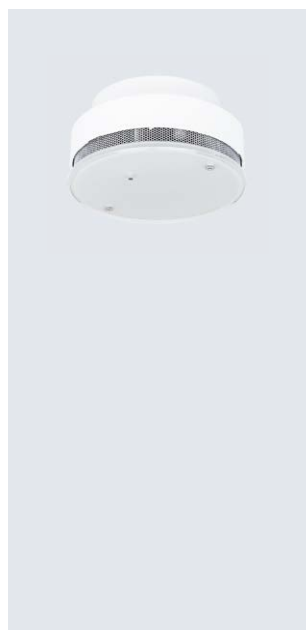- Cable length approx. 3 m

T-100:
- Protection category IP 43, -35…+100°C
- Replacement sensor for KNX T-UN 100

- Length of sensor shell approx. 32 mm, Ø approx. 6 mm

T-130:
- Protection category IP 67, -30…+130°C
- Replacement sensor for KNX T-UN 130
- Length of sensor shell approx. 20 mm, Ø approx. 6 mm

N° 30517	**T-100**	X1	**47.90 €**
N° 30518	**T-130**	X1	**73.70 €**

Smoke Detector Salva KNX

- Smoke detector
- Local alarm signal and forwarding of the signal to KNX bus; local acknowledgement of the alarm
- Automatic self-test, signal when smoke chamber is dirty
- Logic gates (8 AND, 8 OR), 8 multifunctional modules (for calculation, conditions, transition)
- Configuration with ETS
- For indoor ceiling mounting, surface mounting, IP 40, Diameter approx. 113 mm, hight 58 mm
- Power supply via battery (9 V); warning in case of low battery charge. Average service life approx. 10 years (typical) under normal conditions as per EN14604
- Delivery with installation instructions[2]

Salva KNX TH:
- Smoke detector for smoke and heat alarm
- Integrated sensors for temperature, humidity
- Calculation of mixed values and of the dewpoint
- Monitoring of the comfort field (DIN 1946)
- Threshold values (adjustable per parameter or object)
- PI controller for heating / cooling (temperature) and ventilation (dehum. / humidification)

Salva KNX basic:
- Smoke detector

Salva:
- Without KNX functions
- As replacement unit for 70405 / 70406 or for installation without KNX

N° 70406	**Salva KNX TH**	X2	**293.28 €**
N° 70405	**Salva KNX basic**	X2	**268.07 €**
N° 70409	Salva (replacement/without KNX)	X2	**187.65 €**

Leak KNX Leakage sensor for water / pipe break detection

Leak KNX

Leak KNX basic

- Detection of water at the probe
- Alarm signal to bus, text message is possible
- Probe: diameter: approx. 77 mm, cable length approx. 140 cm (plus cable grip and plugs)

Leak KNX 2.0:
- Set consists of evaluation unit and probe
- Probe with BNC plug, connection to evaluation unit
- Fault message for missing/defective probe

- Acoustic alarm signal
- Supply: 20...32 V DC
- Evaluation unit surface mounted, protection category IP 20, approx. 80 × 82 × 51 (W × H × D, mm)

Leak KNX basic:
- Probe with integrated bus coupling unit, KNX connection
- Supply: bus voltage

N° 70316	**Leak KNX 2.0**	X2	**304.20 €**
N° 70315	**Leak KNX basic**	X2	**178.99 €**

[2] *Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.*

KNX WEATHER STATIONS with wind/rain sensors. Further outdoor sensors see page 51

NAME	SUNTRACER KNX pro	SUNTRACER KNX sl	SUNTRACER KNX-GPS	WINDANCER KNX-GPS	SUNTRACER KNX sl light	SUNTRACER KNX-GPS light	SUNTRACER KNX sl basic	SUNTRACER KNX basic
Item number	70900	70154	3093	71236	70155	3094	70156	3096
Product info on ...	*Page 48*	*Page 48*	*Page 49*	*Page 50*	*Page 48*	*Page 50*	*Page 49*	*Page 50*
Temperature measurement (threshold values)	✓(4)	✓(4)	✓(4)	✓(4)	✓(4)	✓(4)	✓(4)	✓(4)
Air humidity measurement, 4 threshold values, dew point calculation	✓	–	–	–	–	–	–	–
Wind speed measurement (threshold values)	electronic (4)	electronic (4)	electronic (3)	mechanical (3)	electronic (4)	electronic (3)	electronic (4)	electronic (3)
Live monitoring (via wind)	✓	✓	–	–	✓	–	✓	–
Wind direction measurement, 4 areas	✓	–	–	–	–	–	–	–
Brightness measurement (threshold values twilight/day)	✓(4/8)	✓(4/4)	✓(3/4)	✓(3/4)	✓(4/4)	✓(3/3)	✓(4/4)	✓(3/3)
Precipitation recognition	✓	✓	✓	✓	✓	✓	✓	✓
Air pressure measurement, 4 threshold values	✓	✓	–	–	–	–	–	–
Integration of external KNX sensors in facades automation (indoor/outdoor temperature, brightness, pyranometer, wind)	✓	✓	–	–	✓	–	–	–
Calculation of the position of the sun	✓	✓	✓	✓	✓	✓	–	–
Shading control	✓ (12 facades)	✓ (8 facades)	✓ (6 facades)	✓ (8 facades)	✓ (5 facades)	✓ (5 facades)	–	–
Tracking of the slats and shadow edge	✓	✓	✓	✓	–	–	–	–
Delay times can be set (shading, threshold values) via communication objects	✓	✓	✓	✓	✓	–	✓	–
Blocking function for linkage and threshold value outputs	✓	✓	✓	✓	✓	–	✓	–
Output of status informations about facades in plain language (14 Byte), facade simulation for commissioning	✓	✓	–	–	✓	–	–	–
Calendar time switch, week time switch, date/time	✓(GPS)	✓(GPS)	✓(GPS)	✓(GPS)	✓(GPS)	✓(GPS)	–	–
Output of position coordinates	✓	✓	✓	✓	✓	–	–	–
AND and OR logic gates, 4 inputs each (number of 1-bit objects)	8 AND, 8 OR (16)	8 AND, 8 OR (16)	8 AND, 8 OR (16)	6 UND, 6 ODER (16)	8 AND, 8 OR (16)	8 AND, 8 OR (8)	8 AND, 8 OR (16)	8 AND, 8 OR (8)
8 multifunctional modules (calculators)	✓	✓	–	–	✓	–	✓	–
Heat protection (at high outdoor temperature)	✓	✓	✓	✓	✓	–	✓	–
Frost protection (in case of precipitation at low outdoor temperature)	✓	✓	–	–	✓	–	✓	–
Summer compensation for cooling	✓	✓	–	–	✓	–	–	–

|	WINDANCER KNX	P04-KNX-GPS	KNX LW sl	KNX LW	KNX RW sl	KNX RW	KNX W sl	KNX W	KNX R sl
	71235	71230	70164	70129	70162	70127	70158	70123	70165
	Page 50	*Page 49*	*Page 49*	*Page 50*	*Page 49*	*Page 50*	*Page 50*	*Page 50*	*Page 50*
	✓ (4)	✓	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	mechanical (3)	electronic (–)	electronic (4)	electronic (3)	electronic (4)	electronic (3)	electronic (4)	electronic (3)	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	✓ (3/3×3)	✓ (none)	✓ (4/4)	✓ (3/3)	–	–	–	–	–
	✓	✓	–	–	✓	✓	–	–	✓
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	✓	–	–	–	–	–	–	–	–
	✓	–	✓	–	✓	–	✓	–	✓
	–	–	–	–	–	–	–	–	–
	–	date & time only	–	–	–	–	–	–	–
	–	✓	–	–	–	–	–	–	–
	6 AND, 6 OR (16)	–	8 AND, 8 OR (16)	8 AND, 8 OR (8)	8 AND, 8 OR (16)	8 AND, 8 OR (8)	8 AND, 8 OR (16)	8 AND, 8 OR (8)	4 AND, 4 OR (16)
	–	–	✓	–	✓	–	✓	–	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–

KNX WEATHER STATIONS

suntracer® KNX pro Weather Station

- Wind speed sensor, wind direction sensor
- Heated precipitation sensor
- Brightness sensors for east, south and west sun, daylight (sky sensor), twilight detection
- Temperature sensor, humidity sensor (relative, absolute), air pressure sensor
- Calculation of dew point, monitoring of the comfort field (DIN 1946), summer compensation for cooling
- GPS receiver. Output of local time and position coordinates, calculation of the position of the sun
- Threshold values, adjustable per parameter or object
- Shading control for 12 fronts with tracking of the slats and shadow edge, frost protection
- Calendar time switch (4 annual terms with 2 daily periods), week time switch (24 periods)
- 8 multifunctional modules (for calculation, conditions, transition), logic gates (8 AND, 8 OR)
- Configuration with ETS
- For pole mounting, IP 44, approx. 255 × 140 × 274 (W × H × D, mm, without mounting)
- Supply: 24 V DC ±10%
- Delivery with 24 V DC power supply unit PS2500 (N° 20206), mounting pole 50 cm with mounting accessories and installation instructions[2]
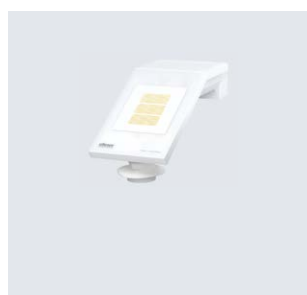
N° 70900	**Suntracer KNX pro**	X2	**1,968.07 €**
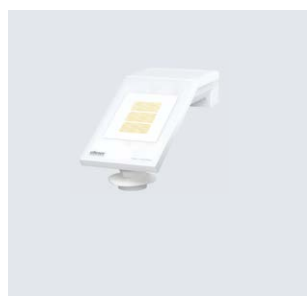
suntracer® KNX sl Weather Station

- With wind speed sensor, heated precipitation sensor, brightness sensor, temperature sensor, air pressure sensor
- GPS receiver. Output of local time and position coordinates, calculation of the position of the sun
- Threshold values, adjustable per parameter or object
- Shading control for 8 fronts with tracking of the slats and shadow edge and with frost protection
- 8 multifunctional modules (for calculation, conditions, transition)
- Calendar time switch (4 annual terms with 2 daily periods), week time switch (24 periods)
- Summer compensation for cooling
- Logic gates (8 AND, 8 OR)
- Configuration with ETS
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm), incl. mounting accessories (screws, mast clamp)
- Supply: 20...30 V DC
- Delivery with installation instructions[2] and Mounting Arm Fix

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

N° 70154	**Suntracer KNX sl** with Mounting Arm Fix	X2	**1,111.93 €**

suntracer® KNX sl light Weather Station

- With wind speed sensor, heated precipitation sensor, brightness sensor, temperature sensor, air pressure sensor
- GPS receiver. Output of local time and position coordinates, calculation of the position of the sun
- Threshold values, adjustable per parameter or object
- Shading control for 5 fronts (without tracking of the slats and shadow edge), frost protection for shading elements
- Calendar time switch (4 annual terms with 2 daily periods), week time switch (24 periods)
- 8 multifunctional modules (for calculation, conditions, transition)
- Summer compensation for cooling
- Logic gates (8 AND, 8 OR)
- Configuration with ETS
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm), incl. mounting accessories (screws, mast clamp)
- Supply: 20...30 V DC
- Delivery with installation instructions[2] and Mounting Arm Fix

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

N° 70155	**Suntracer KNX sl light** with Mounting Arm Fix	X2	**933.61 €**

Awards for Suntracer KNX sl

German Design Award WINNER 2015

Focus Open 2014 Special Mention

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[2] Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.

suntracer® KNX sl basic Weather Station

- With wind speed sensor, heated precipitation sensor, 3 brightness sensors (rotated 90° each), outdoor temperature sensor
- Threshold values, adjustable per parameter or object
- Frost protection for shading elements
- 8 multifunctional modules (for calculation, conditions, transition)
- Logic gates (8 AND, 8 OR)

- Configuration with ETS
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm), incl. mounting accessories (screws, mast clamp)
- Supply: 20...30 V DC
- Delivery with installation instructions[2] and Mounting Arm Fix

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

Nº 70156	**Suntracer KNX sl basic** with Mounting Arm Fix	X2	**654.62 €**

P04-KNX-GPS Weather Station

- With wind speed sensor, heated precipitation sensor, brightness sensors (output of the maximum value of 3 sensors, sensors are rotated 90° each), outdoor temperature sensor
- GPS receiver. Output of local time and position coordinates
- Configuration with ETS

- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm), incl. mounting accessories (screws, mast clamp)
- Supply: 20...30 V DC
- Delivery with installation instructions[2] and Mounting Arm Fix

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

Nº 71230	**P04-KNX-GPS** with Mounting Arm Fix	X2	**605.88 €**

KNX sl Weather Sensors

KNX W sl
KNX RW sl
KNX LW sl

KNX R sl

- Configuration with ETS
- For wall / pole mounting, IP 44, approx. 62 × 71 × 152 (W × H × D, mm), incl. mounting accessories (screws, mast clamp)
- Supply: 20...30 V DC
- Delivery with installation instructions[2]

KNX W sl:
- Wind speed sensor
- Threshold values, adjustable per parameter or object
- Logic gates (8 AND, 8 OR)
- 8 multifunctional modules (for calculation, conditions, transition)

KNX RW sl:
- Rain/wind speed sensor

- Threshold values, adjustable per parameter or object
- Logic gates (8 AND, 8 OR)
- 8 multifunctional modules (for calculation, conditions, transition)

KNX LW sl:
- Brightness/wind speed sensor
- Threshold values, adjustable per parameter or object
- Logic gates (8 AND, 8 OR)
- 8 multifunctional modules (for calculation, conditions, transition)

KNX R sl:
- Heated precipitation sensor
- Logic gates (4 AND, 4 OR)
- Approx. 62 × 55 × 152 (W × H × D, mm)

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

Nº 70158	**KNX W sl**	X2	**376.47 €**
Nº 70162	**KNX RW sl**	X2	**443.70 €**
Nº 70164	**KNX LW sl**	X2	**443.70 €**
Nº 70165	**KNX R sl**	X2	**147.90 €**

suntracer® KNX GPS Weather Station

- With wind speed sensor, heated precipitation sensor (1.2 W), brightness sensor, outdoor temperature sensor
- GPS receiver. Output of local time and position coordinates, calculation of the position of the sun
- Threshold values, adjustable per parameter or object
- Shading control for 6 fronts with tracking of the slats and shadow edge

- Calendar time switch, week time switch
- Logic gates (8 AND, 8 OR)
- Configuration with ETS
- For wall / pole mounting, housing for surface mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm), incl. 2 straps for pole mounting
- Supply: 20...30 V DC

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

Nº 3093	**Suntracer KNX-GPS**	X2	**1,056.30 €**

[2] Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.

suntracer® KNX GPS light Weather Station

- With wind speed sensor, heated precipitation sensor (1.2 W), brightness sensor, outdoor temperature sensor
- GPS receiver. Output of local time and position coordinates, calculation of the position of the sun
- Threshold values, adjustable per parameter or object
- Shading control for 5 fronts (without tracking of the slats and shadow edge)
- Calendar time switch, week time switch
- Logic gates (8 AND, 8 OR)
- Configuration with ETS
- For wall / pole mounting, housing for surface mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm), incl. 2 straps for pole mounting
- Supply: Available for 230 V AC or for 20...30 V DC

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

Nº 3094	**Suntracer KNX-GPS light** 20...30 V DC	X2	**888.82 €**

suntracer® KNX basic Weather Station

- With wind speed sensor, heated precipitation sensor (1.2 W), brightness sensor, outdoor temperature sensor
- Threshold values, adjustable per parameter or object
- Logic gates (8 AND, 8 OR)
- Configuration with ETS
- For wall/pole mounting, housing for surface mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm), incl. 2 straps for pole mounting
- Supply: 20...30 V DC

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

Nº 3096	**Suntracer KNX basic** 20...30 V DC	X2	**611.09 €**

KNX Weather Sensors

KNX W 20-30 V DC   KNX RW 20-30 V DC

KNX LW 20-30 V DC   KNX L

- Threshold values, adjustable per parameter or object
- Logic gates (8 AND, 8 OR)
- Configuration with ETS
- For wall / pole mounting, housing for surface mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm), incl. 2 straps for pole mounting
- Delivery with installation instructions[2]

KNX L:
- Brightness sensor

KNX W:
- Wind speed sensor

KNX RW:
- Rain / wind speed sensor

KNX LW:
- Brightness / wind speed sensor

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

Nº 70119	**KNX L** power supply via bus	X2	**155.46 €**
Nº 70123	**KNX W** 20...30 V DC	X2	**376.47 €**
Nº 70127	**KNX RW** 20...30 V DC	X2	**443.70 €**
Nº 70129	**KNX LW** 20...30 V DC	X2	**443.70 €**

Windancer KNX Wetterstationen

- With wind speed sensor, heated precipitation sensor, temperature sensor
- Threshold values, adjustable per parameter or object
- Logic gates (6 AND, 6 OR)
- Configuration with ETS
- For wall mounting, IP 44, approx. 113 × 101 × 225 (W × H × D, mm), incl. mounting screws
- Pole mounting with Nº 30129 Fix P (optional)
- Auxiliary voltage: 24 V DC
- Delivery with installation instructions[2]

Windancer KNX:
- 3 brightness sensors for east, south and west sun

Windancer KNX-GPS:
- 3 brightness sensors, use of current maximum value
- GPS receiver. Output of local time and position coordinates, calculation of the position of the sun
- Shading control for 8 fronts with tracking of the slats and shadow edge
- Calendar time switch, week time switch

Optional Accessories:

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 62

Nº 71235	**Windancer KNX**	X2	**478.15 €**
Nº 71236	**Windancer KNX-GPS**	X2	**584.03 €**

[2] Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.

KNX OUTDOOR SENSORS Weather stations with wind/rain sensors see page 46

NAME	VARI KNX 3L-T	VARI KNX 3L-TH	VARI KNX 3L-TH-D-GPS	KNX PY	KNX T-AP	KNX TH65-AP
Item number	70383	70384	70390	70157	70121	70184
Product info on …	*Page 52*	*Page 52*	*Page 52*	*Page 52*	*Page 52*	*Page 53*
Temperature measurement, 4 threshold values	✓	✓	✓	–	✓	✓
Air humidity measurement (threshold values), dew point calculation	–	✓ (4)	✓ (4)	–	–	✓ (2)
Brightness measurement (threshold values twilight/day)	✓ (4/4)	✓ (4/4)	✓ (4/4)	–	–	–
Global radiation measurement (solar intensity), 4 threshold values	–	–	–	✓	–	–
Air pressure measurement, 4 threshold values	–	–	✓	–	–	–
Calculation of the position of the sun	–	–	✓	–	–	–
Blooking function for linkage and threshold value outputs	✓	✓	✓	–	–	–
Calendar time switch, week time switch, date/time	–	–	✓	–	–	–
Output of position coordinates	–	–	✓	–	–	–
AND and OR logic gates, 4 inputs each (number of 1-bit objects)	8 AND, 8 OR (16)	8 AND, 8 OR (16)	8 AND, 8 OR (16)	2 AND, 2 OR (8)	4 AND, 4 OR (8)	4 AND, 4 OR (8)
8 multifunctional modules (calculators)	✓	✓	✓	–	–	–
Temperature controller (heating, cooling)	✓	✓	✓	–	✓	✓
Humidity controller (ventilation)	–	✓	✓	–	–	✓
Summer compensation for cooling	✓	✓	✓	–	–	–

KNX OUTDOOR SENSORS

Vari KNX Outdoor Sensors

- Sensors for outdoor and indoor application
- Calculation of mixed values (own / external value), threshold values, adjustable per parameter or object
- Logic gates (8 AND, 8 OR), 8 multifunctional modules (for calculation, conditions, transition)
- Configuration with ETS
- For wall/pole mounting, IP 44, approx. 65 × 80 × 30 (W × H × D, mm), incl. mounting accessories (screws, mounting strap)
- Supply: bus voltage
- Delivery with installation instructions[2]

Vari KNX 3L-T:
- 3 Helligkeitssensoren, jeweils 90° versetzt
- Temperature sensor, PI controllers for heating / cooling
- Summer compensation for cooling

Vari KNX 3L-TH:
- 3 brightness sensors, rotated 90° each
- Temperature sensor, PI controllers for heating / cooling

- Air humidity sensor, PI controllers for ventilation (dehumidification / humidification), calculation of dew point, monitoring of the comfort field (DIN 1946)
- Summer compensation for cooling
- Actuating variable comparators

Vari KNX 3L-TH-D GPS:
- 3 brightness sensors, rotated 90° each
- Temperature sensor, PI controllers for heating / cooling
- Air humidity sensor, PI controllers for ventilation (dehumidification / humidification), calculation of dew point, monitoring of the comfort field (DIN 1946)
- Air pressure sensor
- Summer compensation for cooling
- Actuating variable comparators
- GPS receiver: output of current time and position coordinates, calculation of the solar position
- Calendar time switch (4 annual terms with 2 daily periods), week time switch (24 periods)

N° 70383	**Vari KNX 3L-T**	X2	**337.90 €**
N° 70384	**Vari KNX 3L-TH**	X2	**390.76 €**
N° 70390	**Vari KNX 3L-TH-D GPS**	X2	**507.56 €**

Optional Accessory:
Mounting accessories   p. 62

KNX PY Pyranometer

- Measures the global irradiance (sun intensity), output of radiation intensity in watts per squaremeter (0…2500 W/m²) or kilowatt hours per squaremeter (0…2196 kWh/m²)
- 4 threshold values, adjustable per parameter or object
- Logic gates (2 AND, 2 OR)

- Configuration with ETS
- For wall / pole mounting, housing for surface mounting, IP 44, approx. 96 × 77 × 118 (W × H × D, mm), incl. 2 straps for pole mounting
- Supply: bus voltage
- Delivery with installation instructions[2]

N° 70157	**KNX PY**	X2	**400.00 €**

Optional Accessory:
Mounting accessories   p. 62

KNX T-AP Temperature Sensor

- Temperature sensor for indoor and outdoor applications
- Calculation of mixed values (own / external value), 4 threshold values, adjustable per parameter or object
- Logic gates (4 AND, 4 OR)
- PI Controller for heating / cooling

- Configuration with ETS
- Housing for surface mounting, IP 65, grey, approx. 65 × 93 × 38 (W × H × D, mm)
- Supply: bus voltage
- Delivery with installation instructions[2]

N° 70121	**KNX T-AP**	X2	**209.24 €**

[2] Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.

KNX TH65-AP Thermo-Hygrometer

- Sensor for indoor and outdoor applications for temperature and humidity (relative, absolute)
- Calculation of mixed values (own / external value), calculation of dew point. 7 threshold values, adjustable per parameter or object
- Monitoring of the comfort field (DIN 1946)
- Logic gates (4 AND, 4 OR)
- PI controllers for heating / cooling (temperature) and ventilation (dehumidification / humidification)
- Configuration with ETS
- Housing for surface mounting, IP 65, grey, approx. 65 × 93 × 38 (W × H × D, mm)
- Supply: bus voltage
- Delivery with installation instructions[2]

Nº 70184	**KNX TH65-AP**	X2	**272.27 €**
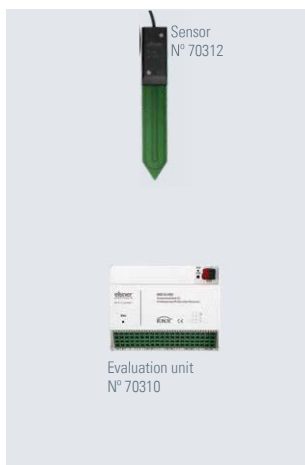
KNX I4-ERD Evaluation Unit for Ground Sensors TH-ERD

- Evaluation unit for monitoring of ground temperature/humidity for up to 4 ground sensors (please order sensors separately).
- Configuration with ETS
- Delivery with installation instructions[2]

KNX I4-ERD Evaluation Unit:
- 2 threshold values for temperature / humidity per sensor
- 6 units series installation housing, approx. 107 × 88 × 60 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz

TH-ERD Ground temperature / humidity sensor:
- Temperature measurement (-55...125°C)
- Moisture measurement (possible measurement in a temperature range of -10...70°C)
- Approx. 32 × 220 × 10 (W × H × D, mm), cable length approx. 10 m, may be extended to 100 m

Nº 70310	**KNX I4-ERD** evaluation unit	X2	**343.70 €**
Nº 70312	**TH-ERD** ground temperature/humidity sensor	X2	**240.34 €**

KNX SO250 Tank Sensors for KNX

- For measurement of the capacity of liquids in tanks and for distance measurement
- Threshold values, adjustable per parameter or object
- Set consisting of evaluation unit and ultrasonic probe
- Ultrasound probe with measurement range 12 to 250 cm. Dimensions: Ø approx. 60 mm, height approx. 45 mm, 1½" thread, incl. 10 m cable
- Suitable for water and heating oil
- Configuration with ETS
- Delivery with installation instructions[2]

KNX SO250 basic:
- Evaluation unit for series installation, 3 units, approx. 53 × 88 × 60 (W × H × D, mm)
- Supply: bus voltage

KNX SO250:
- Evaluation unit with display and push buttons, for series installation, 7 units, approx. 123 × 89 × 61 (W × H × D, mm)
- 2 additional output relays
- Supply: 230 V AC, 50 Hz

Nº 70153	**KNX SO250 basic** Evaluation unit with probe	X2	**380.67 €**
Nº 70151	**KNX SO250** Evaluation unit with probe	X2	**493.28 €**

KNX ACTUATORS – FOR LIGHTING (DALI)

NEW
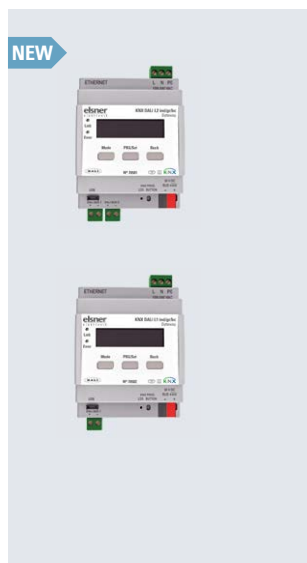
KNX DALI L1 & L2 ind/gr/bc Interface

- For DALI lighting control (DALI-2)
- Individual control, group control (also combined) or broadcast control
- Brightness control, control of color temperature and RGB and RGBW color values
- Status messages via two-line text display and KNX bus
- Emergency lighting tests via KNX line
- Configuration with ETS
- Ethernet port for network settings, language, statistics, firmware update via embedded web interface
- Micro USB port for system access (e.g. software update)

- Supply: 110...240 V AC
- Internal DALI power supply
- Installation on DIN rail, 4 units, approx. 70 × 90 × 64.5 (W × H × D, mm)
- Delivery with installation instructions[2]

KNX DALI L1 ind/gr/bc:
- 1 output for 64 individual devices or 16 groups
- 16 scenes

KNX DALI L2 ind/gr/bc:
- 2 output for 2×64 individual devices or 2×16 groups
- 2×16 scenes

Nº 70582	**KNX DALI L1 ind/gr/bc NEW**	X2	**308.40 €**
Nº 70581	**KNX DALI L2 ind/gr/bc NEW**	X2	**417.65 €**

KNX ACTUATORS – FOR DOORS

Control Module for Door Drives KNX A3-B2

- 3 outputs for control of a door (defined open / close / stop, impulse or deadman mode)
- 2 binary inputs (for status query or as a bus push button)
- Connection via included breakout cable

- Installation in a flush mounted socket, approx. 38 × 47 × 29 (W × H × D, mm)
- Configuration with ETS
- Supply: bus voltage
- Delivery with installation instructions[2]

Nº 70391	**KNX A3-B2**	X2	**170.59 €**

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[2] Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.

KNX ACTUATORS – FOR CONSUMERS

KNX R1-B4 compact 16 A Switching Actuator

- Potential-free relay output for 1 consumer load (on / off); maximum 270 V AC/30 V DC, 16 A
- Timer functions: On / off delay, staircase timer with adjustable prewarning
- 8 channel scene control
- 4 digital inputs
- Configuration with ETS
- For installation, e.g. in socket. Diameter approx. 52 mm, depth approx. 24 mm
- Supply: bus voltage
- Delivery with connection line for the digital inputs and installation instructions[2]

Nº 70574	**KNX R1-B4 compact 16 A**	X2	**173.11 €**

KNX ACTUATORS – FOR DRIVES OR CONSUMERS

KNX S1R-B4 compact Multifunctional Actuator

- Potential-free relay output for 1 drive (1x up / down) or two consumers (2x on / off); maximum 270 V AC / 30 V DC, 5 A
- Shading/window automation; movement restrictions
- 16 channel scene control
- 4 digital inputs
- Configuration with ETS
- For installation, e.g. in socket. Diameter approx. 52 mm, depth approx. 24 mm
- Supply: bus voltage
- Delivery with connection line for the digital inputs and installation instructions[2]

Nº 70550	**KNX S1R-B4 compact**	X2	**158.82 €**
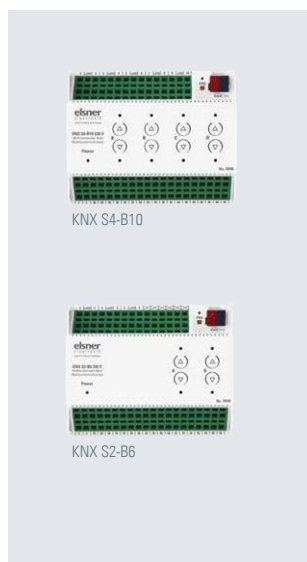
KNX S4-B10, KNX S2-B6 Multifunctional Actuators

KNX S4-B10

KNX S2-B6

- Outputs 230 V AC, each for one drive (1x up / down) or two consumers (2x on / off)
- Motor run time variable by ETS parameters or active current metering
- Automatic functions for shading, window; movement restrictions
- 16 channel scene control
- Supply: 230 V AC, 50 Hz
- Configuration with ETS
- Delivery with installation instructions[2]

KNX S4-B10 230 V:
- 4 multifunctional outputs 230 V AC (4 drives / 8 consumers)

- 10 binary inputs
- Installation on DIN, rail with integrated push buttons and LEDs, 6 units, approx. 107 × 88 × 60 (W × H × D, mm)

KNX S2-B6 230 V:
- 2 multifunctional outputs 230 V AC (2 drives / 4 consumers)
- 6 binary inputs
- Installation on DIN, rail with integrated push buttons and LEDs, 6 units, approx. 107 × 88 × 60 (W × H × D, mm)

Nº 70546	**KNX S4-B10** 230 V	X2	**490.76 €**
Nº 70548	**KNX S2-B6** 230 V	X2	**308.40 €**

KNX ACTUATORS for drives or multifunctional

NAME	KNX S4-B10 230 V	KNX S2-B6 230 V	KNX S4-B12 24 V	KNX S1R-B4 compact
Item number	70546	70548	70533	70550
Product info on ...	*Page 55*	*Page 55*	*Page 57*	*Page 55*
Housing	DIN-rail 6U	DIN-rail 6U	DIN-rail 6U	in-wall
Pairs of buttons	4	2	4	–
Supply	230 V AC	230 V AC	20...32 V DC	Bus
Channels	4	2	4	1
Multifunctional (per 1x up/down or 2x off/on)	✓	✓	only up/down	✓
Output voltage	230 V AC	230 V AC	12...24 V DC pole reversal	potential-free
Outputs switch	mechanical	mechanical	mechanical	mechanical
Separate voltage feed per channel	–	–	✓	–
Digital inputs	10	6	12	4
Digital/analogue inputs	–	–	–	–
Input voltage	6...80 V DC, 6...240 V AC	6...80 V DC, 6...240 V AC	6...24 V DC	–
Drives: runtime measurement	✓*	✓*	✓*	✓*
Dead time (also automatically)	✓	✓	✓	✓
Position feedback, position storage	✓	✓	✓	✓
Locking (Master/Slave)	✓	✓	✓	✓
Priority for safety functions, Priority manual/automatic adjustable	✓	✓	✓	✓
Safety objects per channel, with movement position	5	5	5	5
Short term restriction (movement command blocked)	✓	✓	✓	✓
Movement restriction	2	2	–	–
Behaviour adjustable for bus voltage failure/recovery	✓	✓	✓	✓
Automatic Shading, slat tracking	✓	✓	✓	✓
Step command for slat turning	✓	✓	✓	✓
Window automation	✓	✓	✓	✓
Scenes	16	16	16	16
Temperature thresholds	–	–	–	–
Automatic staircase lighting system	✓	✓	–	✓

consider minimum current

KNX ACTUATORS – FOR 24 V DC DRIVES
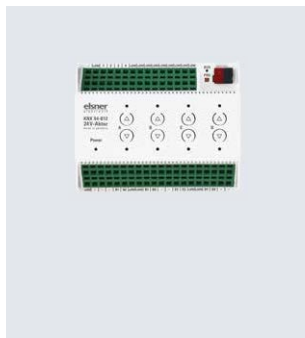
KNX S4-B12 24V KNX Actuator

- 4 outputs with polarity change (up / down) for motors 12 - 24 V DC, separate voltage supply per channel
- Motor run time variable by ETS parameters or active current metering
- Automatic functions for shading, window; movement restrictions
- 16 channel scene control

- 12 binary inputs
- Installation on DIN, rail with integrated push buttons and LEDs, 6 units, approx. 107 × 88 × 60 (W × H × D, mm)
- Supply: 20...32 V DC (external power supply necessary)
- Configuration with ETS
- Delivery with installation instructions[2]

Nº 70533	**KNX S4-B12** 24 V	X2	**490.76 €**

KNX ACTUATORS – FOR DRIVES WITH 3 LIMIT SWITCHES

KNX S4-B12 DES Actuator for drives with 3 limit switches

- 4 outputs 230 V AC, each for 1 drive (up / down) with 3 limit switches (DES)
- 12 binary inputs
- Internal automatic functions for shading; movement restrictions
- 16 channel scene control

- Configuration with ETS
- Operating voltage: 230 V AC, 50 Hz
- Installation on DIN, rail with integrated push buttons and LEDs, 6 units, approx. 107 × 88 × 60 (W × H × D, mm)
- Delivery with installation instructions[2]

Nº 70535	**KNX S4-B12 DES**	X2	**490.76 €**

KNX POWER SUPPLY UNITS
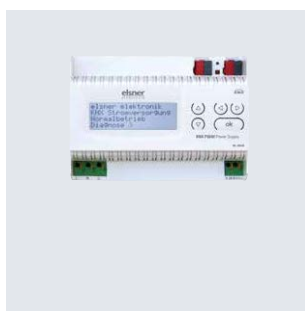
KNX PS640 Power Supply Unit for KNX

- 1 output for KNX bus voltage, output current of max. 640 mA, short-circuit proof (throttled)
- 1 output for 24 V DC, output current of maximum 150 mA (not throttled)
- Display of short circuit, overvoltage, overload, excessive temperature, current consumption

- Reset of the connected bus participants at the device
- Installation on DIN rail with display and push buttons, 7 units, approx. 123 × 89 × 61 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz

Nº 70140	**KNX PS640**	X2	**443.70 €**
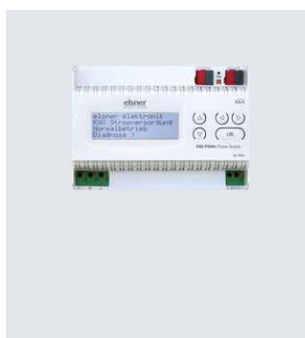
KNX PS640+ Power Supply Unit for KNX

- 1 output for KNX bus voltage, output current of max. 640 mA, short-circuit proof (throttled)
- 1 output for 24 V DC, output current of maximum 150 mA (not throttled)
- Display of short circuit, overvoltage, overload, excessive temperature, current consumption
- Storage of malfunction messages

- Reset of the connected bus participants at the device
- Bus connector for data transfer to line/main line/area
- With bus functions (transfer of malfunction messages / operating; time / period reset via the bus)
- Installation on DIN rail with display and push buttons, 7 units, approx. 123 × 89 × 61 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz

Nº 70141	**KNX PS640+** with bus functions	X2	**536.89 €**

[2] Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.
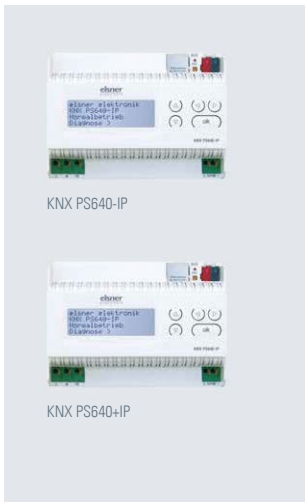
KNX PS640 IP Router with Power Supply Unit for KNX

KNX PS640-IP

KNX PS640+IP

- 1 output for KNX bus voltage, output current of max. 640 mA, short-circuit proof (throttled)
- 1 output for 24 V DC, output current of max. 150 mA (not throttled)
- Display of short circuit, overvoltage, overload, excessive temperature, current consumption
- Storage of malfunction messages
- With Ethernet interface (RJ45 connector). Allows for routing (Ethernet as fast backbone for KNX data), use as line coupler, tunneling (bus access over IP, remote maintenance via LAN)

- Reset of the connected bus participants at the device
- Installation on DIN rail with display and push buttons, 7 units, approx. 123 × 89 × 61 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz

KNX PS640-IP:
- Without bus functions

KNX PS640+IP:
- Bus connector for data transfer to line / main line / area
- With bus functions (transfer of malfunction messages / operating; time / period reset via the bus)

Nº 70142	**KNX PS640-IP** with Ethernet interface	X2	**812.27 €**
Nº 70145	**KNX PS640+IP** with bus functions and Ethernet interface	X2	**864.54 €**

KNX PS640 4U Power Supply Unit for KNX

- 1 output for KNX bus voltage, throttled, output current of max. 640 mA
- 1 output for 30 V DC, not throttled, max. 640 mA
- Overload and short circuit proof
- Reset of the bus line via button

- LEDs display status information
- Power loss < 5 W
- Installation on DIN rail 4 units, approx. 94 × 72 × 71 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz

Nº 70146	**KNX PS640 4U**	X2	**280.67 €**

KNX PS640-IP 2U Intelligent Power Supply Unit for KNX

- 1 output for KNX bus voltage, throttled, output current of max. 640 mA
- 1 output for 30 V DC, not throttled, max. 640 mA
- Overload and short circuit proof
- Diagnostic functions: Transmission of measured values (output voltage, current, temperature, bus load), counter readings, duration of events (overload, short circuit, KNX bus/device restart, operating time, duration of bus load disconnection, number of alarms) to the bus

- Configurable alarm levels, alarm group objects
- Reset of the bus line via button or remote
- Multi-coloured LEDs display status information
- Power loss < 5 W
- Installation on DIN rail 2 units, approx. 94 × 36 × 71 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz

Nº 70147	**KNX PS640-IP 2U**	X2	**450.42 €**

KNX INTERFACES, COUPLERS

KNX B4 Universal Interface

- 4 binary inputs integrate conventional push-buttons and other contacts into the KNX system
- Functions: Drive control (1 or 2 buttons), dimming, switching, sending values, counter reset, counter limit value, scenes

- Distinction between short/long command
- Installation in socket, e. g. behind a switch, dimensions approx. 42 × 43 × 11 (W × H × D mm)
- Delivery with installation instructions[2]

Nº 70251	**KNX B4 Universal**	X2	**102.52 €**

[2] Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.

KNX CP TP Area and Line Coupler

- Data exchange between a KNX TP main and sub line.
- Routing filter for group and individual telegrams (incl. button for temporary deactivation), supports long telegrams
- Suppression of configuration from the sub line to the main line
- Use as line amplifier: extension of a KNX TP line by one segment

- Functions for troubleshooting, quick commissioning and avoidance of unnecessary telegram traffic
- Integrated ACK generator
- Multi-coloured LEDs display status information
- Installation on DIN rail 2 units, approx. 90 × 36 × 71 (W × H × D, mm)
- Supply: bus voltage
- Delivery with installation instructions[2]

N° 70148	**KNX CP TP**	X2	**365.55 €**

KNX CP IP Router with Routing and Tunneling Interface

- KNXnet/IP routing
- Routing filter for group and individual telegrams (incl. button for temporary deactivation), supports long telegrams
- Suppression of configuration from the sub line to the main line
- Functions for troubleshooting, quick commissioning and avoidance of unnecessary telegram traffic

- With Ethernet interface (RJ45 connector). Allows for routing (Ethernet as fast backbone for KNX data, 4 connections), use as line coupler, tunneling (bus access over IP, remote maintenance via LAN)
- Integrated ACK generator
- Multi-coloured LEDs display status information
- Web frontend for status and diagnosis
- Installation on DIN rail 2 units, approx. 90 × 36 × 71 (W × H × D, mm)
- Supply: bus voltage
- Delivery with installation instructions[2]

N° 70149	**KNX CP IP**	X2	**492.44 €**

KNX RF

Power supply
230 V AC

Optional Accessory:
STAK/STAS connectors   p.12

KNX RF-MSG-ST Motor Control Unit

- Actuator for KNX RF with 1 drive output (230 V AC)
- Motor run time variable by ETS parameters or active current metering
- Position feedback and storage, scenes
- Retransmitter function (forwarding of all received KNX RF telegrams)

- Housing with STAS3 plug and STAK3 connector
- Approx. 147 × 36 × 29 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz
- Configuration with ETS, KNX RF S-Mode
- Delivery with installation instructions[2]

N° 70711	**KNX RF-MSG-ST**	X2	**174.79 €**

reddot award 2017 winner
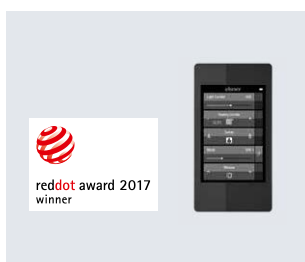
Optional Accessory:
USB charging set, N° 10155   p. 16

Remo KNX RF Remote Control

- Hand-held transmitter with touch control panel for KNX RF
- 32 channels
- Functions: switching, dimming, light colour RGBW, light colour temperature, moving drives (awning, blinds, roller shutters, windows), temperature change (for heating / cooling), scenes, operating media technology, value display

- Configuration with ETS, KNX RF S-Mode
- Housing plastic black, real glass
- Approx. 64 × 122 × 11 (W × H × D, mm)
- Power supply: Lithium battery, rechargable via USB 2.0 Micro B charger
- Delivery with installation instructions[2]

N° 70747	**Remo KNX RF** 2.0	X2	**317.65 €**

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[2] Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.

KNX TRAINING ACESSORIES

KNX Training Kit "Basic" for KNX Training Centres

- Case with all devices required for certified KNX Basic Trainings in the KNX Training Centre
- Lockable, telescopic handle, wheels
- Labelling in English

Devices:
- Power supply and IP router
- Multifunctional switching/shutter actuator, display LEDs

- Dimming actuator with lamp
- Wireless blind actuator, display LEDs
- KNX TP/RF media coupler
- Bus push-button for switching, dimming (relative) and drive control
- Radio USB stick for setting up KNX RF
- Mains cable for the case with plug type E+F (CEE 7/7) and adapters for D (BS 546, 5 A) and G (BS 1363)

Nº 5107	**KNX Training Kit "Basic"**	X0	**1600.00 €**

ACCESSORIES

ACCESSORIES – SENSORS FOR CONECTION TO INPUTS

T-NTC Temperature Sensor

- Temperatur plug probe for in-/outdoor applications
- Measurement range -35°C...+100°C
- Cable length approx. 3 m; Length of sensor sleeve approx. 32 mm, Ø approx. 6 mm
- For Cala Touch KNX, A/D inputs of actuators and T6-UN-B4

Nº 30516	**T-NTC**	X1	**47.56 €**

T-KTY82 Temperature Sensor

- Temperatur plug probe for in-/outdoor applications
- Cable length approx. 187 mm; Length of sensor sleeve approx. 32 mm, Ø approx. 6 mm

Nº 305	**T-KTY82**	X1	**21.43 €**

ACCESSORIES – FOR INSTALLATION

eTR Surface Mount Housing

- Cap for surface installation of devices of the eTR series (KNX, Modbus)
- Dimensions approx. 78.5 × 78.5 (W × H, mm). Mounting depth approx. 19 mm. Total depth including eTR device approx. 27.5 mm

Nº 30190	**eTR surface mount housing** signal white RAL 9003	X2	**13.95 €**

ST Power Plug Connector Set

- STAK3, STAS3, STASI
- STAK/STAS Connection cables see p. 12

Nº 30234	**ST Power Plug connector set** (Article of trade)	X1	**28.82 €**

ACCESSORIES – FOR MOUNTING OF WEATHER STATIONS

Worm Drive Hose Clips

- For pole mounting of sensors type P04/Suntracer sl (with 1 clip) and of the large hinge arm (with 2 clips)
- Diameter 40-60 mm

Nº 30232	**Clips** for pole mounting, 2 pieces. (Article of trade)	X1	**5.38 €**

Stainless steel mounting strap

- For pole mounting of sensors type P03/Solexa/ Suntracer (with 2 mounting straps) and Vari (with 1 mounting strap)

Nº 30235	**Stainless steel mounting strap** for pole mounting, 2 pieces (Article of trade)	X1	**7.98 €**

PG: price group. All prices in €, exclusive VAT, shipping and packing extra. Shipping per parcel service ex stock. Technical modifications and errors reserved. Prices valid from 12.12.2023.

Hinge Arm large

Arm L

Flex S

Flex S+

Flex L

Flex L+

Fix

Fix P
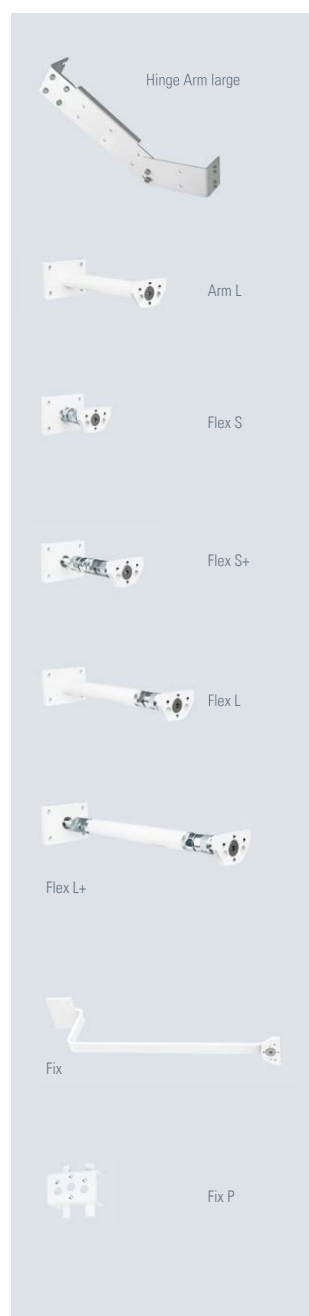
Mounting Arms/Mounts for Weather Stations

- For flexible mounting of Elsner Elektronik weather stations and sensors

Hinge Arm large:
- For wall / pole / beam mounting
- 1 hinge, total length approx. 420 mm
- Available powder-coated RAL 9016 (traffic white) or aluminium blank
- For P03 / Solexa / Suntracer models

Arm L:
- For wall mounting
- No joints, total length approx. 163 mm
- Powder-coated RAL 9003
- For P03/Solexa/Suntracer, P04/Suntracer sl, Windancer and Vari models

Flex S:
- For wall mounting
- 1 ball joint (25°), total length approx. 64 mm
- Powder-coated RAL 9003 (signal white)
- For P03/Solexa/Suntracer, P04/Suntracer sl, Windancer and Vari models

Flex S+:
- For wall mounting
- 2 ball joints (25° each), total length approx. 116 mm
- Powder-coated RAL 9003 (signal white)
- For P03/Solexa/Suntracer, P04/Suntracer sl, Windancer and Vari models

Flex L:
- For wall mounting
- 1 ball joint (25°), total length approx. 215 mm
- Powder-coated RAL 9003 (signal white)
- For P03/Solexa/Suntracer, P04/Suntracer sl, Windancer and Vari models

Flex L+:
- For wall mounting
- 2 ball joints (25° each), total length approx. 267 mm
- Powder-coated RAL 9003 (signal white)
- For P03/Solexa/Suntracer, P04/Suntracer sl, Windancer and Vari models

Fix:
- For wall mounting
- Total length approx. 425 mm.
- Available powder-coated RAL 9003 (signal white) or aluminium blank
- For P03/Solexa/Suntracer, P04/Suntracer sl, Windancer and Vari models

Fix P:
- For pole mounting
- Approx. 55 × 58 × 30 (W × H × D, mm)
- Powder-coated RAL 9003 (signal white)
- For P03/Solexa/Suntracer, P04/Suntracer sl, Windancer and Vari models

N° 30109	**Hinge Arm large** RAL 9016	X1	98.32 €
N° 30111	**Hinge Arm large** blank	X1	74.79 €
N° 30112	**Arm L** no joints	X1	117.65 €
N° 30119	**Flex S** 1 ball joint	X1	131.93 €
N° 30120	**Flex S+** 2 ball joints	X1	175.10 €
N° 30115	**Flex L** 1 ball joint	X1	168.91 €
N° 30116	**Flex L+** 2 ball joints	X1	221.01 €
N° 30127	**Fix** RAL 9003	X1	77.31 €
N° 30128	**Fix** blank	X1	65.55 €
N° 30129	**Fix P** RAL 9003	X1	37.31 €

ELSNER ELEKTRONIK – smart building technology

Building automation technology "Made in Ostelsheim"

Elsner Elektronik has been standing for intelligent solutions in the sector of automatic control systems and building automation since 1990. All products of Elsner are developed and manufactured at the company headquarters in Ostelsheim. Highly qualified staff and advanced technology guarantee for a continuously high quality standard.

Elsner Elektronik offers complete systems for the control of the ambient climate in buildings as well as individual components for different data interfaces (KNX, RS485, Modbus). Central operating devices, weather and indoor sensors, actuators or system devices – All products combine flexible technical solutions, comfortable operation and a forward-looking design.

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