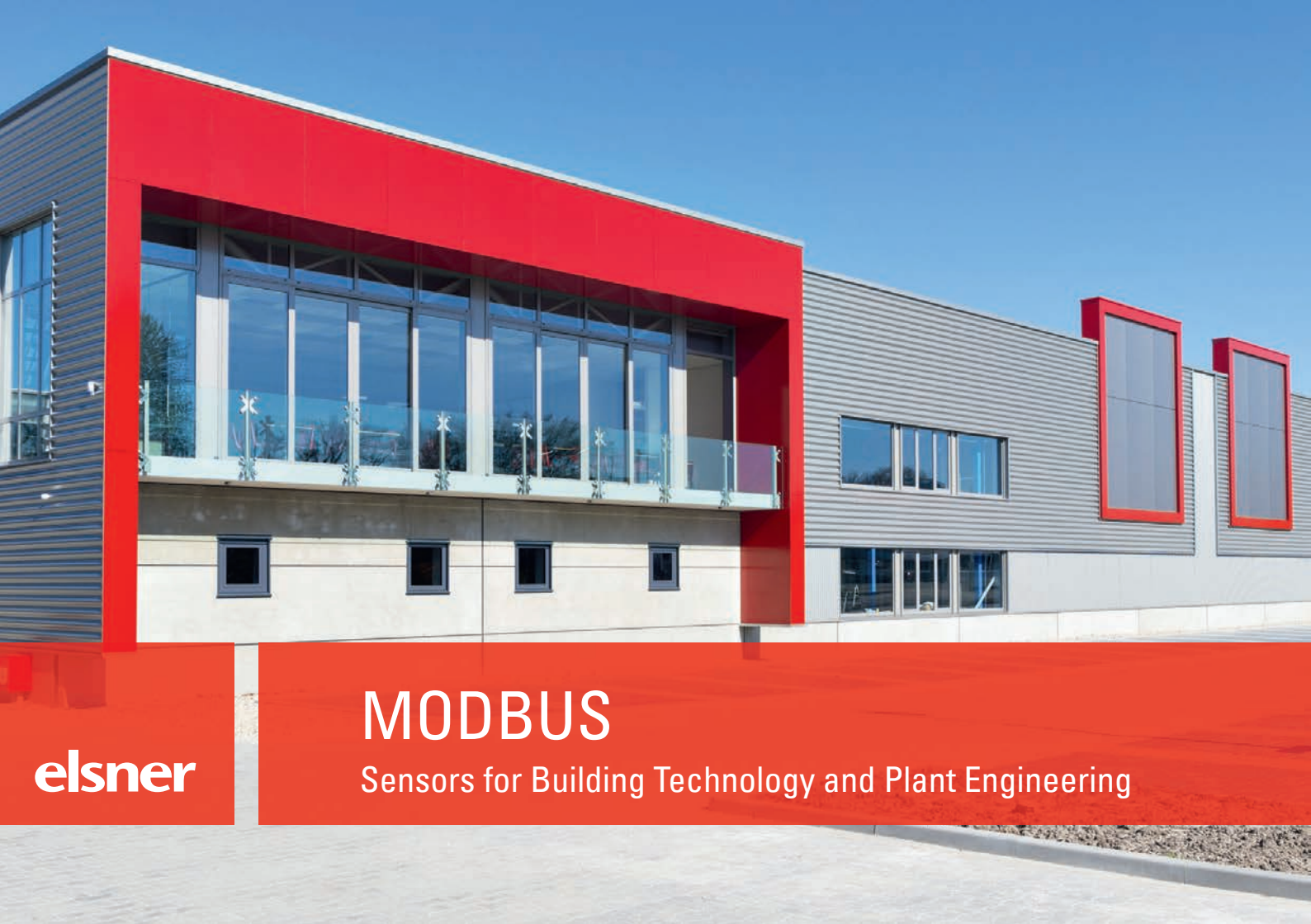

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MODBUS

Sensors for Building Technology and Plant Engineering

WEATHER STATIONS P03/3-MODBUS

The weather stations provide weather data for Modbus systems. The sensors of the compact devices use state-of-the-art technology: The electronic WIND SENSORS work silently and reliably, even in hail, snow and sub-zero temperatures. Air turbulence and rising winds in the area of the device are also detected.

The BRIGHTNESS SENSORS detect not only sunshine but also twilight. Filters simulate the sensitivity spectrum of the human eye.

The measuring surfaces of the PRECIPITATION SENSORS are heated, so that moisture dries out immediately. On the one hand, this prevents false alarms caused by fog or dew. On the other hand, the sensor quickly detects when it has stopped raining or snowing.

A GPS RECEIVER not only provides the local time for the calendar and weekly timer worldwide, the data is also the basis for sun position dependent shading control.

- Temperature sensor (-40…+80°C)
- 3 Brightness sensors (east, south, west, 0...99 000 lx)
- Electronic wind speed sensor
- Precipitation sensor with 1.2 Watt heating
- Modbus communication RTU
- Surface mount housing IP 44, white/translucent
- Dimensions approx. 96 x 77 x 118 (w x h x d, mm)
- Operating voltage: 24 V DC ±10%

P03/3-MODBUS-GPS No. 30147
- GPS receiver for international time signal UTC and position
- Calculation of sun position (azimuth/elevation)

P03/3-MODBUS No. 30146
- Without time signal

ACCESSORIES FOR MOUNTING WEATHER STATIONS

Arms and brackets for P03/3-Modbus weather stations

Mounting arm Flex S
No. 30119

Mounting arm Flex L
No. 30115

Mounting arm Flex L+
No. 30116

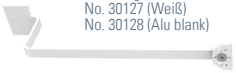
Mounting arm L
No. 30112

Mounting Arms Flex with ball joint

- For wall mounting
- RAL 9003 powder-coated
- High quality, fixable ball joints
- Flex S: 1 ball joint,
  total length approx. 64 mm
- Flex L: 1 ball joints,
  total length approx. 215 mm
- Flex L+: 2 ball joints,
  total length approx. 267 mm

Mounting Arm L

- For wall mounting
- RAL 9003 powder-coated
- Total length approx. 163 mm
  (no joints)



Mounting arm Fix
No. 30127 (Weiß)
No. 30128 (Alu blank)

Pole mount Fix P
No. 30129

Hinge arm large
No. 30109 (white)
No. 30111 (alu blank)

Mounting Arm Fix

- Available RAL 9003 powder-coated
  or aluminium blank
- Total length approx. 425 mm

Pole Mount Fix P

- RAL 9003 powder-coated
- Dimensions approx. 55 x 58 x 30
  (w x h x d, mm)

Hinge Arm large

- For wall, pole or beam mounting
- Available RAL 9016 powder-coated
  or aluminium blank
- 1 hinge, total length approx. 420 mm

TEMPERATURE/HUMIDITY SENSOR

Due to its rugged housing and protection class, the thermo-hygrometer is suitable for outdoor use, but can also be used indoors, for example in production facilities.

TH-AP MODBUS No. 30170

- Temperature sensor (-40…+80°C)
- Humidity sensor
- Calculation of dewpoint temperature
- For indoor and outdoor use
- Modbus communication RTU
- Surface mount housing IP 65, grey
- Dimensions approx. 65 x 93 x 38 (w x h x d, mm)
- Operating voltage: 24 V DC ±10%

INDOOR SENSORS SEWI MODBUS

The interior sensors detect the room climate and thus create the basis for automatic control by the Modbus client. With the aid of the dew point calculation, the formation of condensation on building and plant components can be foreseen and countermeasures taken.

- For indoor use
- Modbus communication RTU
- Surface mount housing IP 30
- Diameter approx. 105 mm, height 32 mm
- Operating voltage: 24 V DC ±10%

GERMAN DESIGN AWARD SPECIAL 2016

DESIGN AWARD 2016

Focus Open 2015
Special Mention

SEWI AQS/TH MODBUS No. 30174
- CO_2 sensor (0…2000 ppm)
- Temperature sensor (0…+50°C)
- Humidity sensor
- Calculation of dewpoint temperature

SEWI TH MODBUS No. 30175
- Temperature sensor (-40…+80°C)
- Humidity sensor
- Calculation of dewpoint temperature

TEMPERATURE OPERATING UNIT eTR 101 MODBUS

With the switch-sized eTR 101 Modbus, the user sets the desired target temperature individually. Large symbols provide easy and intuitive access to building technology. The integrated sensor invisibly records the room temperature.

eTR 101 MODBUS
No. 30180 (signal white RAL 9003)
No. 30181 (jet black RAL 9005)

- Touch buttons for setting the target temperature
- Temperature sensor

- For indoor use
- Modbus communication RTU
- Mounting on surface or on a switch socket
- Dimensions approx. 81.5 mm x 81.5 mm
- Operating voltage: 24 V DC ±10%

eTR SURFACE MOUNT HOUSING
Nr. 30190 (signal white RAL 9003)

- Housing for surface-mounting of eTR 101 Modbus
- Provided cable openings: one at top/bottom, two at right/left

- Dimensions approx. 78.5 × 78.5 (W × H, mm). Mounting depth approx. 19 mm. Total depth including eTR device approx. 27.5 mm

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smart building technology

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from the manufacturer

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