WINDANCER KNX

KNX Weather Stations for Smart Blind Control

Bastian Elsner | 04.06.2025

I am your speaker today

Bastian Elsner

- Managing Partner at
  Elsner Elektronik GmbH
- Responsibility: marketing, sales, development, production, purchasing, logistics, service

Windancer KNX

| Short video

Watch the Windancer KNX video and many others on our YouTube channel!

► To the Windancer video

AGENDA

1. Elsner Elektronik in profile
2. Weather stations in overview
3. Windancer – Sensors and functions
4. Installation & connection and accessories
5. KNX application, parameters
6. Application examples

elsner | academy

01 | COMPANY PROFILE

Weather stations & outdoor sensors from the specialist!

| Company profile

- Products and solutions for intelligent buildings and a smart home
- Internationally recognised for weather stations and sensor technology
- Over 30 years of expertise in safe and comfortable living spaces of the future
- Focus on open standards: KNX, but also Modbus, RS485, DALI, Matter and conventional control technology
- Sustainable quality ‘Made in Germany’
- Family-run with a partnership-based ecosystem

02 | WEATHER STATIONS OVERVIEW

KNX Weather Stations

| Overview

Suntracer KNX pro

- High performance
- Ultrasonic technology
- Automates up to 12 facades

Windancer KNX

- Mechanical wind sensor
- GPS optional
- Conventional applications
- Power supply via KNX bus possible

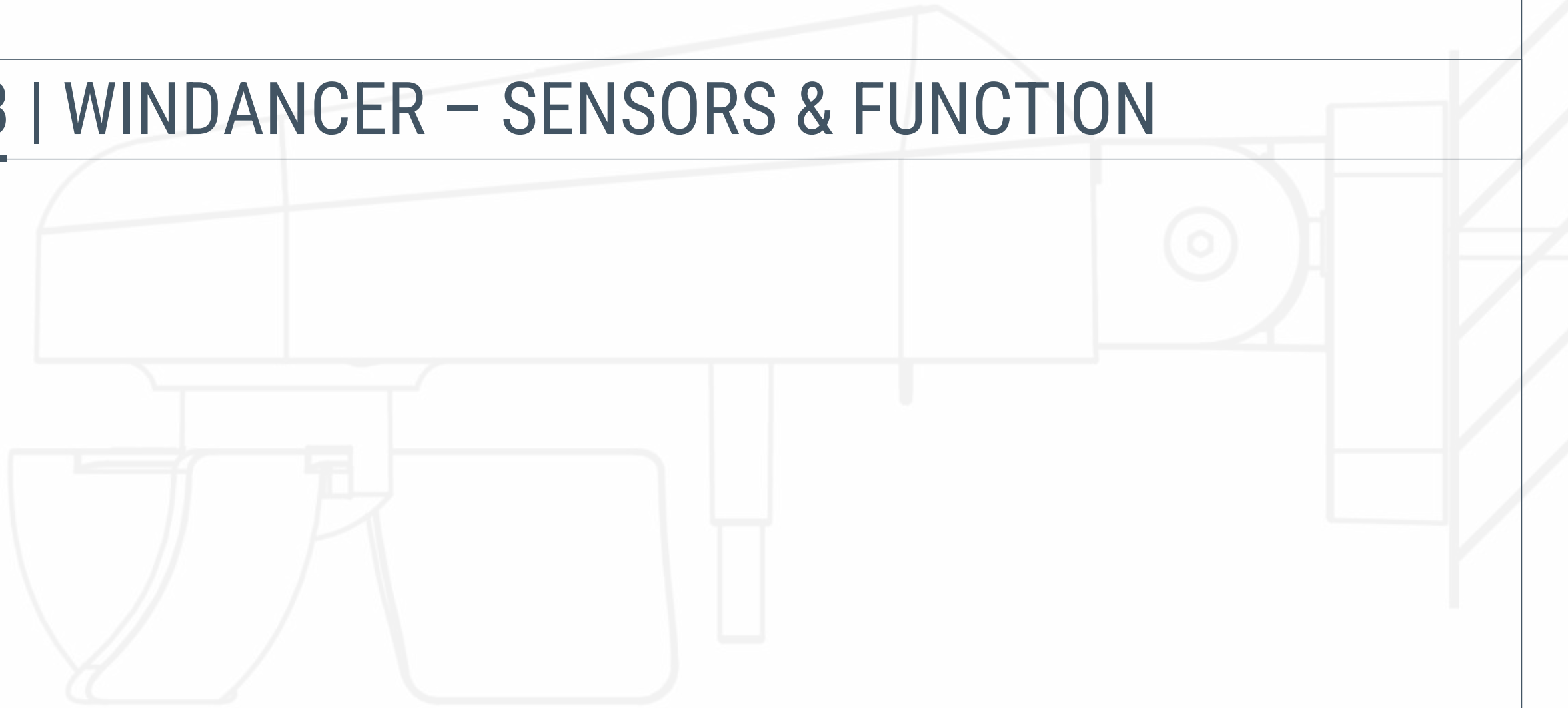
Suntracer KNX sl (light, basic)

- Broad spectrum
- Electronic wind measurement
- Design-orientated, ‘invisible’

P04 KNX GPS

- Measuring sensor
- Without automatic and logic
- Efficient application

03 | WINDANCER – SENSORS & FUNCTION



Windancer weather station

| Item number: 71235 and 71236 (GPS)

Physikalische Messgrößen

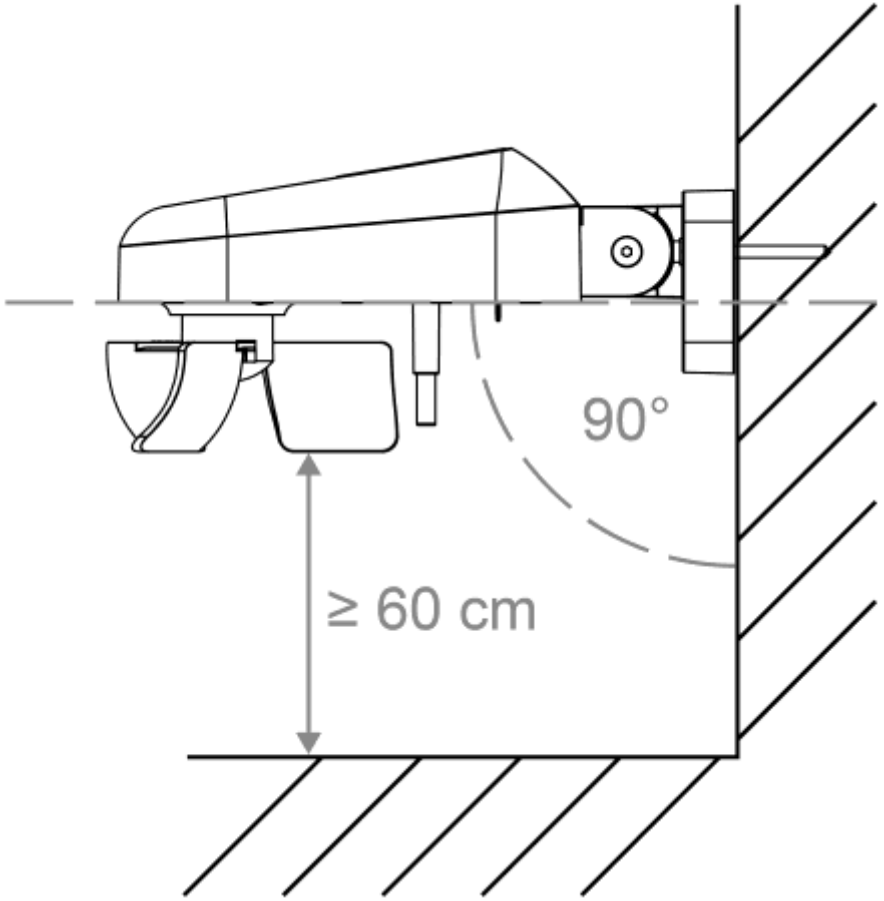
- Brightness
- Wind
- Precipitation
- Temperature
- Time reception/GPS with Windancer KNX-GPS

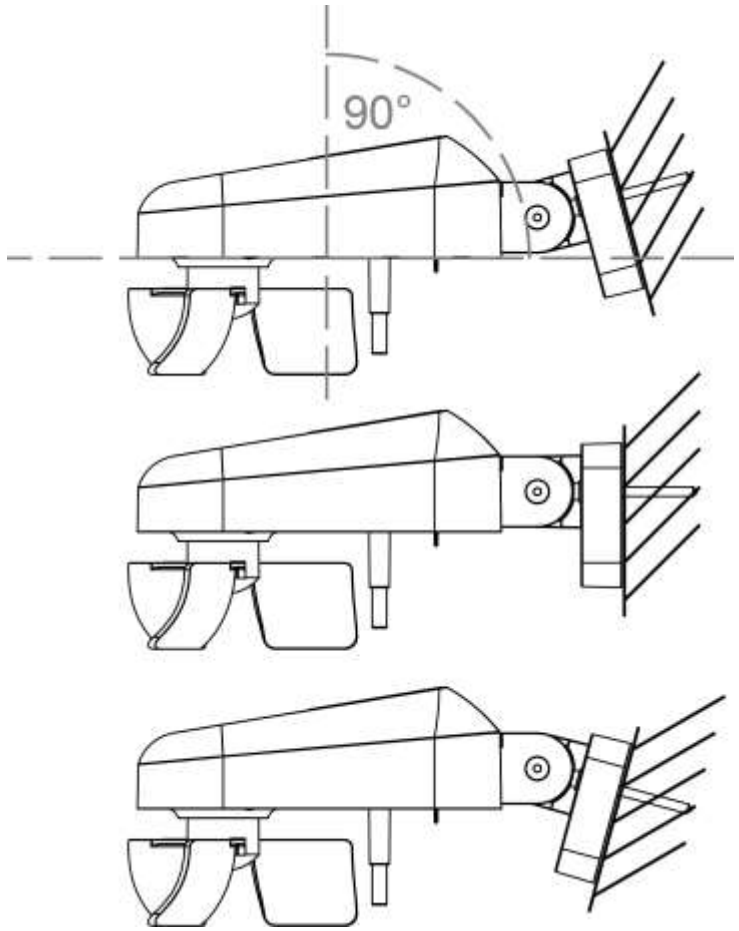
Application

- Logic gate
- Facade control with Windancer KNX-GPS

04 | INSTALLATION AND CONNECTION

Installation





Installation accessories

| Scope of delivery

- 1× Weather station

Installation accessories

- 2× stainless steel pan head screw, 2× dowel, 2× washer V2A

Connection accessories:

- 1× plug-in terminal and 1× plug-in terminal (white/yellow)

Installation accessories

| Optional accessories

Optional accessories

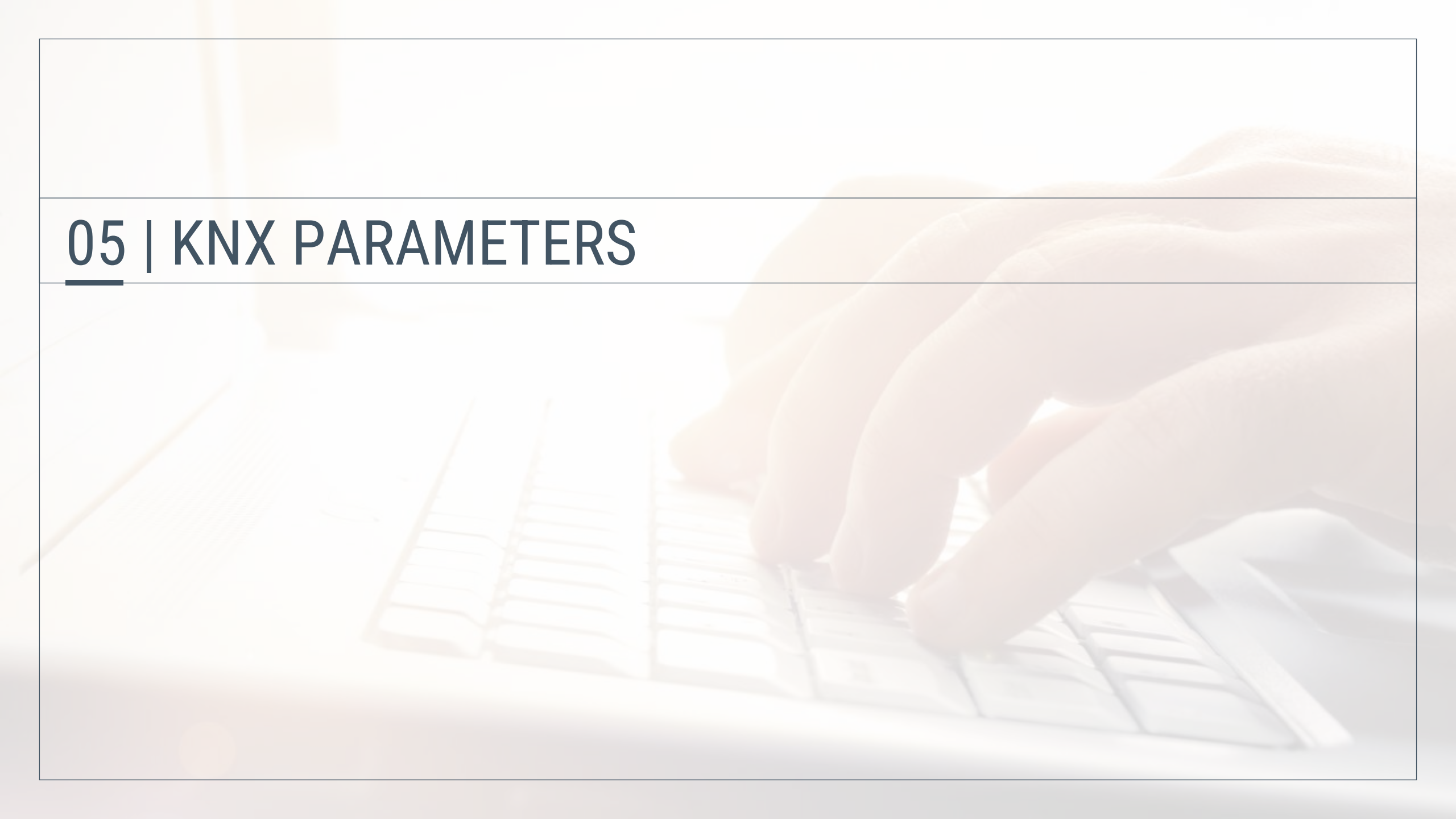
- Mounting arm Fix
- Mounting arm L
- Fix P

Windancer

Elsner Elektronik

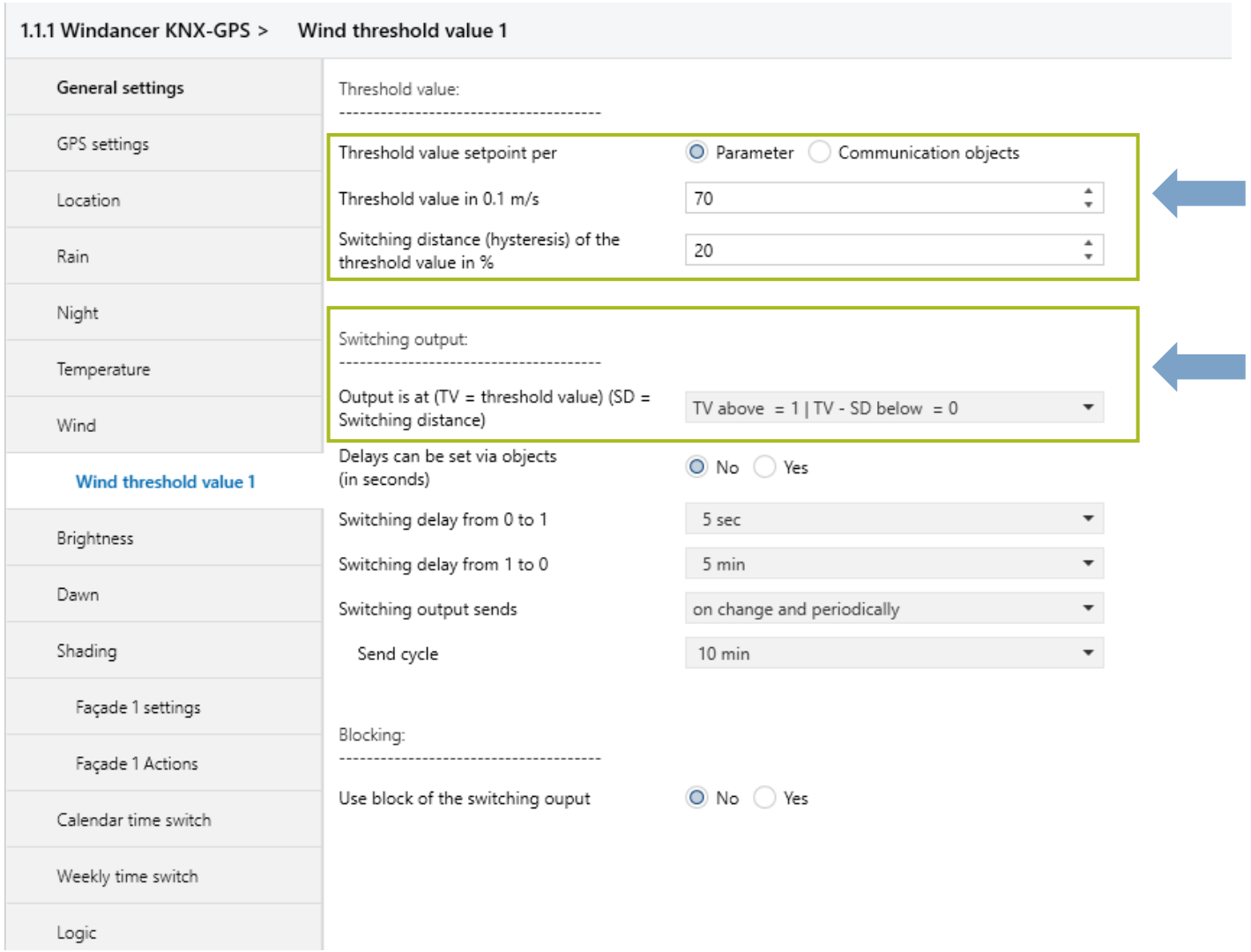
Do you have any questions about sensor technology or installation?

05 | KNX PARAMETERS



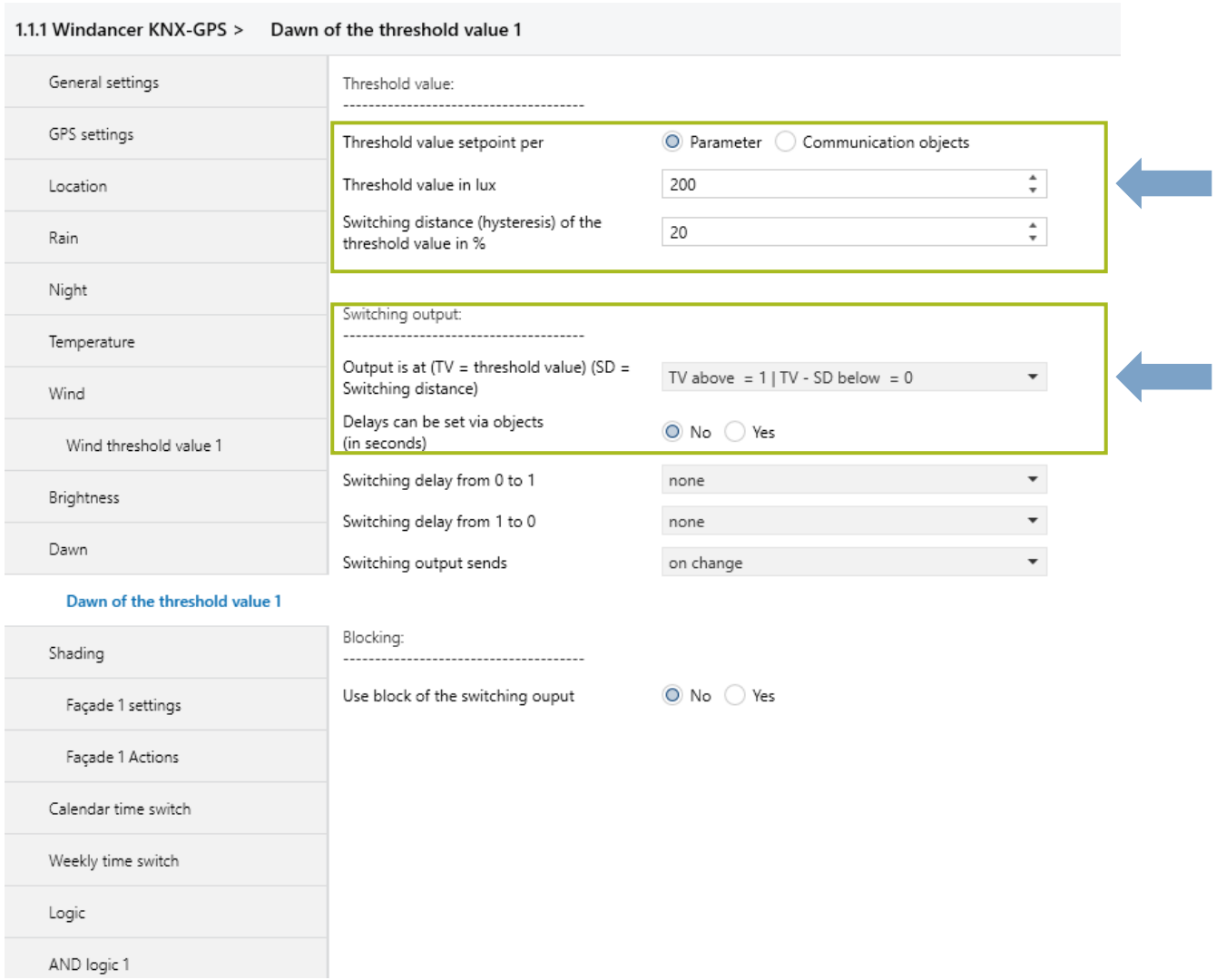
KNX application: Threshold value wind

| ETS



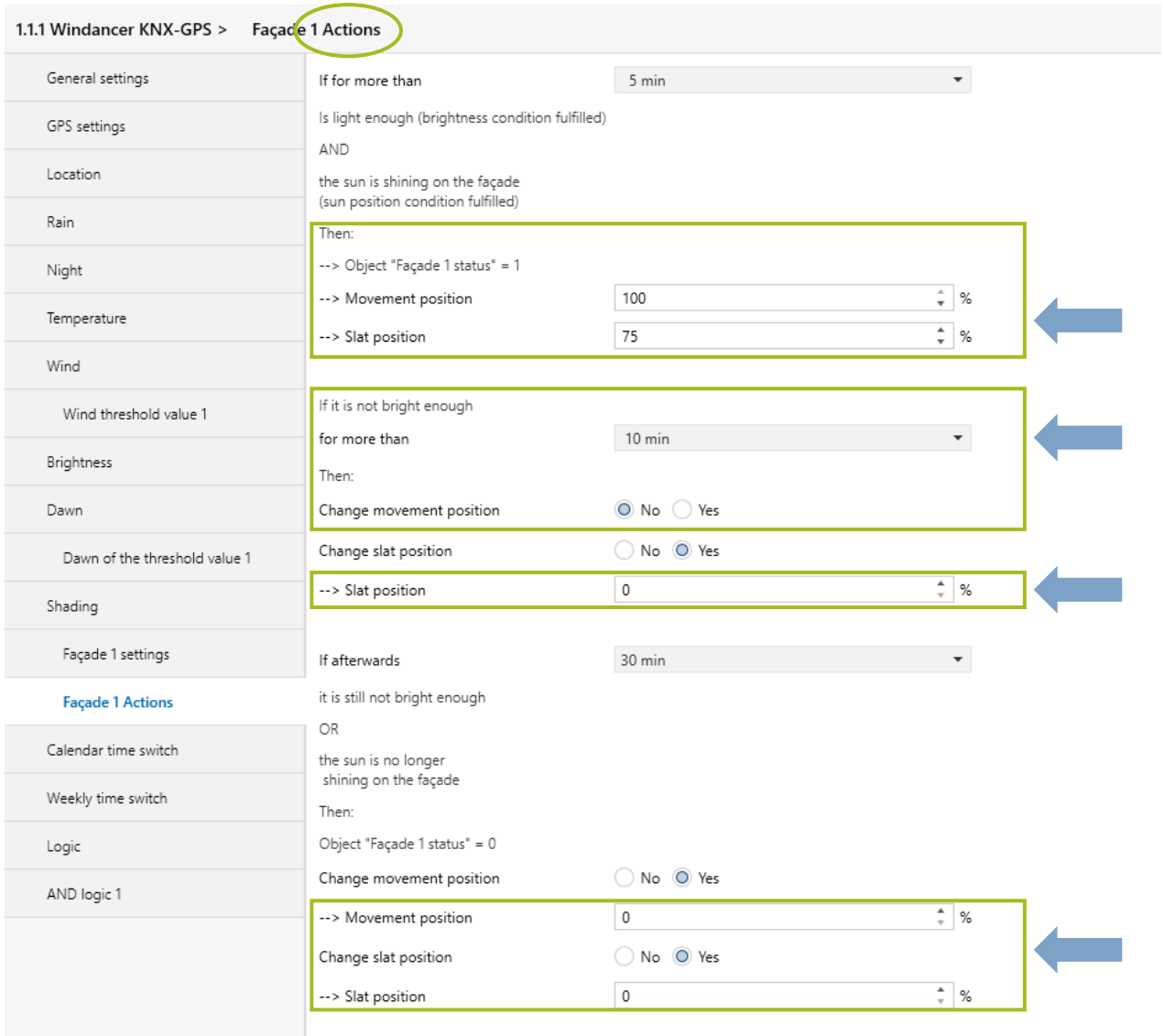
KNX application: Brightness threshold value

| ETS



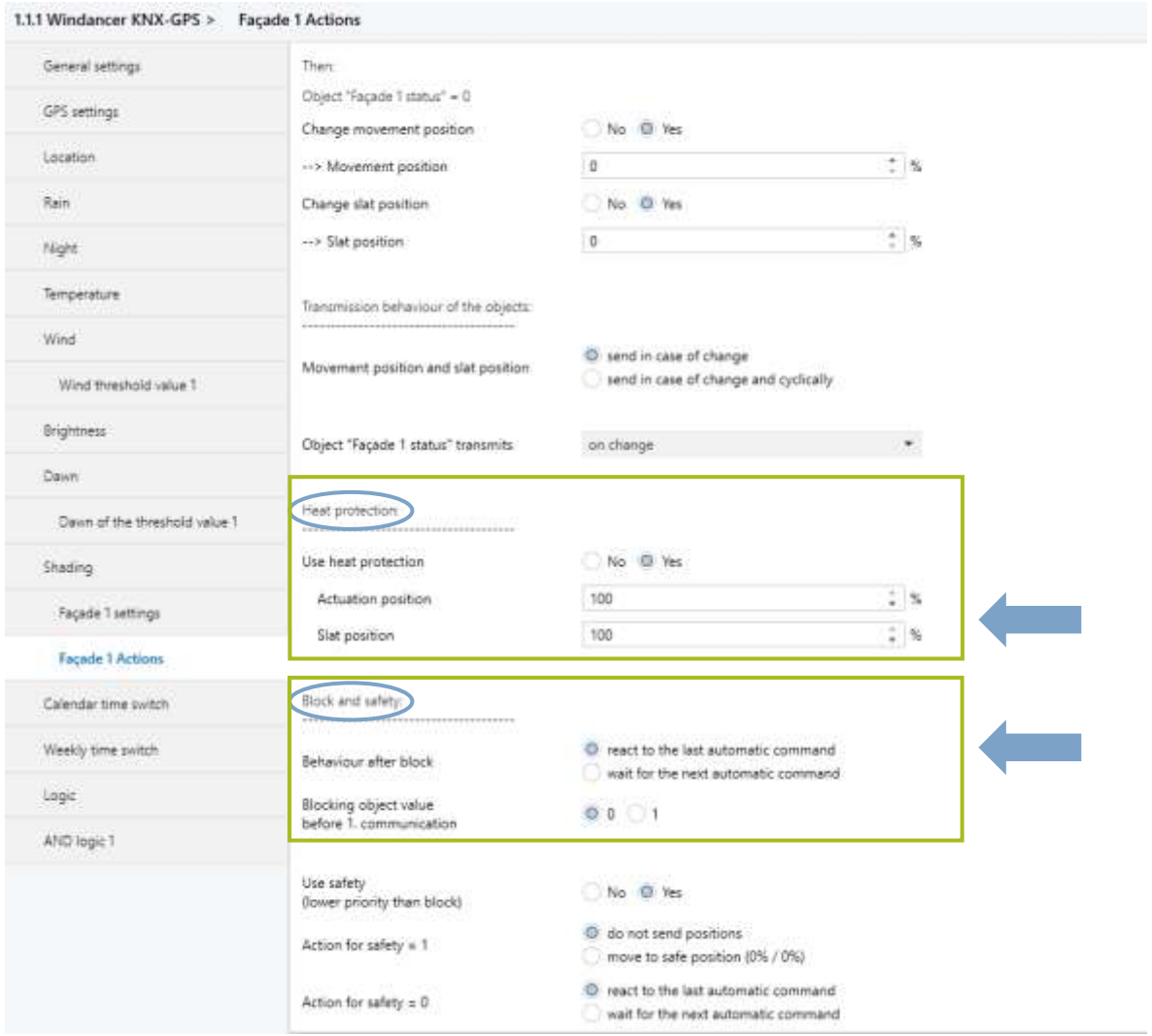
KNX application: Façade control 1/2

ETS



KNX application: Façade control 2/2

ETS

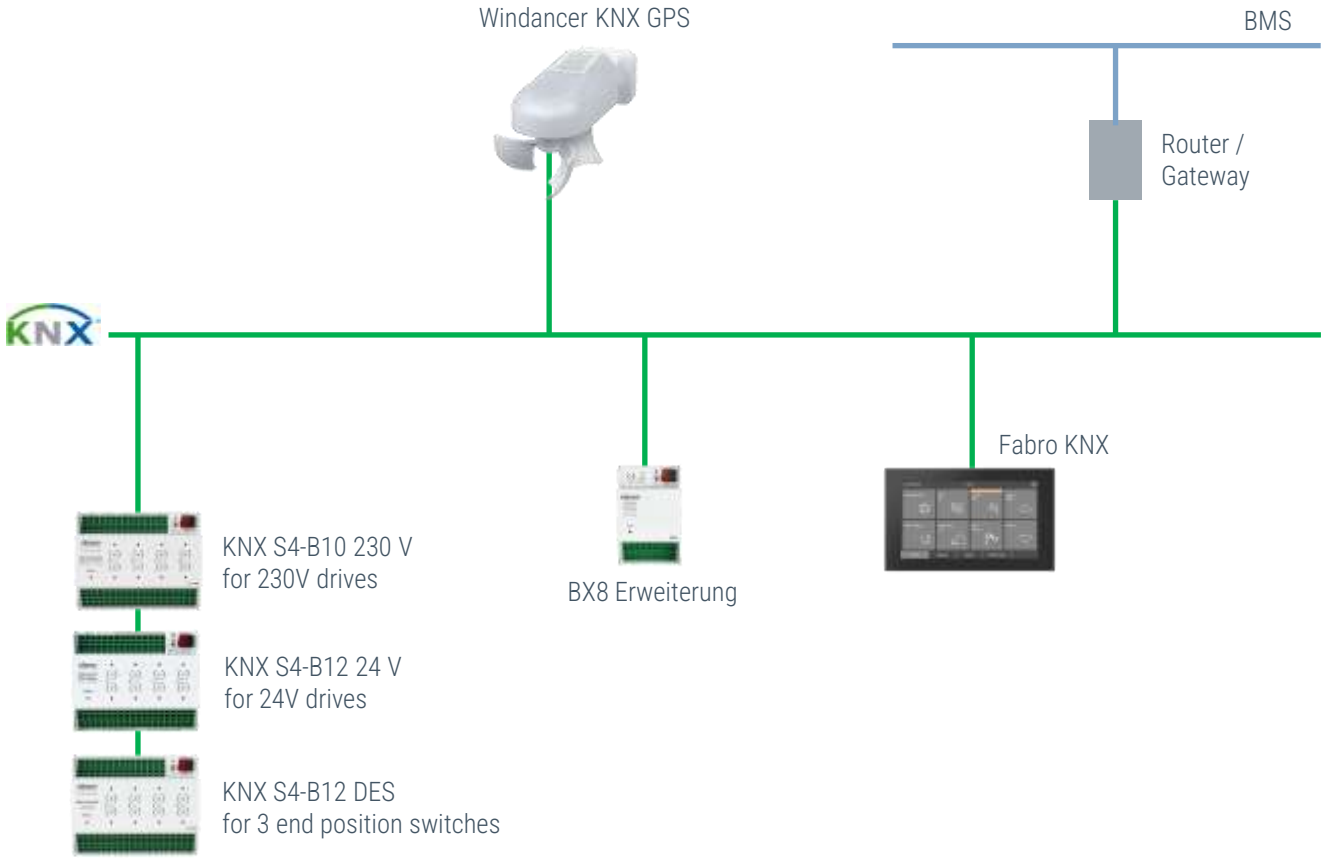


Do you still have questions about the KNX parameters?

06 | APPLICATION EXAMPLES

Prinzip-Darstellung

| Anwendungsbeispiel



- Windancer
- To control the actuators
- Extension with BX8 KNX by up to 8 façades
- Operation also via Fabro KNX display
- Connection option for transmitting the weather data and status of the façade to the building management system

WISHES, SUGGESTIONS & FEEDBACK

Contact me!
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You can find more webinars & recordings here

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