

elsner

CATALOG

as of 12.12.2023

CONTROL SYSTEMS FOR BUILDINGS, CONSERVATORIES AND PATIO ROOFS

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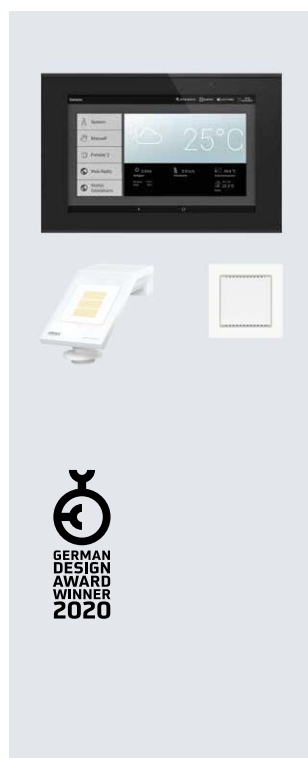
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CONTROL SYSTEMS FOR BUILDINGS, CONSERVATORIES AND PATIO ROOFS

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 tem- perature, 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, bright- ness, wind velocity, precipitation	temperature, bright- ness, wind velocity, precipitation	temperature, bright- ness, wind velocity, precipitation	temperature, bright- ness, wind velocity, precipitation	temperature, bright- ness, wind velocity, precipitation	temperature, bright- ness, 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

N° 60241	WS1000 Connect-4 , 4 drive outputs
N° 60242	WS1000 Connect-6 , 6 drive outputs
N° 60243	WS1000 Connect-8 , 8 drive outputs
N° 60244	WS1000 Connect-10 , 10 drive outputs
N° 60246	WS1000 Connect-10 PF , 10 potential-free drive outputs



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

WS1000 Style continued on next page

Continued from WS1000 Style

Optional accessories:

Radio remote controls	p. 10
Radio control modules	p. 11
Radio sensors	p. 14
RF-Antenna	p. 14
Weather sensors	p. 15
Adapter plugs	p. 15

N° 60201	WS1000 Style-4 white, 4 drive outputs
N° 60202	WS1000 Style-6 white, 6 drive outputs
N° 60203	WS1000 Style-8 white, 8 drive outputs
N° 60204	WS1000 Style-10 white, 10 drive outputs
N° 60206	WS1000 Style-4 black, 4 drive outputs
N° 60207	WS1000 Style-6 black, 6 drive outputs
N° 60208	WS1000 Style-8 black, 8 drive outputs
N° 60209	WS1000 Style-10 black, 10 drive outputs
N° 60214	WS1000 Style-10 PF white, 10 potential-free drive outputs

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

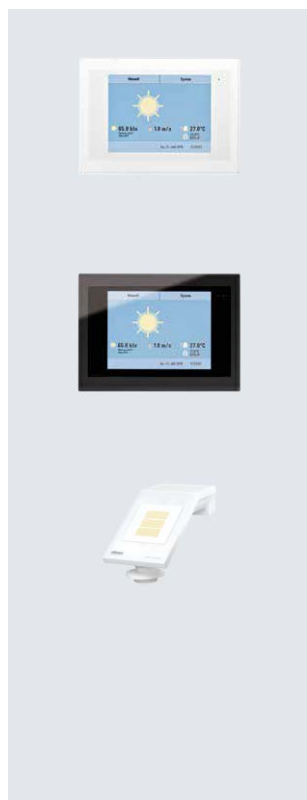
Central unit:

- 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)

**Optional accessories:**

Radio remote controls	p. 10
Radio control modules	p. 11
Radio sensors	p. 14
RF-Antenna	p. 14
Weather sensors	p. 15
Surface-mounted housing, N° 60157	p. 15

N° 60180	WS1 Style-0 white, without drive outputs
N° 60181	WS1 Style-1 white, 1 drive output
N° 60182	WS1 Style-2 white, 2 drive outputs
N° 60183	WS1 Style-3 white, 3 drive outputs
N° 60184	WS1 Style-4 white, 4 drive outputs
N° 60185	WS1 Style-0 black, without drive outputs
N° 60186	WS1 Style-1 black, 1 drive output
N° 60187	WS1 Style-2 black, 2 drive outputs
N° 60188	WS1 Style-3 black, 3 drive outputs
N° 60189	WS1 Style-4 black, 4 drive outputs
N° 60194	WS1 Style-4 PF white, 4 potential-free drive outputs

**Optional accessories:**

Radio remote controls	p. 10
Radio control modules	p. 11
Radio sensors	p. 14
RF-Antenna	p. 14
Weather sensors	p. 15
Adapter plugs	p. 15

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

N° 60121	WS1000 Color-4 white, 4 drive outputs
N° 60122	WS1000 Color-6 white, 6 drive outputs
N° 60123	WS1000 Color-8 white, 8 drive outputs
N° 60124	WS1000 Color-10 white, 10 drive outputs
N° 60125	WS1000 Color-4 alu, 4 drive outputs
N° 60126	WS1000 Color-6 alu, 6 drive outputs
N° 60127	WS1000 Color-8 alu, 8 drive outputs
N° 60128	WS1000 Color-10 alu, 10 drive outputs

**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)

WS1 Color continued on next page

Continued from WS1 Color

Optional accessories:

Radio remote controls	p. 10
Radio control modules	p. 11
Radio sensors	p. 14
RF-Antenna	p. 14
Weather sensors	p. 15
Surface-mounted housing, N° 60157	p. 15

N° 60145	WS1 Color-0 white, without drive outputs
N° 60135	WS1 Color-1 white, 1 drive output
N° 60136	WS1 Color-2 white, 2 drive outputs
N° 60137	WS1 Color-3 white, 3 drive outputs
N° 60138	WS1 Color-4 white, 4 drive outputs
N° 60146	WS1 Color-0 alu, without drive outputs
N° 60139	WS1 Color-1 alu, 1 drive output
N° 60140	WS1 Color-2 alu, 2 drive outputs
N° 60141	WS1 Color-3 alu, 3 drive outputs
N° 60142	WS1 Color-4 alu, 4 drive outputs

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

N° 10150	Solexa II-Set (1 weather station and 1 display)
N° 10144	Solexa II-Display

Optional accessories:

USB charging set, N° 10155	p. 16
Radio remote controls	p. 10
Radio control modules	p. 11
Wi-Fi Interface SOL	p. 11

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

N° 10154	Wi-Fi Interface SOL
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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

N° 10110	Solexa 230 V white matt (similar to RAL 9016)
N° 10130	Solexa 230 V aluminium matt brush finished
N° 10131	Solexa 230 V pearl dark grey matt brush finished

Optional accessories:

Radio remote controls	p. 10
Connection cable set	p. 10

**Optional accessories:**

Radio remote controls	p. 10
Connection cable set	p. 10

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

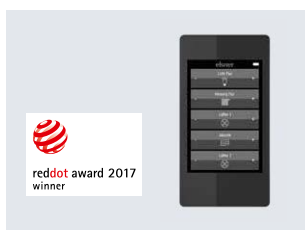
N° 10115 **Arexa 230 V** white matt (similar to RAL 9016)

**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)

N° 10113 **Cable Set** for Solexa/Arexa

RADIO REMOTE CONTROLS, RADIO PUSH BUTTONS

**Optional accessories:**

USB charging set, N° 10155	p. 16
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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

N° 60522 **Remo pro**

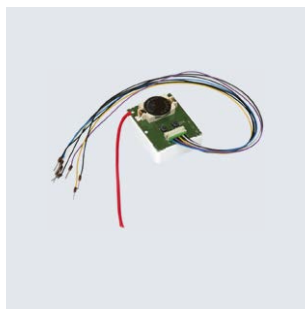
**Remo® 8 Radio Remote Control**

- 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

N° 60511 **Remo 8** white

N° 60512 **Remo 8** alu



RF-B2-UP Push Button Interface

- Connections for 2 wall push buttons (up/down or on/off)
- For Controls WS1 / 1000 Color / Style / Connect, Sol-exa 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. $38 \times 47 \times 29$ (W $\times$ H $\times$ 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

N° 60540 **RF-B2-UP**

RADIO CONTROL UNITS, F-CON

Optional accessories for all radio control units:

Radio Remote Controls

p. 10

STAK/STAS Connection Lines and Mains Line

p. 12

Central Controls for Buildings, Conservatories

p. 6



Radio Heating Module RF-HE-ST **F-Con**

- 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. $147 \times 36 \times 29$ (W $\times$ H $\times$ D, mm)

RF-HE-ST IP54:

- IP 54, approx. $147 \times 49 \times 32$ (W $\times$ H $\times$ D, mm)

N° 60546 **RF-HE-ST IP53**

N° 60569 **RF-HE-ST IP54**



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

- 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. $147 \times 36 \times 29$ (W $\times$ H $\times$ D, mm)

RF-MSG-ST IP54:

- IP 54, approx. $147 \times 49 \times 32$ (W $\times$ H $\times$ D, mm)

N° 60535 **RF-MSG-ST IP53**

N° 60543 **RF-MSG-ST IP54**



RF-L LED-ST Radio Dimmer for LED **F-Con**

- Dimmer for 1 lamp (or a group of lamps) in conjunction 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**

N° 60557 **RF-L LED-ST IP54**

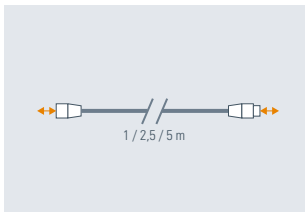


RF-L-DST 1-10 V Radio Dimmer for EVG and low voltage technology **F-Con**

- Dimmer for 1 lamp (or one group of lamps)
- For lamps with electronic enhanced 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**



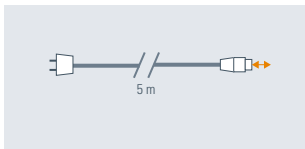
Connection Lines **F-Con**

- STAS3 on STAK3, with STASI security clip

N° 60565 **Connection line** 1 m

N° 60566 **Connection line** 2.5 m

N° 60567 **Connection line** 5 m



Mains Line **F-Con**

- Shockproof socket outlet with STAK3 output and STASI security clip

N° 60563 **Mains line** 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 enhanced 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**

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 × 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 (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**

N° 60529 **RF-Router-N**



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**

RADIO SENSORS

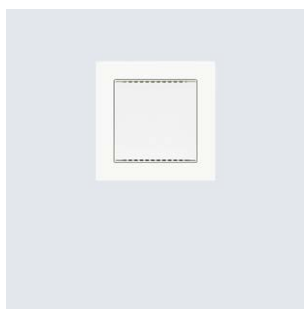


WGT Temperature Sensor

- 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**



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



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

N° 20551 **WGTH-UP** aluminium coloured

WEATHER SENSORS FOR CONTROL UNITS



Optional accessories:

Mounting of Weather Stations p. 62

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

N° 30136

P04i-GPS



Optional accessories:

Mounting of Weather Stations p. 62

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

N° 30114

P03i-GPS



Optional accessories:

Mounting of Weather Stations p. 62

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

N° 30107

P03/3

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

N° 60130

Adapter Plugs WS1000 Color 2 pieces



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

N° 60155

Surface-mounted housing WS1 Color, white

N° 60156

Surface-mounted housing WS1 Color, aluminium coloured

N° 60157

Surface-mounted housing WS1 Style



Surface Mount Housing for Indoor Sensors

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

N° 20555	Surface mount housing for 55 mm devices , white
N° 20556	Surface mount housing for 55 mm devices , aluminium-coloured



Charging Set

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

N° 10155	USB Charger (Article of trade)
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Adapter Plates for Conversion to Current WS1000® or WS1® Models

Adapter plate WS1000 Color:

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

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

Adapter plates WS1000 Connect:

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

Adapter plate WS1 Color:

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

N° 60129	Adapter plate for conversion from WS1000 to WS1000 Color
N° 60107	Adapter plate for conversion from WS1000 to WS1000 Connect
N° 60109	Adapter plate for conversion from WS1000 Color to WS1000 Connect
N° 60147	Adapter plate for conversion from WS20 to WS1 Color white
N° 601471	Adapter plate for conversion from WS20 to WS1 Color aluminium coloured

SIMPLY
AT HOME

IRRIGATION



NEW

Optional Accessories:

TMi Ground Sensor

s.b.

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

N° 70309

Jardana

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

N° 70313

TMi

AIR QUALITY



NEW

Air Vision CO₂ Indicator Light

- Air quality display with integrated CO₂ 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

N° 30530

Air Vision NEW

CONVENTIONAL BUILDING, INSTALLATION TECHNOLOGY

SENSOR WITH SWITCHING OUTPUTS



Optional Accessories:
Mounting accessories p. 62

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)

N° 30159 **RW-PF**

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

N° 30150 **GPS-DCF-Converter UTC±**

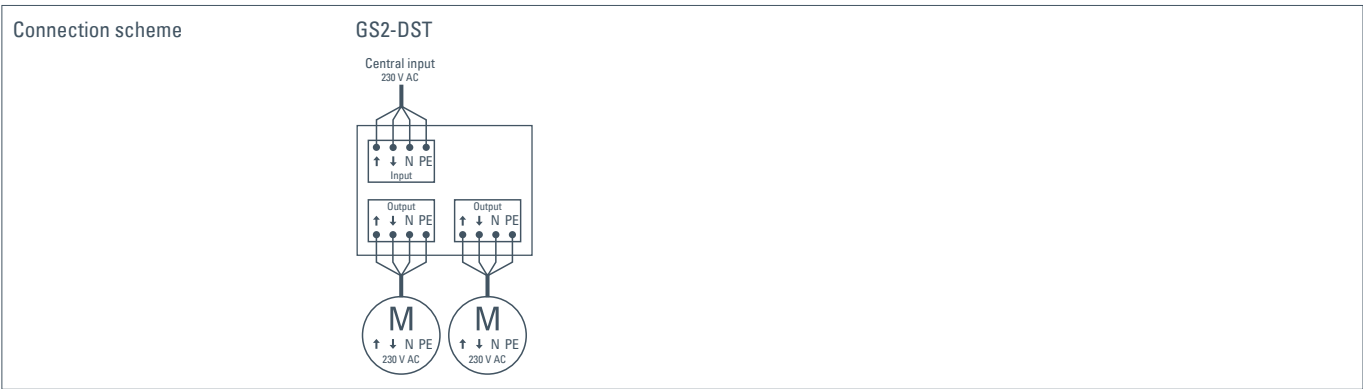
GROUP CONTROL RELAYS



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

N° 60560 **GS2-DST F-Con**



POWER SUPPLY UNITS



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)

N° 20206	PS2500
N° 20204	PS6250

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
N° 30181 **eTR 101 Modbus** jet black RAL 9005



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 CO₂, calculation of dew point temperature

Sewi TH Modbus:

- Measurement of temperature and humidity, calculation of dew point temperature

N° 30174 **Sewi AQS/TH Modbus**
N° 30175 **Sewi TH Modbus**



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**
N° 30147 **P03/3-Modbus-GPS**



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**

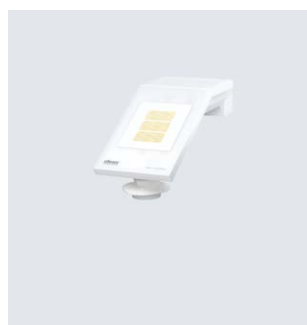
RS485 SENSORS



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**



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)
- **P04/3-RS485-CET:**
 - 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**
N° 30153 **P04/3-RS485-CET**
N° 30154 **P04/3-RS485 basic**



P03-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
- 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)
- **P03/3-RS485-CET:**
 - Calculation of the position of the sun (azimuth/elevation)
- **P03/3-RS485 basic:**
 - No time function

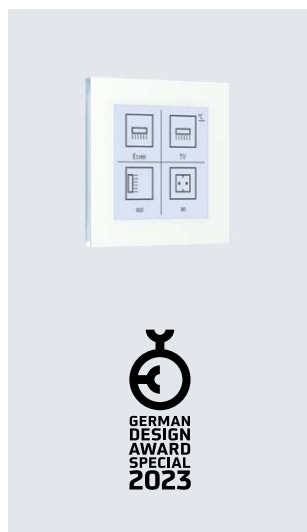
Optional Accessories:

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

N° 30145 **P03/3-RS485-GPS**
N° 30151 **P03/3-RS485-CET**
N° 30140 **P03/3-RS485 basic**



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 instructions², support ring

N° 71280

Nunio KNX M-T

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 instructions²

KNX eTR 101-BA2 additionally:

- 2 inputs (binary / temperature sensor T-NTC)

N° 70650

KNX eTR 101 signal white RAL 9003

N° 70651

KNX eTR 101 jet black RAL 9005

N° 71310

KNX eTR 101-BA2 signal white RAL 9003

N° 71312

KNX eTR 101-BA2 jet black RAL 9005

Optional Accessories:

Surface mount housing	p. 62
T-NTC, N° 30516	p. 62



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 instructions²

N° 71320

KNX eTR 102 FC signal white RAL 9003 **NEW**

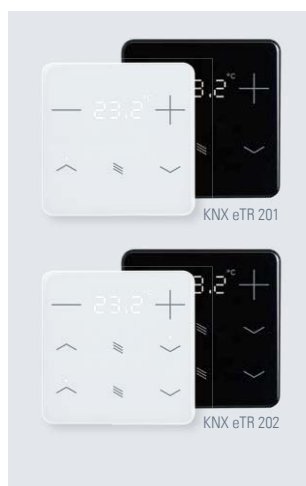
N° 71322

KNX eTR 102 FC jet black RAL 9005 **NEW**

Optional Accessories:

Surface mount housing	p. 62
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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.

**Optional Accessories:**

Surface mount housing p. 62

KNX eTR 201/202 Sunblind Temperature Controller and Sunblind Button

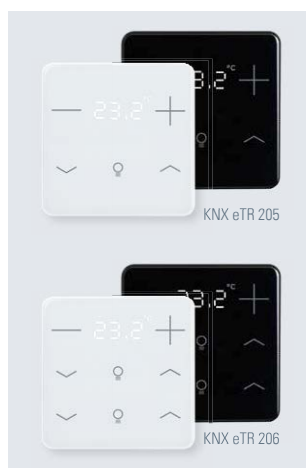
- Temperature PI controller for heating/cooling
- Display of temperature, adjustment of target temperature via touch buttons
- Temperature sensor with calculation of mixed values
- 2 temperature limit values
- Area function when touching two or more buttons simultaneously
- LEDs for optical feedback
- 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 instructions²

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")

N° 71090 **KNX eTR 201** Sunblind, signal white RAL 9003N° 71092 **KNX eTR 201** Sunblind, jet black RAL 9005N° 71100 **KNX eTR 202** Sunblind, signal white RAL 9003N° 71102 **KNX eTR 202** Sunblind, jet black RAL 9005**Optional Accessories:**

Surface mount housing p. 62

KNX eTR 205/206 Light Temperature Controller and Light Button

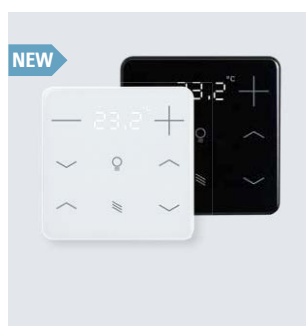
- Temperature PI controller for heating/cooling
- Display of temperature, adjustment of target temperature via touch buttons
- Integrated temperature sensor with calculation of mixed values (own/external value)
- 2 temperature limit values
- Area function when touching two or more buttons simultaneously
- 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 instructions²

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")

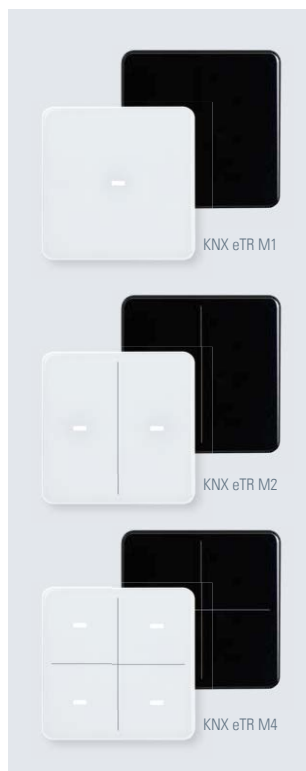
N° 71160 **KNX eTR 205** Light, signal white RAL 9003N° 71162 **KNX eTR 205** Light, jet black RAL 9005N° 71170 **KNX eTR 206** Light, signal white RAL 9003N° 71172 **KNX eTR 206** Light, jet black RAL 9005**Optional Accessories:**

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 instructions²

N° 71190 **KNX eTR 208** Light/Sunblind, signal white RAL 9003N° 71192 **KNX eTR 208** Light/Sunblind, jet black RAL 9005 **NEW**² Manual with detailed description of the parameters can be downloaded from www.elsner-elektronik.de or ordered at cost as printed version.

**Optional Accessories:**

Surface mount housing p. 62

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 instructions²

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

N° 71110 **KNX eTR M1** signal white RAL 9003N° 71112 **KNX eTR M1** jet black RAL 9005N° 71120 **KNX eTR M2** signal white RAL 9003N° 71122 **KNX eTR M2** jet black RAL 9005N° 71130 **KNX eTR M4** signal white RAL 9003N° 71132 **KNX eTR M4** jet black RAL 9005**Optional Accessories:**

Surface mount housing p. 62

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 instructions²

N° 71060 **KNX eTR MultiTouch** Light/Sunblind, signal white RAL 9003N° 71062 **KNX eTR MultiTouch** Light/Sunblind, jet black RAL 9005**Optional Accessories:**

Surface mount housing p. 62

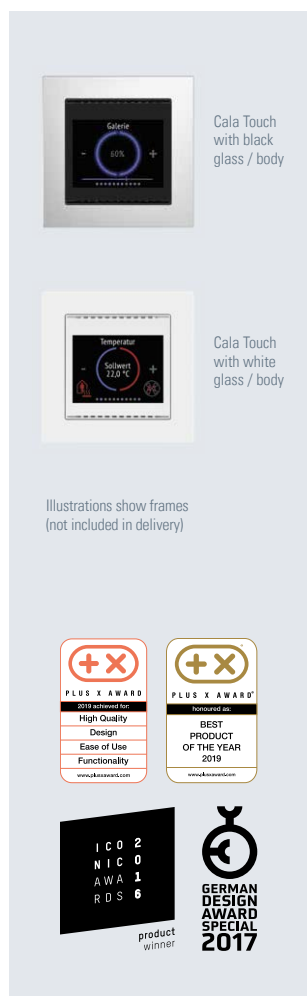
KNX eTR gl Temperature Sensor with Automatic Control

- 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 instructions²

N° 71300 **KNX eTR gl**, signal white RAL 9003N° 71302 **KNX eTR gl**, jet black RAL 9005² 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



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 instructions², 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 CO₂, temperature and humidity with calculation of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating / cooling and ventilation (CO₂, dehumidification / humidification)

N° 70800	Cala Touch KNX T 3.x white
N° 70802	Cala Touch KNX T 3.x black
N° 70810	Cala Touch KNX TH 3.x white
N° 70812	Cala Touch KNX TH 3.x black
N° 70820	Cala Touch KNX AQS/TH 3.x white
N° 70822	Cala Touch KNX AQS/TH 3.x black



Illustrations show frames
(not included in delivery)

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

- Indoor sensor for CO₂ 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 (CO₂, 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 instructions² and support ring

KNX AQS/TH-UP gl:

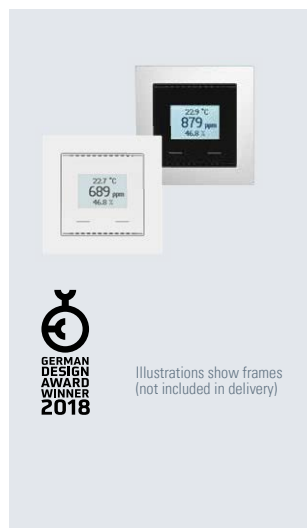
- Without display, without push buttons

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
N° 70625	KNX AQS/TH-UP gl jet black RAL 9005
N° 70620	KNX AQS/TH-UP Touch pure white RAL 9010
N° 70619	KNX AQS/TH-UP Touch jet black RAL 9005

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

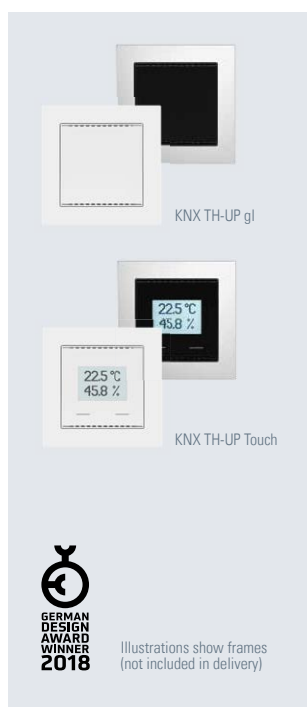


KNX VOC/TH-UP Touch Combined Sensor

- 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 instructions² and support ring

N° 70970 **KNX VOC/TH-UP Touch** pure white RAL 9010

N° 70973 **KNX VOC/TH-UP Touch** jet black RAL 9005



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 instructions² 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

N° 70623 **KNX TH-UP gl** pure white RAL 9010

N° 70622 **KNX TH-UP gl** jet black RAL 9005

N° 70617 **KNX TH-UP Touch** pure white RAL 9010

N° 70616 **KNX TH-UP Touch** jet black RAL 9005



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 instructions² and support ring

N° 70850 **KNX T-L-Pr-UP Touch** pure white RAL 9010

N° 70852 **KNX T-L-Pr-UP Touch** jet black RAL 9005

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 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 instructions² and support ring

KNX T-UP gl:

- Without display, without push buttons

KNX T-UP Touch:

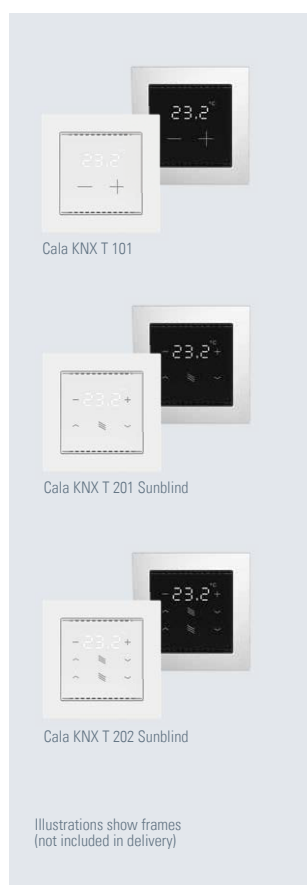
- Display for measured values, bus data (e.g. date, time), mode, bargraph for target value change
- Touch buttons: Can be used as bus push buttons, for changing the setpoint temperature or for mode

N° 70632 **KNX T-UP gl** pure white RAL 9010

N° 70631 **KNX T-UP gl** jet black RAL 9005

N° 70629 **KNX T-UP Touch** pure white RAL 9010

N° 70628 **KNX T-UP Touch** jet black RAL 9005



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 instructions² 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
- 2x2 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)

N° 70980 **Cala KNX T 101** pure white RAL 9010

N° 70982 **Cala KNX T 101** jet black RAL 9005

N° 70990 **Cala KNX T 201 Sunblind** pure white RAL 9010

N° 70992 **Cala KNX T 201 Sunblind** jet black RAL 9005

N° 71050 **Cala KNX T 202 Sunblind** pure white RAL 9010

N° 71052 **Cala KNX T 202 Sunblind** jet black RAL 9005

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 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 instructions²

KNX T-UP basic:

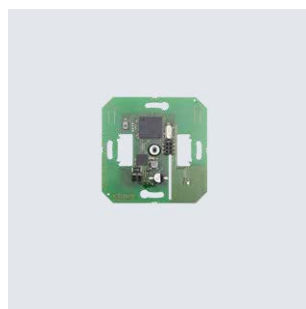
- Without display, without push buttons

KNX T-B-UP:

- With display and push buttons. Change of target temperature with bargraph in the display

N° 70350 **KNX T-UP basic** white

N° 70358 **KNX T-B-UP** white



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 instructions²

N° 70179 **KNX T-Objekt-UP 3.2**



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 instructions² 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

N° 70950 **Cala KNX MultiTouch T** Light, pure white RAL 9010

N° 70952 **Cala KNX MultiTouch T** Light, jet black RAL 9005

N° 70890 **Cala KNX MultiTouch T** Light/Sunblind, pure white RAL 9010

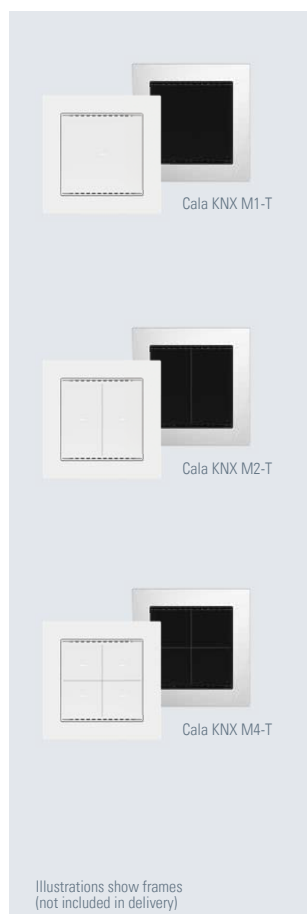
N° 70892 **Cala KNX MultiTouch T** Light/Sunblind, jet black RAL 9005

N° 70960 **Cala KNX MultiTouch T** Light/Scenes, pure white RAL 9010

N° 70962 **Cala KNX MultiTouch T** Light/Scenes, jet black RAL 9005

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 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 instructions² 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

N° 70860 **Cala KNX M1-T** pure white RAL 9010

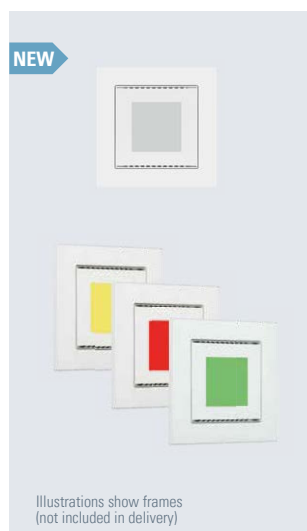
N° 70862 **Cala KNX M1-T** jet black RAL 9005

N° 70870 **Cala KNX M2-T** pure white RAL 9010

N° 70872 **Cala KNX M2-T** jet black RAL 9005

N° 70880 **Cala KNX M4-T** pure white RAL 9010

N° 70882 **Cala KNX M4-T** jet black RAL 9005



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 instructions² and support ring
- Glass surface, colour: pure white RAL 9010
- With installation instructions² and support ring

Cala KNX IL C02:

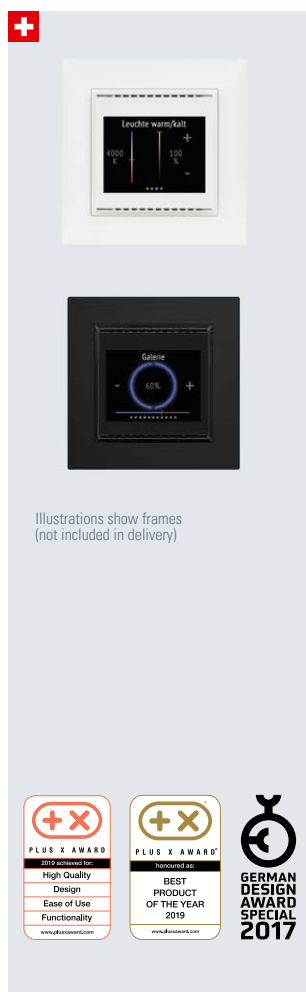
- Sensor for CO₂ concentration, value can be used for indicator light function
- 4 threshold values (adjustable per parameter or object), calculation of mixed values (own/external value)
- PI controller for ventilation

N° 71380 **Cala KNX IL** pure white RAL 9010 **NEW**

N° 71390 **Cala KNX IL C02** pure white RAL 9010 **NEW**

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



Optional Accessory:

T-NTC, N° 30516

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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 instructions², 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 CO₂, temperature and humidity with calculation of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating / cooling and ventilation (CO₂, dehumidification / humidification)

N° 70801	Cala Touch KNX T CH pure white RAL 9010
N° 70803	Cala Touch KNX T CH jet black RAL 9005
N° 70811	Cala Touch KNX TH CH pure white RAL 9010
N° 70813	Cala Touch KNX TH CH jet black RAL 9005
N° 70821	Cala Touch KNX AQS/TH CH pure white RAL 9010
N° 70823	Cala Touch KNX AQS/TH CH jet black RAL 9005

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

- Indoor sensor for CO₂ 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 (CO₂, 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 instructions² 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

N° 70646 **KNX AQS/TH-UP gl CH** pure white RAL 9010

N° 70647 **KNX AQS/TH-UP gl CH** jet black RAL 9005

N° 70639 **KNX AQS/TH-UP Touch CH** pure white RAL 9010

N° 70643 **KNX AQS/TH-UP Touch CH** jet black RAL 9005



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 instructions² and support ring

N° 70972 **KNX VOC/TH-UP Touch CH** pure white RAL 9010

N° 70974 **KNX VOC/TH-UP Touch CH** jet black RAL 9005

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 instructions² and mounting adapter

KNX TH-UP gl CH:

- Without display, without push buttons

KNX TH-UP Touch CH:

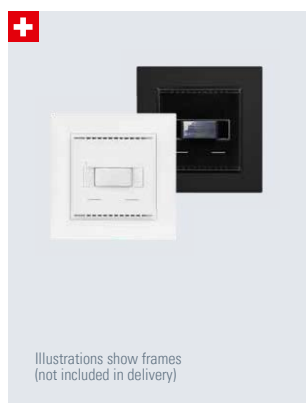
- Value and scale display (setpoint temperature)
- Touch buttons: Can be used as bus push buttons, for changing the setpoint temperature or for mode switching

N° 70644 **KNX TH-UP gl CH** pure white RAL 9010

N° 70645 **KNX TH-UP gl CH** jet black RAL 9005

N° 70637 **KNX TH-UP Touch CH** pure white RAL 9010

N° 70638 **KNX TH-UP Touch CH** jet black RAL 9005



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 instructions² and mounting adapter

N° 70851 **KNX T-L-Pr-UP Touch CH** pure white RAL 9010

N° 70853 **KNX T-L-Pr-UP Touch CH** jet black RAL 9005



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 systems! Frame and mounting plate not included
- Installation with 2 fastening clamps in adapter
- With installation instructions² 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

N° 70635 **KNX T-UP gl CH** pure white RAL 9010

N° 70636 **KNX T-UP gl CH** jet black RAL 9005

N° 70633 **KNX T-UP Touch CH** pure white RAL 9010

N° 70634 **KNX T-UP Touch CH** jet black RAL 9005

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 instructions² and mounting adapter

Cala KNX T 101 CH:

- Display of temperature, adjustment of target temperature via push buttons

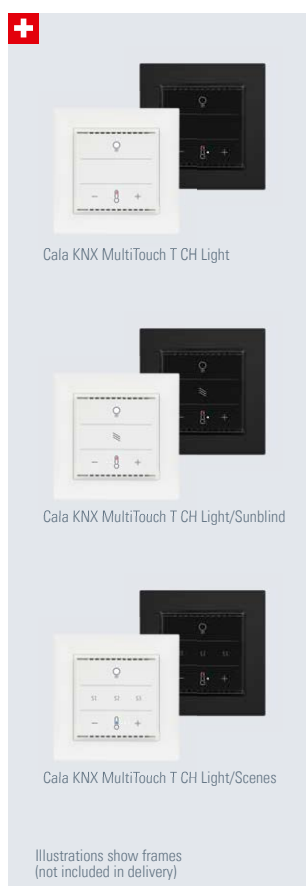
Cala KNX T 201 Sunblind CH:

- 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
- 2x2 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)

N° 70981	Cala KNX T 101 CH pure white RAL 9010
N° 70983	Cala KNX T 101 CH jet black RAL 9005
N° 70991	Cala KNX T 201 Sunblind CH pure white RAL 9010
N° 70993	Cala KNX T 201 Sunblind CH jet black RAL 9005
N° 71051	Cala KNX T 202 Sunblind CH pure white RAL 9010
N° 71053	Cala KNX T 202 Sunblind CH jet black RAL 9005



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 instructions² 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:

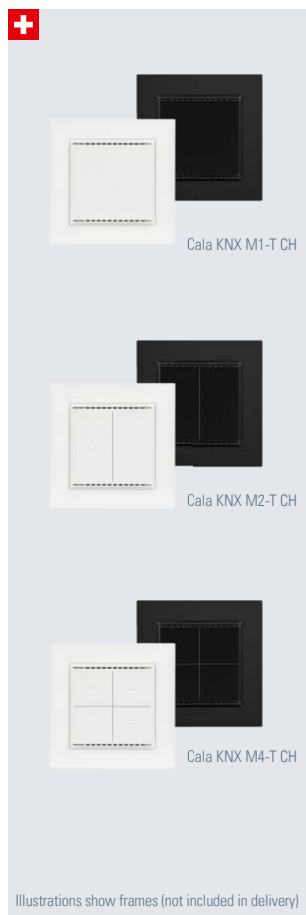
- Operating zone for light (switching, brighter, darker)
- Operating zone for blinds/sunshades (up/down with short/long distinction, driving position)
- Operating zone for temperature control (warmer, cooler, changeover heating/cooling)

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

N° 70951	Cala KNX MultiTouch T CH Light, pure white RAL 9010
N° 70953	Cala KNX MultiTouch T CH Light, jet black RAL 9005
N° 70891	Cala KNX MultiTouch T CH Light/Sunblind, pure white RAL 9010
N° 70893	Cala KNX MultiTouch T CH Light/Sunblind, jet black RAL 9005
N° 70961	Cala KNX MultiTouch T CH Light/Scenes, pure white RAL 9010
N° 70963	Cala KNX MultiTouch T CH Light/Scenes, jet black RAL 9005

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 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 instructions² 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

N° 70861 **Cala KNX M1-T CH** pure white RAL 9010

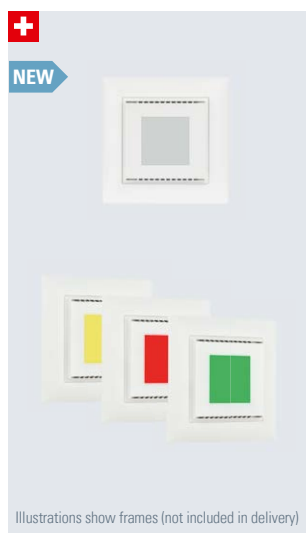
N° 70863 **Cala KNX M1-T CH** jet black RAL 9005

N° 70871 **Cala KNX M2-T CH** pure white RAL 9010

N° 70873 **Cala KNX M2-T CH** jet black RAL 9005

N° 70881 **Cala KNX M4-T CH** pure white RAL 9010

N° 70883 **Cala KNX M4-T CH** jet black RAL 9005



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 instructions² and support ring

Cala KNX IL C02:

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

N° 71381 **Cala KNX IL CH** pure white RAL 9010 **NEW**

N° 71391 **Cala KNX IL C02 CH** pure white RAL 9010 **NEW**

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

					
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



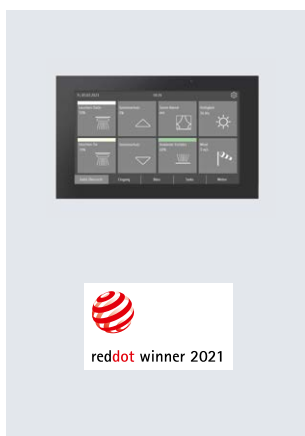
Optional Accessories:

P04-KNX-GPS, N° 71230 p. 49

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 CasaConnect-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 instructions²

N° 71200 **CasaConnect KNX** Building Control



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

N° 71270 **Fabro KNX**



Optional Accessories:

Surface-mounted housing, N° 60157 p. 15
Remote controls p. 10

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

N° 70197 **KNX Touch One Style** white

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, N° 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 instructions²

Corlo Touch KNX 5in:

- KNX connection for data communication

Corlo Touch KNX 5in WL:

- KNX connection
- Connection for WLAN

Optional Accessories:

T-NTC, N° 30516

p. 62

N° 70481

Corlo Touch KNX 5in black/black

N° 70475

Corlo Touch KNX 5in WL black/black

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



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 instructions²

Sewi KNX AQS/TH-D:

- CO₂ 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:

- CO₂ 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:

- CO₂ 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

N° 70697 **Sewi KNX AQS/TH-D** jet black RAL 9005

N° 70398 **Sewi KNX TH-L-Pr** signal white RAL 9003 / grey white RAL 9002

N° 70698 **Sewi KNX TH-L-Pr** jet black RAL 9005

N° 70399 **Sewi KNX AQS/TH-D L-Pr** signal white RAL 9003 / grey white RAL 9002

N° 70699 **Sewi KNX AQS/TH-D L-Pr** jet black RAL 9005

N° 71420 **Sewi KNX AQS/TH L-Pr light** signal white RAL 9003 / grey white RAL 9002

N° 71422 **Sewi KNX AQS/TH L-Pr light** jet black RAL 9005

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



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 instructions²

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

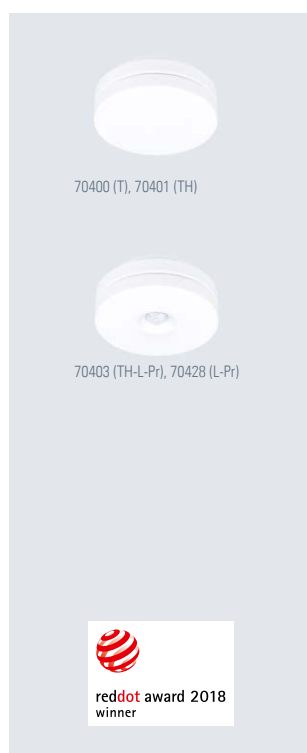
Intra-Sewi KNX TH-L-Pr:

- 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
N° 70665	Intra-Sewi KNX T jet black RAL 9005
N° 70669	Intra-Sewi KNX TH pure white RAL 9010
N° 70666	Intra-Sewi KNX TH jet black RAL 9005
N° 70671	Intra-Sewi KNX L-Pr pure white RAL 9010
N° 70672	Intra-Sewi KNX L-Pr jet black RAL 9005
N° 70681	Intra-Sewi KNX TH-L-Pr pure white RAL 9010
N° 70682	Intra-Sewi KNX TH-L-Pr jet black RAL 9005



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 instructions²

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
N° 70401	Mini-Sewi KNX TH
N° 70428	Mini-Sewi KNX L-Pr
N° 70403	Mini-Sewi KNX TH-L-Pr

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

**Optional Accessories:**

T-NTC-ST, N° 30513	p. 44
TH-UP basic	p. 44

KNX B8-TH Interface

- 8 binary inputs
- 2 sensor inputs:
 - 1× temperature / humidity sensor TH-UP basic N° 30525;
 - 1× temperature sensor T-NTC-ST N° 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

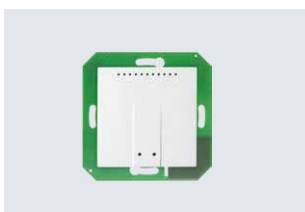
N° 70249 **KNX B8-TH**



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

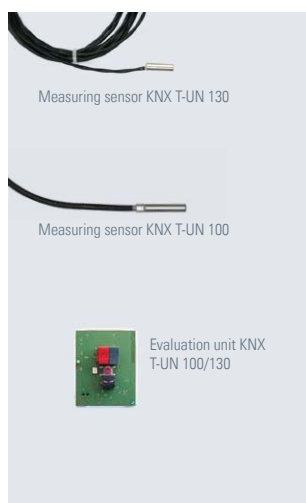
N° 30513 **T-NTC-ST**



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

N° 30525 **TH-UP basic**



KNX T-UN All-purpose Temperature Sensor

- 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 instructions²
- 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

N° 70220 **KNX T-UN 130**

N° 70221 **KNX T-UN 100**



Evaluation Unit KNX T6-UN-B4

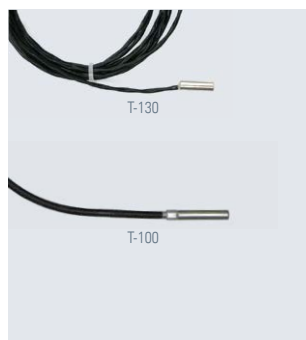
- Evaluation unit for up to 10 temperature sensors
- 6 temperature inputs for sensors T-100 or T-130 (sensors to be ordered separately)
- 4 analog / digital inputs for temperature sensors T-NTC, bus push button or similar
- Overall 6 threshold values
- Calculation of mixed values (own / external value)
- 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 instructions²

N° 70222 **KNX T6-UN-B4**

Optional Accessories:

T-NTC-ST, N° 30516	p. 62
T-100, T-130	p. 45

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



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**

N° 30518 **T-130**



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, height 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 instructions²

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**

N° 70405 **Salva KNX basic**

N° 70409 Salva (replacement/without KNX)



Leak KNX Leakage sensor for water / pipe break detection

- 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**

N° 70315 **Leak KNX basic**

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	✓	✓	–	–	✓	–	–	–

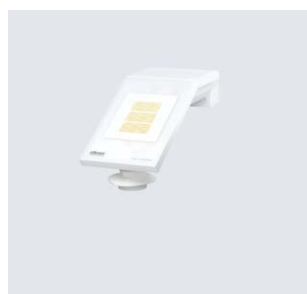
KNX WEATHER STATIONS



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 instructions²

N° 70900 **Suntracer KNX pro**



Optional Accessories:

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

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 instructions² and Mounting Arm Fix

N° 70154 **Suntracer KNX sl with Mounting Arm Fix**



Optional Accessories:

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

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 instructions² and Mounting Arm Fix

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



Focus Open 2014
Special Mention

Awards for Suntracer KNX sl

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

**Optional Accessories:**

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

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 instructions² and Mounting Arm Fix

N° 70156 **Suntracer KNX sl basic** with Mounting Arm Fix

**Optional Accessories:**

24 V DC power supply units	p. 21
KNX PS640	p. 57
Mounting accessories	p. 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 instructions² and Mounting Arm Fix

N° 71230 **P04-KNX-GPS** with Mounting Arm Fix

**Optional Accessories:**

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

KNX sl Weather Sensors

- 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 instructions²
- 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)

N° 70158 **KNX W sl**
 N° 70162 **KNX RW sl**
 N° 70164 **KNX LW sl**
 N° 70165 **KNX R sl**

**Optional Accessories:**

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

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

N° 3093 **Suntracer KNX-GPS**

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

**Optional Accessories:**

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

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

N° 3094 **Suntracer KNX-GPS light** 20...30 V DC

**Optional Accessories:**

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

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

N° 3096 **Suntracer KNX basic** 20...30 V DC



KNX Weather Sensors

- 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 instructions²

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

N° 70119 **KNX L** power supply via bus

N° 70123 **KNX W** 20...30 V DC

N° 70127 **KNX RW** 20...30 V DC

N° 70129 **KNX LW** 20...30 V DC

**Optional Accessories:**

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

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 N° 30129 Fix P (optional)
- Auxiliary voltage: 24 V DC
- Delivery with installation instructions²

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

N° 71235 **Windancer KNX**

N° 71236 **Windancer KNX-GPS**

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	—	—	✓	—	—	—
Blocking 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



Optional Accessory:

Mounting accessories p. 62

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 instructions²

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

N° 70384

Vari KNX 3L-TH

N° 70390

Vari KNX 3L-TH-D GPS



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 instructions²

N° 70157

KNX PY



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 instructions²

N° 70121

KNX T-AP

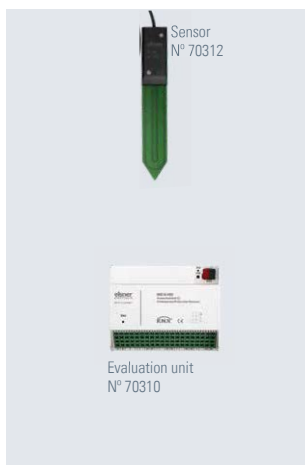
² Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.



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 instructions²

N° 70184 **KNX TH65-AP**



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 instructions²

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

N° 70310 **KNX I4-ERD** evaluation unit

N° 70312 **TH-ERD** ground temperature/humidity sensor



KNX S0250 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 instructions²

KNX S0250 basic:

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

KNX S0250:

- 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

N° 70153 **KNX S0250 basic** Evaluation unit with probe

N° 70151 **KNX S0250** Evaluation unit with probe

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 LIGHTING (DALI)



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 instructions²
- 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

N° 70582 **KNX DALI L1 ind/gr/bc NEW**

N° 70581 **KNX DALI L2 ind/gr/bc NEW**

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 instructions²

N° 70391 **KNX A3-B2**

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 instructions²

N° 70574 **KNX R1-B4 compact 16 A**

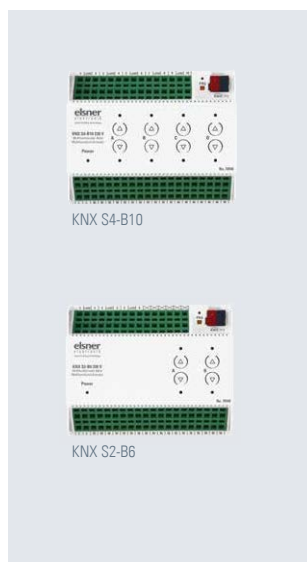
KNX ACTUATORS – FOR DRIVES OR CONSUMERS



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 instructions²

N° 70550 **KNX S1R-B4 compact**



KNX S4-B10, KNX S2-B6 Multifunctional Actuators

- 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 instructions²
 - 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)
- KNX S4-B10 230 V:**
- 4 multifunctional outputs 230 V AC (4 drives / 8 consumers)

N° 70546 **KNX S4-B10 230 V**

N° 70548 **KNX S2-B6 230 V**

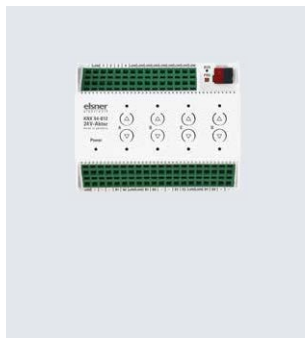
² Manual with detailed description of the parameters can be downloaded on www.elsner-elektronik.de or ordered at cost as printed version.

KNX ACTUATORS for 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 instructions²

N° 70533 **KNX S4-B12 24 V**

KNX ACTUATORS – FOR DRIVES WITH 3 LIMIT SWITCHES

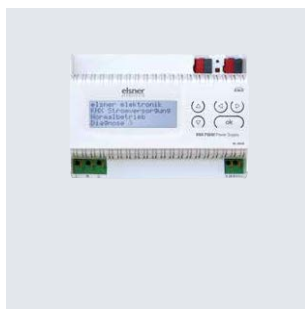


KNX S4-B12 DES Actuator for drives with 3 limit switches

- 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 instructions²

N° 70535 **KNX S4-B12 DES**

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

N° 70140 **KNX PS640**

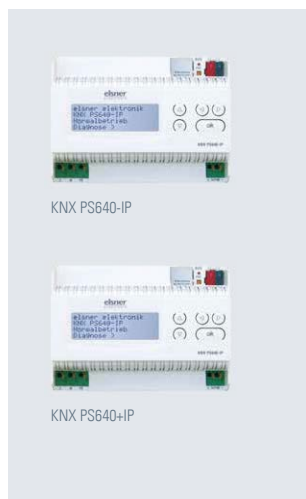


KNX PS640+ Power Supply Unit for KNX

- 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

N° 70141 **KNX PS640+ with bus functions**

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

- 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:

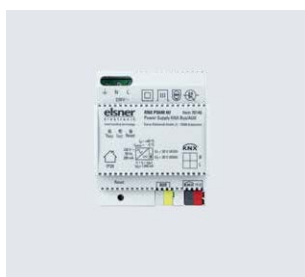
- Without bus functions

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)

N° 70142 **KNX PS640-IP** with Ethernet interface

N° 70145 **KNX PS640+IP** with bus functions and Ethernet interface



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

N° 70146 **KNX PS640 4U**



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

N° 70147 **KNX PS640-IP 2U**

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 instructions²

N° 70251 **KNX B4 Universal**

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 instructions²

N° 70148 **KNX CP TP**



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 instructions²

N° 70149 **KNX CP IP**

KNX RF



KNX RF-MSG-ST Motor Control Unit

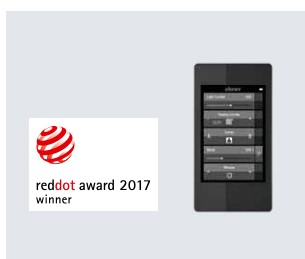
- Actuator for KNX RF with 1 drive output (230 V AC)
- Motor run time variable by ETS parameters or active current metering
- Position feedback and storage, scenes
- Retransmitter function (forwarding of all received KNX RF telegrams)
- Housing with STAS3 plug and STAK3 connector
- Approx. 147 × 36 × 29 (W × H × D, mm)
- Supply: 230 V AC, 50 Hz
- Configuration with ETS, KNX RF S-Mode
- Delivery with installation instructions²

Optional Accessory:

STAK/STAS connectors

p.12

N° 70711 **KNX RF-MSG-ST**



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, rechargeable via USB 2.0 Micro B charger
- Delivery with installation instructions²

Optional Accessory:

USB charging set, N° 10155

p. 16

N° 70747 **Remo KNX RF 2.0**

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 ACCESSORIES



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)

N° 5107

KNX Training Kit "Basic"

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**



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**

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



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)

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

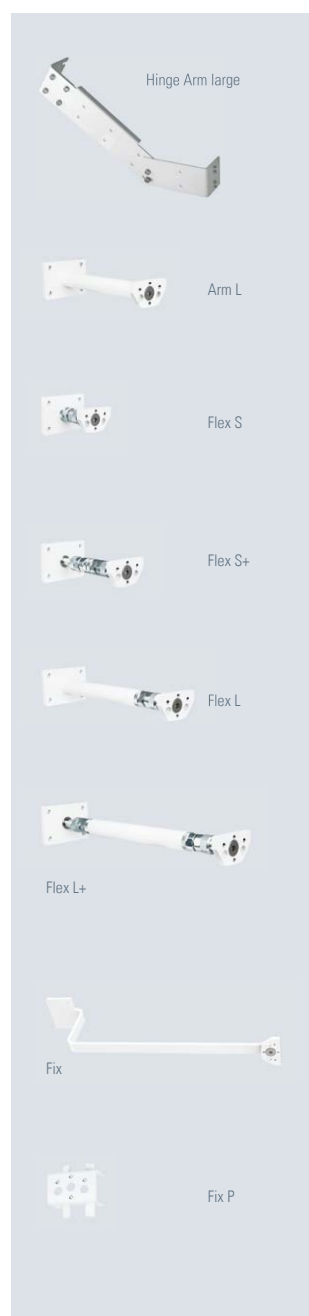
Nº 30232 **Clips** for pole mounting, 2 pieces. (Article of trade)



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)



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

N° 30109 **Hinge Arm large** RAL 9016

N° 30111 **Hinge Arm large** blank

N° 30112 **Arm L** no joints

N° 30119 **Flex S** 1 ball joint

N° 30120 **Flex S+** 2 ball joints

N° 30115 **Flex L** 1 ball joint

N° 30116 **Flex L+** 2 ball joints

N° 30127 **Fix** RAL 9003

N° 30128 **Fix** blank

N° 30129 **Fix P** RAL 9003

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



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.

elsner

