2015

elsner®
elektronik

German Design Award
WINNER 2015

Focus Open 2014
Special Mention

KNX WEATHER SENSORS

The weather stations and sensors provide the current meteorological data for KNX networks. The compact devices feature a combined fixture for wall/pole mounting and are configured by means of the ETS. The **brightness sensor** not only recognizes sunlight, but also twilight. For this, filters simulate the spectral sensitivity of the human eye.
The electronic **wind sensor** works noiselessly and reliably, even during hail, snow and subzero temperatures. Turbulent air and anabatic winds in the vicinity of the weather station are recorded, too.
The measuring surface of the **precipitation sensor** is heated, so that humidity dries immediately. On the one hand, this prevents false reports caused by fog or dew. On the other hand, the sensor recognizes quickly when it has stopped to rain or snow.
The **temperature sensor** transfers the outdoor temperature exactly and reliably to the KNX system.
Devices with **GPS receiver** calculate the position of the sun, output the local time and are able to switch time functions (daily/week time switch). The output of the integrated **logic gates** can be set to 1 bit or 2 x 8 bits according to your needs.

Weather Station suntracer® KNX sl

Suntracer KNX sl
N° 70154

Suntracer KNX sl light
N° 70155

Suntracer KNX sl basic
N° 70156

- Temperature sensor (-30…+50°C)
- Brightness sensor (0…150 000 lx)
- Wind speed sensor
- Heated precipitation sensor
- Switching outputs with limit values
- 8 AND and 8 OR logic gates (4 inputs each)
- 8 multifunctional modules change input data by calculations, survey of a condition or transition of the data point type
- Summer compensation for cooling adjusts the room target temperature to the outdoor temperature via a characteristic curve
- Frost protection for shading elements
- Housing for surface mounting, IP 44, white/translucent
- Approx. 62 x 71 x 145 (W x H x D, mm)
- Operating voltage: 12-40 V DC (12-28 V AC)

Suntracer KNX sl:

- Air pressure sensor 300-1100 hPa
- GPS receiver: output of local time and postion coordinates, calculation of the position of the sun, e. g. for tracking of shading elements and photovoltaic modules
- Calendar time switch (4 annual terms with 2 daily periods), week time switch (24 periods)
- Shading control for 8 fronts with tracking of the slats and shadow edge and with frost protection

Suntracer KNX sl light:

- GPS receiver: output of local time and postion coordinates
- Calculation of the position of the sun
- Shading control for 5 fronts without tracking of the slats and shadow edge
- Calendar time switch (4 annual terms with 2 daily periods), week time switch (24 periods)

Suntracer KNX sl basic:

- Without GPS receiver and time functions
- No automatic shading control

Wind Sensor KNX W sl

- Wind speed sensor
- 3 switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- Housing for surface mounting, IP 44, white/ translucent
- Approx. 62 x 71 x 145 (W x H x D, mm)
- Operating voltage: 12-40 V DC (12-28 V AC)

KNX W sl
N° 70158

Rain Sensor KNX R sl

- Heated precipitation sensor
- 2 switching outputs
- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- Housing for surface mounting, IP 44, white/ translucent
- Approx. 62 x 71 x 145 (W x H x D, mm)
- Operating voltage: 12-40 V DC (12-28 V AC)

KNX R sl
N° 70159

Rain/Wind Sensor KNX RW sl

- Wind speed sensor
- Heated precipitation sensor
- 4 switching outputs, 3 adjustable limit values
- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- Housing for surface mounting, IP 44, white/ translucent
- Approx. 62 x 71 x 145 (W x H x D, mm)
- Operating voltage: 12-40 V DC (12-28 V AC)

KNX RW sl
N° 70162

Brightness/Wind Sensor KNX LW sl

- Brightness sensor (0…150 000 lx)
- Wind speed sensor
- 9 switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- Housing for surface mounting, IP 44, white/ translucent
- Approx. 62 x 71 x 145 (W x H x D, mm)
- Operating voltage: 12-40 V DC (12-28 V AC)

KNX LW sl
N° 70164

German Design Award
WINNER 2015

DESIGN AWARD 2015

Focus Open 2014
Silver

KNX OUTDOOR SENSORS

The outdoor sensors are suitable for outdoor use because of their sturdy housing and protection category. But they can also be used indoors, like in production facilities. The different types of sensors offer various additional functions: To calculate **mixed values**, values of other sensors are received via the bus and mixed with own measured values (percentage can be adjusted). The **summer compensation** for cooling adjusts the target temperature in the room to the outdoor temperature via a characteristic curve. **Multifunctional modules** change input data by calculations, survey of a condition or transition of the data point type. The output of **logic gates** can be set to 1 bit or 2 x 8 bit, according to your needs. The automatic functions and controllers are configured by means of the ETS.

Brightness Sensor Vari KNX 3L

- 3 brightness sensors (maximum or mixed value)
- 20 switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor and outdoor application
- Housing for surface mounting, IP 44
- Approx. 65 x 80 x 30 (W x H x D, mm)
- Operating voltage: bus voltage

Vari KNX 3L
N° 70382

Temperature Sensor Vari KNX T

- Temperature sensor with calculation of a mixed value
- PI controller for heating/cooling
- Summer compensation
- 4 switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor and outdoor application
- Housing for surface mounting, IP 44
- Approx. 65 x 80 x 30 (W x H x D, mm)
- Operating voltage: bus voltage

Vari KNX T
N° 70385

Combined Sensor Vari KNX TH

- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating, cooling, humidification and de-humidification
- Summer compensation
- 8 switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor and outdoor application
- Housing for surface mounting, IP 44
- Approx. 65 x 80 x 30 (W x H x D, mm)
- Operating voltage: bus voltage

Vari KNX TH
N° 70386

Combined Sensor Vari KNX TH-D

- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- Air pressure sensor
- PI controller for heating/cooling (temperature)
- Summer compensation
- PI controller for ventilation (humidity)
- 12 switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor and outdoor application
- Housing for surface mounting, IP 44
- Approx. 65 x 80 x 30 (W x H x D, mm)
- Operating voltage: bus voltage

Vari KNX TH-D
N° 70388

Vari KNX 3L-T
N° 70383

Combined Sensor KNX 3L-T

- 3 brightness sensors (maximum or mixed value)
- Temperature sensor with calculation of a mixed value
- PI controller for heating/cooling
- Summer compensation
- 24 switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor and outdoor application
- Housing for surface mounting, IP 44
- Approx. 65 x 80 x 30 (W x H x D, mm)
- Operating voltage: bus voltage

Vari KNX 3L-TH
N° 70384

Combined Sensor KNX 3L-TH

- 3 brightness sensors (maximum or mixed value)
- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating/cooling (temperature)
- Summer compensation
- PI controller for ventilation (humidity)
- 28 switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor and outdoor application
- Housing for surface mounting, IP 44
- Approx. 65 x 80 x 30 (W x H x D, mm)
- Operating voltage: bus voltage

Vari KNX 3L-TH-D
N° 70389

Combined Sensor KNX 3L-TH-D

- 3 brightness sensors (maximum or mixed value)
- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- Air pressure sensor
- PI controller for heating/cooling (temperature)
- Summer compensation
- PI controller for ventilation (humidity)
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 32 switching outputs with limit values
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor and outdoor application
- Housing for surface mounting, IP 44
- Approx. 65 x 80 x 30 (W x H x D, mm)
- Operating voltage: bus voltage

Combined Sensor KNX 3L-TH-D GPS

- 3 brightness sensors (maximum or mixed value)
- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- Air pressure sensor
- 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)
- PI controller for heating/cooling (temperature)
- Summer compensation
- PI controller for ventilation (humidity)
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 32 switching outputs with limit values
- 8 AND and 8 OR logic gates (4 inputs each)
- For outdoor use
- Housing for surface mounting, IP 44
- Approx. 65 x 80 x 30 (W x H x D, mm)
- Operating voltage: bus voltage

Vari KNX 3L-TH-D GPS
N° 70390

GPS Receiver Vari KNX GPS

- 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)
- For outdoor use
- Housing for surface mounting, IP 44
- Approx. 65 x 80 x 30 (W x H x D, mm)
- Operating voltage: bus voltage

Vari KNX GPS
N° 70387

KNX WALL /CEILING SENSORS

The indoor sensor monitors not only the presence of persons and the brightness in a room, e.g. to switch light in an energy-optimized way, but also measures temperature, air humidity and CO_2 for ambient climate control. The various single and combined sensors offer the appropriate unit for every application. The different models have got various additional functions: To calculate **mixed values,** values of other sensors are received via the bus and mixed with own measured values. The **summer compensation** for cooling adjusts the room target temperature to the outdoor temperature via a characteristic curve. **Multifunctional modules** change input data by calculations, survey of a condition or transition of the data point type. The output of the **logic gates** can be set to 1 bit or 2 x 8 bits according to your needs. The automatic functions and controllers are configured by means of the ETS.

Temperature Sensor Sewi T

Sewi KNX T
N° 70392

- Temperature sensor with calculation of a mixed value
- PI controller for heating/cooling (temperature)
- Summer compensation
- Switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor application
- Housing for surface mounting, IP 44
- Diameter approx. 105 mm, height 34 mm
- Operating voltage: bus voltage

Temperature/Humidity Sensor Sewi TH

Sewi KNX TH
N° 70393

- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating/cooling (temperature)
- Summer compensation
- PI controller for ventilation (humidity)
- Switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor application
- Housing for surface mounting, IP 44
- Diameter approx. 105 mm, height 34 mm
- Operating voltage: bus voltage

Air Quality Sensor Sewi AQS

- CO_2 sensor
- PI controller for ventilation
- Switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor application
- Housing for surface mounting, IP 44
- Diameter approx. 105 mm, height 34 mm
- Operating voltage: bus voltage

Sewi KNX AQS
N° 70394

Brightness Sensor Sewi KNX L

- Brightness sensor
- Switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor application
- Housing for surface mounting, IP 44
- Diameter approx. 105 mm, height 34 mm
- Operating voltage: bus voltage

Sewi KNX L
N° 70395

Combined Sensor Sewi KNX L-Pr

- Brightness sensor
- Presence detector (angle of detection 100° × 82°, range 5 m)
- Switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor application
- Housing for surface mounting, IP 44
- Diameter approx. 105 mm, height 34 mm
- Operating voltage: bus voltage

Sewi KNX L-Pr
N° 70396

Combined Sensor Sewi AQS/TH-D

- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- CO_2 sensor
- Air pressure sensor
- PI controller for heating/cooling (temperature)
- Summer compensation
- PI controller for ventilation (humidity, CO_2)
- Switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor application
- Housing for surface mounting, IP 44
- Diameter approx. 105 mm, height 34 mm
- Operating voltage: bus voltage

Sewi KNX AQS/TH-D
N° 70397

Sewi KNX TH L-Pr
N° 70398

Combined Sensor Sewi KNX TH L-Pr

- Brightness sensor
- Presence detector (angle of detection 100° × 82°, range 5 m)
- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- PI controller for heating/cooling (temperature)
- Summer compensation
- PI controller for ventilation (humidity)
- Switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor application
- Housing for surface mounting, IP 44
- Diameter approx. 105 mm, height 34 mm
- Operating voltage: bus voltage

Sewi KNX AQS/TH-D L-Pr
N° 70399

Combined Sensor Sewi KNX AQS/TH-D L-Pr

- Brightness sensor
- Presence detector (angle of detection 100° × 82°, range 5 m)
- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- CO_2 sensor
- Air pressure sensor
- PI controller for heating/cooling (temperature)
- Summer compensation
- PI controller for ventilation (humidity, CO_2)
- Switching outputs with limit values
- 8 modules for calculation, conditions, transition
- 4 actuating variable comparators
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor application
- Housing for surface mounting, IP 44
- Diameter approx. 105 mm, height 34 mm
- Operating voltage: bus voltage

KNX SMOKE AND HEAT DETECTOR

Salva KNX basic
N° 70405

Smoke Detector Salva KNX

- Smoke detector for smoke alarm, heat alarm or smoke/heat alarm
- Temperature sensor and humidity sensor with calculation of mixed values, of the dewpoint and monitoring of the comfort field (DIN 1946)
- Air pressure sensor (mbar)
- KNX connection
- Local alarm signal and forwarding of the signal to KNX; acknowledgement of alarm locally or via bus
- Reporting of polluted smoke chamber
- PI controller for heating/cooling (temperature)
- Switching outputs with limit values for temperature, humidity, pressure

Salva KNX continued

- 8 modules for calculation, conditions, transition
- 8 AND and 8 OR logic gates (4 inputs each)
- For indoor application
- Housing for surface mounting, IP 40
- Diameter approx. 113 mm, Höhe 58 mm
- Power supply via battery (9 V); warning in case of low battery charge

Salva KNX basic:
- Smoke detector for smoke alarm

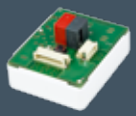
Salva KNX:
- Smoke detector for smoke alarm, heat alarm or smoke/heat alarm

Salva KNX
Nr. 70404

DOOR CONTROL

Control Module for Door Drives KNX A3-B2

- 3 outputs for control of a door
- 2 binary inputs (for status query or as a bus push button)
- Approx. 38 x 47 x 29 (W x H x D, mm)
- Operating voltage: bus voltage



N° 70391

KNX INTERFACE

IP KNX Interface

- Interface for data transfer from IP to KNX
- For Mobotix IP cameras (8 cameras with 8 input and 8 output objects each)
- Transfer of camera events to KNX bus
- Control of the camera via KNX bus
- KNX bus connector and IP port (POE)
- Installation on DIN rail 3 units, white, approx. 53 x 88 x 60 (W x H x D, mm)

N° 70199

SIMPLE INTEGRATION OF ELSNER KNX PRODUCTS

Suntracer KNX sl
Weather Station

- Datum/Uhrzeit | *Date/Time*
- Anforderung Datum/Uhrzeit | *Request Date/Time*
- Niederschlag | *Precipitation*
- Außentemperatur | *Outdoor temperature*
- Außenhelligkeit | *Light intensity outside*
- Sonnenrichtung | *Direction of the sun (azimuth)*
- Sonnenhöhe | *Elevation of the sun*

Corlo Touch
Touch Display

The example shows the installation of a shading automation with weather station Suntracer KNX sl, display Corlo Touch KNX and actuator KNX S1R-UP. The KNX applications of Elsner Elektronik products are coordinated, so that the integration can be completed with minimal effort.

KNX

Jalousie Langzeit | *Blind long-term*

Jalousie Kurzzeit | *Blind short-term*

Jalousie Sicherheit | *Blind safety*

Jalousie Position Höhe | *Blind position height*

Jalousie Position Lamelle | *Blind position slat*

Rückmeldung Jalousie Position Höhe | *Feedback blind position height*

Rückmeldung Jalousie Position Lamelle | *Feedback blind position slat*

KNX S1R-UP 230 V

Actuator

German Design Award NOMINEE 2014

product design award 2014

interior innovation award 2014 Selection

reddot award 2014 winner

AWARD-WINNING PRODUCTS:
System Corlo: German Design Award Nominee, iF product design award, interior innovation award, Red Dot Winner, R+T Innovationspreis
Corlo Touch KNX: iF Design Award, Plus X Awards

product design award 2013

PLUS X AWARD honored as: BEST PRODUCT OF THE YEAR 2013

PLUS X AWARD achieved for: Innovation, High Quality, Design, Ease of Use, Functionality

SYSTEM CORLO

Real glass surfaces and chrome plated metal frames make the touch displays, push buttons and power outlets of System Corlo a highlight of high class interiors. The System Corlo frames are available with a matt or glossy finish, custom colours for an individual interior design are also possible. For display, push button and poweroutlet, you have a choice of white or black glass surfaces.

Corlo Touch white, in 3-gang matt chromed frame

Corlo Touch KNX Touch Switch and Display

The **automatic funtcions** of Corlo Touch KNX can be set directly on the display. Thus the indoor climate can be easily adjusted by the user during operation.

The **integration effort** for the basic setup of the single room control is minimal. The KNX applications from Elsner actuators and weather sensors are adopted for Corlo Touch KNX display so that e.g. a shading control or temperature control can be easily set without great expenditure of time.

The **Corlo Mobile App** for Corlo Touch KNX WL allows you to make all of the settings via smartphone or tablet PC. The app can be downloaded for Apple iOS or Android.

- The Corlo Touch KNX display can be used as a touch switch, for automatic settings and as an info screen
- 10 display pages can be confi gured 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
- The brilliant 3.5" screen is also ideally suited for displaying photos
- Touch-sensitive glass interface
- Matt or glossy chromed edge (custom colours on request), white or black glass
- Ambient lighting with individually variable colours (RGB)
- Proximity sensor allows switching onapproach and fast activation of the display from standby mode
- Brightness sensor for automatic adaption of the display lighting
- KNX connection for data transfer
- 4 inputs (as binary inputs or for temperature sensor)
- Micro SD card slot, e. g. as storage for image data. USB Interface
- Internal automatic functions for ventilation, shading (solar/visual protection), room climate control (heating, cooling) and light
- Internal scene control, timer and wake-up function
- 4 AND and 4 OR logic gates (each with 4 inputs, output in each case 1 bit/2×8 bits)
- Mounting with Frame Corlo in socket as single, dual or triple device
- Operating voltage: 12...24 V DC

Corlo Touch KNX WL model: W-LAN interface allows e.g. smartphone control, display of web pages and IP camera images

Accessories: (not included)
- T-NTC temperature sensor

Corlo Touch black, in 1-gang glossy chromed frame

Corlo Touch KNX	
White, glossy edge	*N° 70258*
Black, glossy edge	*N° 70259*
White, matt edge	*N° 70260*
Black, matt edge	*N° 70261*
Corlo Touch KNX WL	
White, glossy edge	*N° 70252*
Black, glossy edge	*N° 70253*
White, matt edge	*N° 70254*
Black, matt edge	*N° 70255*

Corlo Push Buttons M-T

- Matt or glossy chromed edge (custom colours on request), white or black glass
- Available as single push button Corlo M1-T and as double push button Corlo M2-T
- Integrated temperature sensor T-NTC
- Mounting with Frame Corlo in socket
- Approx. 80 × 71 × 12,5 (W × H × D, mm)

Corlo Push Buttons M1-T	
White, glossy edge	*N° 70282*
Black, glossy edge	*N° 70283*
White, matt edge	*N° 70284*
Black, matt edge	*N° 70285*
Corlo Push Buttons M2-T	
White, glossy edge	*N° 70286*
Black, glossy edge	*N° 70287*
White, matt edge	*N° 70288*
Black, matt edge	*N° 70289*

Corlo Push Buttons M-T, in glossy chromed frame

Corlo Power Outlet

- Matt or glossy chromed edge (custom colours on request), white or black glass
- Integrated increased contact protection
- Mounting with Frame Corlo in socket
- Approx. 80 × 71 × 12,5 (W × H × T, mm)

Corlo Power Outlet	
White, glossy edge	*N° 70318*
Black, glossy edge	*N° 70319*
White, matt edge	*N° 70330*
Black, matt edge	*N° 70331*

Corlo Power Outlet in glossy chromed frame

SOLEXA II

The wireless control Solexa II is used for shading, ventilation, brightness and heating control. Because of the modular structure different projects starting with the control of a single awning up to room climate control in a building can be realized. The basis is the battery-powered touch display. A temperature sensor and time functions are already integrated. By adding a radio motor control unit the shutter control is ready for use.
For extended functionality the display is completed with a weather station, which provides one connection for a drive. The control can be executed according to light, temperature and wind/rain. Thus an awning, blind or a window can be controlled automatically. With alternate radio modules, light (switchable or dimmable) and heaters (1 stage/2 stage) can be connected. In addition to the own display of Solexa II, further Solexa II displays, remote controle Remo 8, push buttons Corlo P RF or an Elsner RF push button interface, can be used for manual control.

Radio Control Solexa II

Modular structure for maximum flexibility:
➔ see graphic on page 18
- Display and weather station are available separately or as a set
- Extension with Elsner radio modules and operating devices

Simple, time saving installation via radio communication. Ideal solution for retrofitting, for listed historic buildings and so on.

Functions display (without weather station):
- Timer for shutter
- Timer for light
- Automatic heating depending on temperature and time

Additional functions of display with weather station:
- Automatic shading depending on brightness and indoor temperature; time control
- Automatic ventilation dependingng on indoor and outdoor temperature; time control
- Rain/wind and frost protection (can be switched off)
- Storage of a movement position for automatic mode, for blinds also slat angle
- Automatic light control depending on brightness and time

Solexa II Display N° 10144
Solexa II Weather Station N° 10148
Solexa II Set N° 10150
WLAN Interface SOL N° 10154

Display Solexa II

- Touch display
- Integrated room temperature sensor, timer
- 15 outputs for Elsner RF radio modules and 1 radio output for weather station
- 32 inputs for Elsner RF radio operating devices
- Housing for surface mounting, ca. 107 x 112 x 14 (W x H x D, mm)
- Integrated battery (5 V), charging via USB cable

Weather Station Solexa II

- Collection of temperature, precipitation, wind speed, light (1 sun sensor)
- Connection for 230 V motor (integrated radio motor control unit)
- Approx. 96 x 77 x 118 (W x H x D, mm), IP 44, white/translucent, combined fixture for wall/pole
- Operating voltage 230 V AC

WLAN Interface SOL

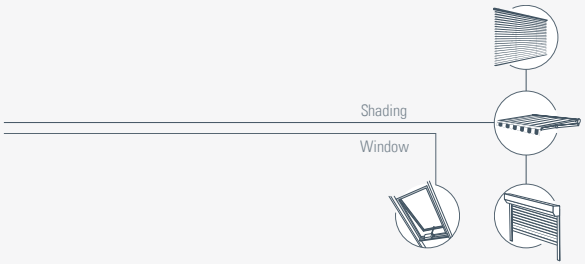
- Communication Interface for Solexa II for wireless networks
- Allows cotrol via smartphone app and the display of measured values and device status in the network

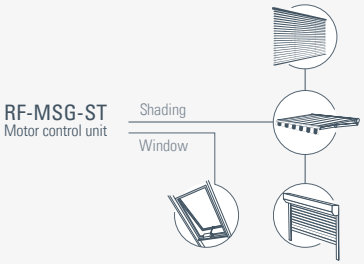
OVERVIEW SOLEXA II WITH WEATHER STATION

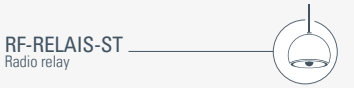
e. g. Remote Control Remo 8,
Push Buttons Corlo P RF, Push
Button Interface RF-B2-UP

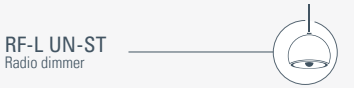
Weather Station Solexa II
with 1 connection for drive

Display Solexa II
15 outputs for radio modules
1 radio output for weather station
32 inputs for operating devices









VENTILATION CONTROL

The Ventilation Controls combine sensor technology and control engineering in a compact 55 mm housing. The setting of the nominal value is carried out on the device itself via its integrated buttons and display. The connected window or ventilation unit can be controlled directly through the buttons on the device. Analog outputs (0… 10 V) pass on measurements to other systems if needed. Inputs enable the automatic to be interrupted by external switch signals (from push buttons, timer, motion detector, rain alarm).

Indoor Sensor with Ventilation Control TH PF-U and AQS/TH PF-U

- For 1 window or ventilation unit (outputs potential free, 50 V/100 mA)
- Automatic function for ventilation (1- or 2-step control)
- Adjustable automatic reset time after manual operation (5...120 min.)
- For indoor use
- Display showing measurements and setting menus
- Push buttons for manual operation (open/close) and for automatic settings
- 2 inputs for central command (on permanent voltage priority over local operation and automatic, e. g. for rain alarm from rain sensors R24 V or RW-PF)
- For wall mounting in a socket
- Housing plastic white (glossy), aluminium, anthracite or stainless steel (painted, matt)
- Completion with frame of the switching series used in the building (not included in scope of delivery)
- Dimensions of housing approx. 55 x 55 (W x H, mm), mounting depth 15 mm
- Operating voltage: 24 V DC

TH PF-U:

- Temperature sensor (-10…+50°C)
  Humidity sensor (0…95%rF)
- Voltage outputs (0…10 V) for temperature value and humidity value

TH PF:

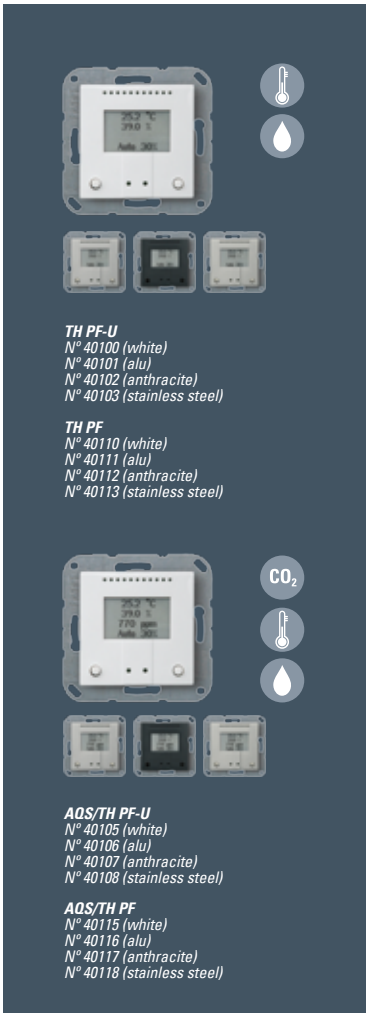
- Temperature sensor (-10…+50°C)
  Humidity sensor (0…95%rF)

AQS/TH PF-U:

- Temperature sensor (-10…+50°C)
  Humidity sensor (0…95%rF)
  CO_2 sensor (0…2000 ppm)
- Voltage outputs (0…10 V) for temperature value, humidity value, CO_2 value

AQS/TH PF:

- Temperature sensor (-10…+50°C)
  Humidity sensor (0…95%rF)
  CO_2 sensor (0…2000 ppm)



TH PF-U
N° 40100 (white)
N° 40101 (alu)
N° 40102 (anthracite)
N° 40103 (stainless steel)

TH PF
N° 40110 (white)
N° 40111 (alu)
N° 40112 (anthracite)
N° 40113 (stainless steel)

AQS/TH PF-U
N° 40105 (white)
N° 40106 (alu)
N° 40107 (anthracite)
N° 40108 (stainless steel)

AQS/TH PF
N° 40115 (white)
N° 40116 (alu)
N° 40117 (anthracite)
N° 40118 (stainless steel)

RADIO MODULES

RF-WL
N° 60538

RF-WL 0-10 V
N° 60539

Wireless Ventilation Module

- Wireless control for ventilation units WL400,WL800 and WL-Z
- A signal at the motion detector input starts ventilation (extraction with 40%)
- Flush mounting in a socket
- Approx. 50 x 50 x 54 (W x H x D, mm)
- Operating voltage: 230 V AC

RF-WL:

- Additional ventilation levels can be triggered via 3 inputs (60%, 80%, 100% ventilation performance)

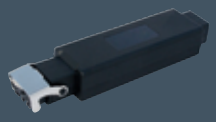
RF-WL 0-10 V:

- Additional ventilation levels can be triggered via 2 inputs (60% or 80% ventilation performance)
- Voltage input 0-10 V DC (1-10 V equal to ventilation-performance proportional 10-100%)
- 24 V DC voltage output (max. 200 mA)

N° 60547

Radio Dimmer RF-L-UP 1-10 V

- For 1 group of lamps with electronic ballast (EVG), LED converter or electronic power supply for low-voltage technology
- Automatic and manual control via WS1 and (KNX) WS1000 Color/Style (as of version 1.818)
- Direct manual control with Remote Control Remo 8, Push Buttons Corlo P RF or with RF-B2-UP
- 230 V switching output (6 A)
- 1-10 V control unit (dimming 1-100%)
- Flush mounting in a socket
- Approx. 50 x 50 x 54 (W x H x D, mm)
- Operating voltage: 230 V AC



N° 60546

Radio Heating Module RF-HE-ST

- For radiant heater with 2 heating levels
- 50%, 100%, maximum of 16 A
- Automatic and manual control via WS1 and (KNX) WS1000 Color/Style (as of version 1.818)
- Direct manual control with Remote Control Remo 8, Push Buttons Corlo P RF or with RF-B2-UP
- Housing with STAS3 plug/STAK3 coupling
- Approx. 149 x 36 x 25 (W x H x D, mm)
- Operating voltage: 230 V AC

N° 60530

Radio Relay RF-Relais-N

- Adapter plug for plug/power outlet CEE 7/4 for 1 consumer load max. 16 A/230 V
- Automatic and manual control via WS1 and (KNX) WS1000 Color/Style (as of version 1.20)
- Direct manual control with Remote Control Remo 8, Push Buttons Corlo P RF or with RF-B2-UP
- Approx. 54 x 86 x 80 (W x H x D, mm)

WEATHER STATIONS

P04i-GPS Weather Station

- For WS1 and (KNX) WS1000 Color/Style
- Temperature, precipitation, wind speed and brightness recording
- Sun position calculation by the control system
- GPS receiver (time, position)
- Combi mount for wall/pole mounting
- Housing for surface mounting, IP 44, white/translucent
- Approx. 62 x 71 x 145 (W x H x D, mm)
- Operating voltage: 24 V DC

N° 30136

P04/3-RS485 Weather Stations

- RS485 data output
- Temperature sensor (-30…+50°C)
- 3 brightness sensors (east, south, west, 0…150 000 lx)
- Wind speed sensor
- Heated precipitation sensor
- Housing for surface mounting, IP 44, white/translucent
- Approx. 62 x 71 x 145 (W x H x D, mm)

P04/3-RS485-GPS:
- GPS receiver
- Calculation of the position of the sun (azimuth/elevation)
- Output of UTC
- Operating voltage: 24 V DC

P04/3-RS485-CET:
- GPS receiver
- Calculation of the position of the sun (azimuth/elevation)
- Output of the central european time CET, automatic summer/winter time switchover according to the specifications for central europe
- Operating voltage: 24 V DC

P04/3-RS485 basic:
- No time function
- Operating voltage: 12...40 V DC (12...28 V AC)

P04/3-RS485-GPS
N° 30152

P04/3-RS485-CET
N° 30153

P04/3-RS485 basic
N° 30154

MOTOR CONTROL UNIT

Motor Control Unit MSG1-UP 24V PS

- For a 24 V DC polarity changer motor, integrated power supply unit (230 V AC to 24 V DC, 0.5 A)
- Non-wearing, noiseless electronical output
- For central and manual control of shading or window
- Central inputs up/stop and down/stop
- Manual inputs up/stop and down/stop
- Flush mounting in a socket
- Approx. 50 x 50 x 54 (W x H x D, mm)
- Operating voltage: 230 V AC

N° 70452

German Design Award NOMINEE 2015

DESIGN AWARD 2015

reddot award 2014 winner

DESIGN PLUS powered by: ISH

AWARD-WINNING PRODUCTS:
WL400 + WL800: Red Dot Winner
WL-Z, WL400 + WL800: German Design Award Nominee, Design Plus, iF Design Award

VENTILATION UNITS FOR GLAS FACADES AND CONSERVATORIES

The ventilation units WL are used in glass facades or conservatories instead of a regular glass pane. The motorised fans WL400 and WL800 extract (exhaust) or recirculate (recirculation) air. The devices can be mounted at any angle from flat roof to the vertical facade. The air supply unit WL-Z is installed in the skirting and provides fresh air. The housing is flush on the inside and can be therefore used in the immediate vicinity of sliding doors. The integrated diffusor distributes the air evenly and without draught in the room.

The thermal separation of the inside and outside and tightly closing, self-locking flaps minimize heat loss. The engaged fans work energy-efficient and with low noise.

To get the perfect match with the design of supporting structure, the colour of the powder coating can be selected out of the RAL scale. On request, color powder provided by the customer is used for coating.

Ventilation units WL are controlled via radio by the automatic mode of the control units WS1 and WS1000 Color/Style. The automatic ventilation functions also use values of the integrated temperature sensors. For direct manual control the Remote Control Remo 8 or Elsner radio push buttons like Corlo P RF and push button interface RF-B2-UP are used.

Ventilations Units Series WL

- Panel compression strength approx. 350 kPa
- U-value approx. 0,9 W/m²K
- Silicone-free, suitable for self-cleaning glazing
- Standard colours: similar to RAL 9016 traffic white, RAL 9006 aluminium white, RAL 9007 aluminium grey
- Custom colours available as per RAL, coating with custom colour powder possible; custom panel dimensions/hights available (extra charges apply)
- Operating voltage: 230 V, 50 Hz
- Radio frequency 868,2 MHz

Ventilations Units WL 400 and WL800

- Exhaust and recirculation modes (heat recovery, condensation reduction)
- Integrated temperature sensor (for recirculation)
- Low-noise fan (acoustic pressure WL800, exhaust mode, distance 3 m, full speed: approx. 47 dBA)
- Available for roof sloping from 0° to 90°
- Standard panel approx. 1050 x 30 x 580 (W x H x D, mm), can be trimmed
- Fan dimensions: Depth approx. outside 304 mm, inside 254 mm
- Installation height approx. outside 150 mm, inside 165 mm (at panel hight 30 mm; other hights: installation height inside changes accordingly)

Ventilation Unit WL400

- Air volume extraction max. approx. 277 m3/h (net)
- Infinite variation, power consumption approx. 4 W (minimum speed) up to 62 W
- Fan width: approx. 379 mm

Ventilation Unit WL800

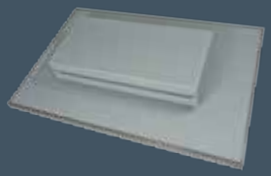
- Air volume extraction max. approx. 555 m3/h (net)
- Infinite variation, power consumption approx. 8 W (minimum speed) up to 124 W
- Fan width: approx. 651 mm

Standard panel WL

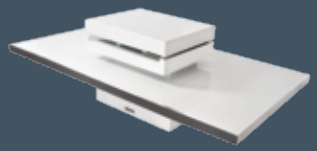
N° 60461 WL800, RAL 9016
N° 60462 WL800, RAL 9006
N° 60463 WL800, RAL 9007
N° 60465 WL800, custom, 1-colour
N° 60466 WL800, custom, 2-colour
(N° 60471-N° 60476 WL800 pre-cut)

N° 60481 WL400, RAL 9016
N° 60482 WL400, RAL 9006
N° 60483 WL400, RAL 9007
N° 60485 WL400, custom, 1-colour
N° 60486 WL400, custom, 2-colour
(N° 60491-N° 60496 WL400 pre-cut)

Inside view WL800, white RAL 9016, fine structure



Exterior view WL800, grey RAL 9007, fine structure



Exterior view WL400, white RAL 9016 , silk gloss

Air Supply Unit WL-Z

- Air feed on a reflow basis, volume of air dependent on pressure difference
- Pollen and insect screens available separately
- Air flow cross-section approx. 19.200 mm²
- Power input max. 5 W
- Integrated temperature sensor for summer and winter mode
- Fan approx. 641 x 207 (B x T, mm), installation height outside ca. 60 mm, inside flush-mounted
- Standard panel approx. 1050 x 30 x 270 mm (B x H x T), can be trimmed on 3 sides

Standard panel WL-Z

N° 60502 WL-Z, RAL 9016
N° 60503 WL-Z, RAL 9006
N° 60504 WL-Z, RAL 9007

N° 60505 WL-Z, custom, 1-colour
N° 60506 WL-Z, custom, 2-colour
(N° 60513-N° 60517 WL-Z pre-cut)

Inside view

Exterior view

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