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New Products 2012

Building Control, Conservatory Technology, KNX
March 2012

WS1000 Style and WS1 Style

Control Systems for Buildings and Conservatories



WS1000 Style and WS1 Style are operating and control units for building technology and ensure an optimal shading and ventilation, comfortable room conditions and efficient illumination. The touch screen of the control is the centre for the setting of automatic functions and for manual operation. The precious glass surface reflects the glass architecture of conservatories, private homes and commercial buildings.

Besides the control of room conditions, the controls offer safety and comfort functions. For example the building can be protected by motion detectors and video cameras. Individual wishes can be realised with the flexible connections, e. g. the switching of a pond pump. Even the extension of the system at a later date is possible thanks to radio modules (relays, motor control units, sensors). The Control System WS1000 Style can also be connected to the building bus systems KNX and Enocean.



Central unit,
indoor sensor, white/grey



Central unit,
indoor sensor, dark grey/black



Weather station

Colour white/grey:

WS1000 Style-4	N° 60201
WS1000 Style-6	N° 60202
WS1000 Style-8	N° 60203
WS1000 Style-10	N° 60204
WS1000 Style-4 PF	N° 60211
WS1000 Style-6 PF	N° 60212
WS1000 Style-8 PF	N° 60213
WS1000 Style-10 PF	N° 60214

Colour dark grey/black:

WS1000 Style-4	N° 60206
WS1000 Style-6	N° 60207
WS1000 Style-8	N° 60208
WS1000 Style-10	N° 60209
WS1000 Style-4 PF	N° 60216
WS1000 Style-6 PF	N° 60217
WS1000 Style-8 PF	N° 60218
WS1000 Style-10 PF	N° 60219

Building Control System WS1000® Style Available from 3rd quarter of 2012

- Scope of delivery: central unit, indoor sensor and weather station

Central Unit WS1000 Style:

- 4, 6, 8 or 10 drive outputs, either 230 V or potential-free (version PF). For shadings, windows, sliding doors
- 4 Multifunctional outputs for heating, cooling, ventilation, alarm system, light, dimmer, gutter heating
- 4 Multifunctional inputs for motion and smoke detectors, door contact, signal of a cooling, of a camera or for reset
- 32 Radio channels for special radio relays, motor control units, ventilation units, sensors and for remote control
- Connection for 10 external push buttons
- Embedding in the KNX bus system or Enocean via optional interfaces
- Display of pictures/slideshow on screen (via SD card)
- Settings can be saved on SD card
- Glass face in white/grey or in dark grey/black with reflective coating, with colour touch display 8.4 inches

- For wall or cavity wall mounting
- Dimensions approx. 270 x 185 (W x H, mm), mounting depth approx. 9 mm, concealed box approx. 254 x 171 x 85 (W x H x D, mm)
- Operating voltage: 230 V AC

Indoor Sensor WGTH-UP:

- Measurement of temperature, air humidity
- Radiocommunication with the central unit
- For wall mounting in a socket
- Housing plastic white (glossy) or alu (painted, matt)
- Includes frame (housing suitable for all frames of 55 mm switching series)
- Operating voltage: 7...30 V DC

Weather Station P03i-GPS:

- Captures temperature, precipitation, wind speed, brightness (calculation of the position of the sun by the control)
- GPS receiver (time, position)
- Combined mounting bracket for wall or pole mounting
- Operating voltage: 24 V DC

Building Control System WS1® Style Available from 3rd quarter of 2012

- Scope of delivery: central unit with integrated indoor sensor and weather station

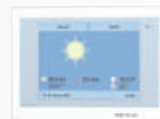
Central Unit WS1 Style:

- 1, 2, 3 or 4 drive outputs, either 230 V or potential-free (version PF). For shadings, windows, sliding doors. Also available without drive outputs
- 2 Multifunctional outputs for heating, cooling, ventilation, alarm system, light, dimmer, gutter heating
- 2 Multifunctional inputs for motion and smoke detectors, door contact, signal of a cooling, of a camera or for reset
- 32 Radio channels for special radio relays, motor control units, ventilation units, sensors and for remote control
- Connection for 4 external push buttons
- Integrated temperature/humidity sensor
- Display of pictures/slideshow on screen (via SD card)

- Settings can be saved on SD card
- Glass face in white/grey or in dark grey/black with reflective coating, with colour touch display 5.7 inches
- For wall or cavity wall mounting
- Dimensions approx. 181 x 131 (W x H mm), mounting depth approx. 8 mm, concealed box approx. 172 x 122 x 81 (W x H x D, mm)
- Operating voltage: 230 V AC

Wather Station P03i-GPS:

- Captures temperature, precipitation, wind speed, brightness (calculation of the position of the sun by the control)
- GPS receiver (time, position)
- Combined mounting bracket for wall or pole mounting
- Operating voltage: 24 V DC



Central unit white/grey



Central unit dark grey/black



Weather station

Colour white/grey:

WS1 Style-0	N° 60180
WS1 Style-1	N° 60181
WS1 Style-2	N° 60182
WS1 Style-3	N° 60183
WS1 Style-4	N° 60184
WS1 Style-1 PF	N° 60191
WS1 Style-2 PF	N° 60192
WS1 Style-3 PF	N° 60193
WS1 Style-4 PF	N° 60194

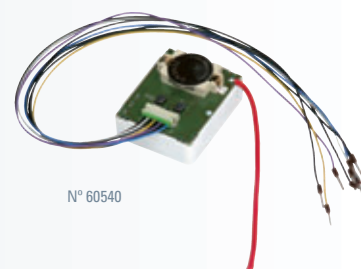
Colour dark grey/black:

WS1 Style-0	N° 60185
WS1 Style-1	N° 60186
WS1 Style-2	N° 60187
WS1 Style-3	N° 60188
WS1 Style-4	N° 60189
WS1 Style-1 PF	N° 60196
WS1 Style-2 PF	N° 60197
WS1 Style-3 PF	N° 60198
WS1 Style-4 PF	N° 60199

New Radio Accessories for WS1 and WS1000

Radio Push Button Interface RF-B2-UP

- Radio Interface for 2 normal double switches
- Radio frequency 868,2 MHz
- Power supply: 3 V battery type CR2032
- Dimensions approx. 38 x 47 x 29 (W x H x D, mm)
- Connection lead 300 mm, can be extended up to 10 m
- For controls as of version 1.597



N° 60540

Additional Antenna

- Improves reception/transmission intensity
- Connection at the display board
- Total length of antenna with cable approx. 565 mm



N° 60131

Building Technology

Control Systems, Motor Control Units, Sensors



N° 10135

Window Control Arexa® 24 V



- Central control for windows at motor control units, central output at the weather station
- Complete system: control unit (with indoor temperature sensor) and weather station
- Automatic ventilation functions depending on indoor and outdoor temperature
- Rain and wind protection (may be switched off)
- Storage of an opening position for automatic mode

Control Unit:

- Housing plastic white
- For wall mounting
- Dimensions approx. 103 x 98 x 28 (mm)
- Operating voltage: 2 x 1.5 V (batteries AA) or 1.2 V (storage batteries AA)

Weather Station:

- Temperature sensor
- 1 Brightness sensor
- Wind speed sensor
- Precipitation sensor with 1.2 watt heating
- Mounting bracket for wall/pole mounting
- Housing for surface mounting, IP 44, white
- Dimensions approx. 96 x 77 x 118 (mm)
- Operating voltage: 13...24 V DC, 12...30 V AC

Accessories: (not included in delivery)

- Radio Remote Control Remo 8
- MC Units IMMSG-UC, MSG1-UP



N° 70451

Motor Control Unit MSG1-UP

- For 1 drive (230 V AC / 4 A, up/down)
- For central and manual control of shading or window
- Low-wear zero crossing switch
- Pause to reverse direction 1 second
- Central input 8...28 V, Modes *dead man* or *latch*

- Manual input for unlocked push buttons (8...28 V), integrated automated time system for buttons (step movement/end position)
- Built-in type for assembly in junction box
- Dimensions approx. 38 x 47 x 29 (W x H x D, mm)
- Operating voltage: 230 V AC, 50 Hz



N° 30155

Rain/Wind Sensor RW-PF



- Wind speed sensor
- Precipitation sensor with 1.2 watt heating
- Potential-free outputs for wind and rain alarm
- Setting of the wind threshold value via DIP switches inside the device

- LEDs show wind/rain alarm inside the device
- Surface mounting
- Housing IP 44, white/translucent
- Dimensions approx. 96 x 77 x 118 (W x H x D, mm)
- Operating voltage: 12-40 V DC (12-28 V AC)

Corlo Touch

Touch Switch and Display for KNX®

The Display Corlo Touch is not larger than a normal wall switch, but can be used for different needs:



Thanks to the touch sensitive surface, it can be used as a normal switch or a double switch.

At the same time, the high-resolution screen is perfect for display of graphic arts. Thus the Corlo Touch Display also is an operation unit for automatic sun screen and ventilation. Needless to say that all adjustments are set using easy, illustrated menus.

Current measured values and messages from the KNX bus system or pictures can also be shown on screen.



Touch Switch with Display Corlo Touch Available from 3rd quarter of 2012

- Touch sensitive surface 3.5 inches
 - Different possibilities for use: touch switch, setting of automatic functions, info screen
 - Illuminated frame, colour can be set individually (RGB)
 - Integrated proximity sensor: display can be switched off and activated only on approach
 - Integrated brightness sensor e. g. for automatic adjustment of display lighting
 - Internal automatic functions for ventilation, shading (sun protection/screen) and room conditions (heating, cooling)
 - KNX plug connector for data transfer
 - 4 Inputs (binary input or for temperature sensor)
 - Slot for Mini SD card
 - USB interface
 - Frame chrome-plated glossy or matt-finished (special colours on request), glass white or black
 - For wall mounting in a socket
 - As 1-gang, 2-gang or 3-gang frame
 - Dimensions 1-gang approx. 81 x 81, 2-gang approx. 81 x 153, 3-gang approx. 81 x 224 (W x H, mm), mounting depth approx. 11 mm
 - Operating voltage: 12...40 V DC
- Accessories:** (not included in delivery)
- Temperature sensor T-PT



1-gang, chromed glossy, white
3-gang, chromed glossy, black

Corlo Touch
White N° 70260
Black N° 70261

Frame chromed glossy
1-gang N° 70264
2-gang N° 70265
3-gang N° 70266

Frame chromed matt
1-gang N° 70267
2-gang N° 70268
3-gang N° 70269

Central Control Units

Operation and Setting in the Bus System



N° 70197 (white)
N° 70198 (black)

Touchpanel for Room Automation

 Available from 3rd quarter 2012



- Free configurable display and operation elements
- Graphical weather data display
- Internal automatic functions for shading (sun protection/screen), room conditions (heating, cooling, ventilation) and illumination
- Bus functions for time and scene control
- Integrated temperature/humidity sensor
- 4 Binary inputs (e. g. for push buttons)
- KNX plug connector for data transfer

- Glass face in white/grey or in dark grey/black with reflective coating, with colour touch display 5.7 inches
- For wall or cavity wall mounting
- Dimensions approx. 181 x 131 (W x H mm), mounting depth approx. 8 mm, concealed box approx. 172 x 122 x 81 (W x H x D, mm)
- Operating voltage: 12...28 V AC (12...40 V DC)

Accessories: (not included in delivery)

- Radio Remote Control Remo 8



N° 70193 (weiß)
N° 70194 (black)

Control System KNX WS1000 Style Available from 3rd quarter of 2012



- Graphical weather data display
- Internal automatic functions for shading (awning, blind, roller shutter)
- Internal automatic functions for ventilation (window, ventilation unit)
- Internal control of illumination
- Time switch
- KNX plug connector for data transfer
- 32 Radio channels for special radio relays, motor control units, ventilation units, sensors and for remote control
- Supply of weather data via KNX or by direct connection of a weather station
- Display of pictures/slideshow on screen (via SD card)

- Glass face in white/grey or in dark grey/black with reflective coating, with colour touch display 8.4 inches
- For wall or cavity wall mounting
- Dimensions approx. 270 x 185 (W x H, mm), mounting depth approx. 9 mm, concealed box approx. 254 x 171 x 85 (W x H x D, mm)
- Operating voltage: 230 V AC

Accessories: (not included in delivery)

- Weather Station P03i-GPS
- Interface for 2 video cameras
- Radio Relays RF Relay and Motor Control Units RF-MSG
- Radio Ventilation Units WFL, WL305, WL610
- Radio Temperature Sensor WGT and Thermo/Hygrometer WGTH-UP
- Radio Remote Control Remo 8



N° 70250

Push Button Interface KNX B4-UP

- 4 Binary inputs for conventional push buttons or auxiliary contacts
- Dimensions approx. 38 x 47 x 29 (W x H x D, mm)

- Connection lead 300 mm, can be extended up to 10 m
- Operating voltage: bus voltage

Indoor Sensor for Mixed Gas KNX VOC-UP basic Available from 3rd quarter of 2012



- Mixed gas sensor captures volatile organic compounds (0...5000 ppm)
- For interior spaces
- Calculation of mixed values
- PI controller for ventilation
- 2 Actuating variable comparators
- 4 Switching outputs (with limit values)
- 8 AND and 8 OR logic gates (4 inputs each, each output 1 bit or 2x8 bits)
- 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
- Auxiliary voltage: 12...24 V DC



N° 70244 (white)
N° 70245 (aluminium)
N° 70246 (anthracite)
N° 70247 (stainless steel)

Combined IndoorSensor KNX AQS/TH-B-UP



- CO₂ sensor (0...5000 ppm)
- Temperature sensor (-10...+50°C)
- Humidity sensor (0...100%RH)
- Calculation of dewpoint
- For interior spaces
- Display for measured values and bus data (e. g. date, time)
- Push buttons for changing the ambient temperature (target value) at the device or as bus buttons
- Calculation of mixed values
- Monitoring of the comfort field (DIN 1946)
- PI controller for heating/cooling (temperature)
- PI controller for ventilation (CO₂, humidity)
- 2 Actuating variable comparators
- 11 Switching outputs (with limit values)
- 8 AND and 8 OR logic gates (4 inputs each, each output 1 bit or 2x8 bits)
- 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: bus voltage
- Also available as KNX AQS/TH-UP basic (without display, without buttons)



N° 70239 (white)
N° 70240 (aluminium)
N° 70241 (anthracite)
N° 70242 (stainless steel)

Actuators

for the Bus System



N° 70137

Multifunctional Actuator KNX S4-B10 230 V



- 4 Outputs. Each output controls one drive (up/down) or two switchable devices (on/off)
- Integrated shading control for each output (with tracking of the slats)
- Blocking, locking (master – slave), priority settings (e.g. manual – automatic)
- Storage of a movement position
- 16 Channel scene control
- 10 Binary inputs (for direct operation or as a bus push button)
- 4 Pairs of push buttons and control LEDs for direct operation at the device
- Modular device 6 width units, white, dimensions approx. 107 x 88 x 60 (W x H x D, mm)
- Operating voltage: 230 V AC



N° 70138

Actuator KNX S4-B12 24 V Available from 3rd quarter of 2012



- 4 Outputs for 24 V DC drives (up/down)
- Integrated shading control for each output (with tracking of the slats)
- Blocking, locking (master – slave), priority settings (e.g. manual – automatic)
- Storage of a movement position
- 16 Channel scene control
- 12 Binary inputs (for direct operation or as a bus push button)
- 4 Pairs of push buttons and control LEDs for direct operation at the device
- Modular device 6 width units, white, dimensions approx. 107 x 88 x 60 (W x H x D, mm)
- Operating voltage: 24 V DC



N° 70139

Control Module for Door Drives KNX A2-B2



- 2 Outputs for control of a door
- 2 Binary inputs (for status query or as a bus push button)
- Dimensions approx. 38 x 47 x 29 (W x H x D, mm)
- Operating voltage: bus voltage

Power Supply Unit KNX PS640 USB Available from 3rd quarter of 2012

- 1 Output for KNX bus voltage, output current of max. 640 mA, short-circuit proof
- 1 Output for 24 VDC, output current of max. 150 mA
- USB connection for programming (ETS)
- Logging and display of short-circuits, over voltage, load, temperature
- Display of current consumption
- Reset of bus participants via keypad
- Modular device 7 width units, white, dimensions approx. 123 x 89 x 61 (W x H x D, mm)
- Operating voltage: 230 V AC



N° 70143

Power Supply Unit KNX PS640+USB Available from 3rd quarter of 2012

- 1 Output for KNX bus voltage, output current of max. 640 mA, short-circuit proof
- 1 Output for 24 VDC, output current of max. 150 mA
- USB connection for programming (ETS)
- Bus connector for data transfer to line/main line/area
- Logging and display of short-circuits, over voltage, load, temperature
- Display of current consumption
- Reset of bus participants via keypad
- Bus functions: transfer of malfunction messages and operating data, time/period reset, storage of malfunction messages
- Modular device 7 width units, white, dimensions approx. 123 x 89 x 61 (W x H x D, mm)
- Operating voltage: 230 V AC



N° 70144

Router with Power Supply Unit KNX PS640+IP Available from 3rd quarter of 2012

- 1 Output for KNX bus voltage, output current of max. 640 mA, short-circuit proof
- 1 Output for 24 VDC, output current of max. 150 mA
- Bus connector for data transfer to line/main line/area
- Logging and display of short-circuits, over voltage, load, temperature
- Display of current consumption
- Reset of bus participants via keypad
- Bus functions: transfer of malfunction messages and operating data, time/period reset, storage of malfunction messages
- Ethernet connection by RJ45 connector
- Routing (Ethernet as fast backbone for KNX data)
- Application as KNX line coupler
- Tunnelling (bus access via IP, remote maintenance via LAN)
- Modular device 7 width units, white, dimensions approx. 123 x 89 x 61 (W x H x D, mm)
- Operating voltage: 230 V AC



N° 70145



Building Automation and Conservatory Technology

Elsner Elektronik has been standing for intelligent solutions in the sector of automatic conservatory control systems and building automation since 1990. All products of Elsner are developed and manufactured at their company headquarters in Gechingen. A 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, EnOcean, RS485, Modbus). The central operating devices, the weather and the indoor sensors, the actuators or system devices – All products combine flexible technical solutions, comfortable operation and a forward-looking design.



made in germany



Test Laboratory for KNX Application Software

Elsner Elektronik is an accredited KNX test laboratory and carries out the interworking and functional tests required by the KNX Association. The DIN EN ISO/IEC 17025 certificate ensures that devices are tested according to the KNX standard.

The test laboratory works independently from the producer. Devices of different producers have been prepared here successfully for the KNX certification.

Elsner Elektronik offers different service packages. The cost-saving starter offer includes the participation of the manufacturer. When choosing the complete service package, even the registration with the KNX Association will be finished. Individual trainings familiarize the participants with the preparation of EITT test sequences.





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