DINUY

Dinulink KNX

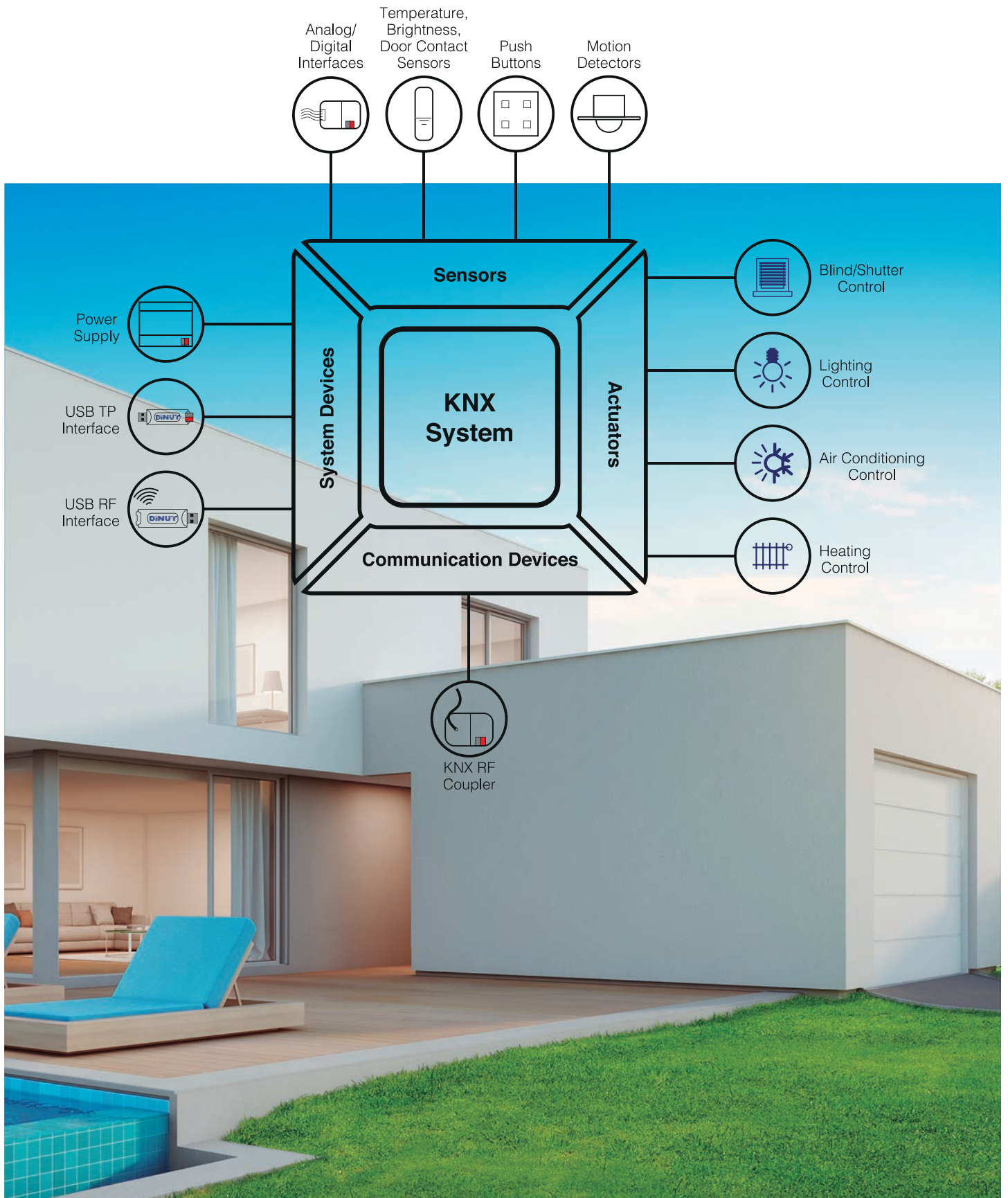**KNX: The worldwide STANDARD for home and building control!**

Based on the world-wide open standard KNX, DINUY provides home automation and tertiary buildings control solutions designed to maximize flexibility, comfort, safety and profitability, for new or renovated buildings.

The DINUY KNX product portfolio offers a broad and comprehensive portfolio, covering a wide range of requirements, applications and solution.

The KNX range from DINUY offers:

· System devices: they are needed for the fundamental functioning, programming and commissioning of the system.
- Power supply
- USB KNX-TP Interface
- USB KNX-RF Interface

· Sensors: they gather information and send it on the bus as a data telegram.
- Binary or Analog input
- Temperature, Brightness and Door/Window contact sensor
- Push-button
- Motion detectors

· Actuators: they receive data which are then converted into actions.
- Switch and Dimming actuator
- Blind/Shutter actuator
- HVAC actuator

· Communication devices: they are the gateway between the KNX Bus and othe transmiting media.
- KNX-RF Media Coupler

Analog/
Digital
Interfaces

Temperature,
Brightness,
Door Contact
Sensors

Push
Buttons

Motion
Detectors

Power
Supply

USB TP
Interface

USB RF
Interface

Sensors

System Devices

**KNX
System**

Actuators

Communication Devices

Blind/Shutter
Control

Lighting
Control

Air Conditioning
Control

Heating
Control

KNX RF
Coupler

Laüka

The Laüka series is a range of KNX multifunctional capacitive buttons.

The switch is formed by 4/8 tactile buttons where direct functions can be assigned to control lighting, move the blinds or memorize moments creating personalized scenes.

It incorporates temperature sensors and a configurable Thermostat function that can be adjusted from the ETS.
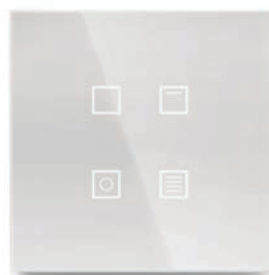
Its design and RGB lighting brings modernity and innovation style to the room.

Home, Commerce, Restaurants, Offices, Hotels, Lobbies, Auditoriums...

Versatility

The button is created to meet the diverse needs
of both professional and private types of installations.

Backlight customizable
Custom light color

Materials
Copper   Chrome   Brass   Wood

Backlight customizable
Custom light color

Materials
Copper   Chrome   Brass   Wood

Integration

For the perfect integration in all types of interiors, the Laüka range consists of different types of finishes and materials.

Laüka 4 button model

Control

The Laüka series is a range of KNX multifunctional capacitive buttons.

A switch designed to provide full control to the user over the lighting, the blinds and, in turn, the ability to memorize scenes to generate desired atmospheres at any time.

Quality

The visible quality of the product originates from good workmanship of its materials.

Consisting of the use of three materials creating a resistant and long-lasting unit.

The LED indicators of the tactile buttons assure perfect functionality bit by day and by night.

Functionality

The switch is formed by 4 tactile buttons where direct functions can be assigned to control lighting, move the blinds or memorize moments creating personilized scenes.

It incorporates temperature sensors and a configurable Thermostat function that can be adjusted from the ETS.

Speed

The switch can be easily and rapidly installed and prepared for use. Only two cables are needed from the KNX bus.

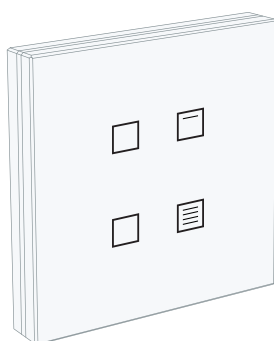· Glass tactile surface
· 4 pressing areas
· Luminous control icons (LED)

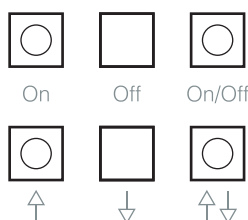· The LEDs illuminating the icons can be programmed
· Built-in Bus Coupling Unit
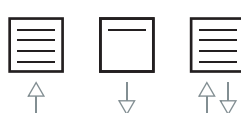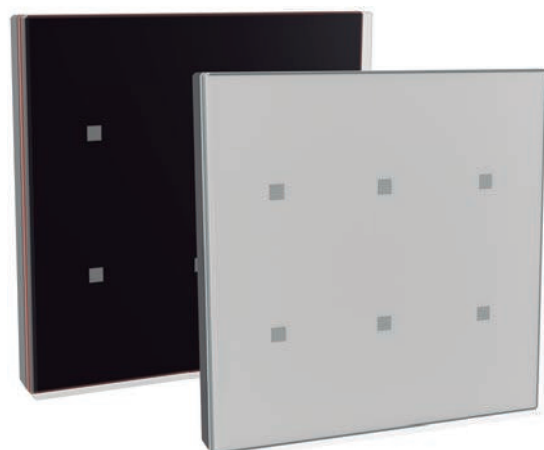· Incorporated temperature sensor

4-button switch

Light

| On | Off | On/Off |

Blind

NEW CONFIGURATOR!
decide the desing of your Laüka.
Choose the frame, icons and add you logo!

www.lauka-configurator.dinuy.com

Scenarios

Day   Night

LaükaDot

New range of KNX capacitive switches. New design combining glass with
noble frames finishes. Lighted dots make a light and modern design.
There are two different combinations between glass and frames.
Black glass with copper frame and white glass with chrome frame.
Built-in temperature sensor and a configurable thermostat function adjustable
by ETS.

Functionality

The range is composed by switches with
2, 4, 6 & 8 keys where direct functions
can be assigned to control lighting,
move the blinds or memorize moments
creating personilized scenes.

It incorporates temperature sensors and a
configurable Thermostat function that can
be adjusted from the ETS.

Control

LED lighted key dots. Color of dots
can be chosen from the ETS.

They incorporate a temperature sensor.

Different scenes can be memorized to
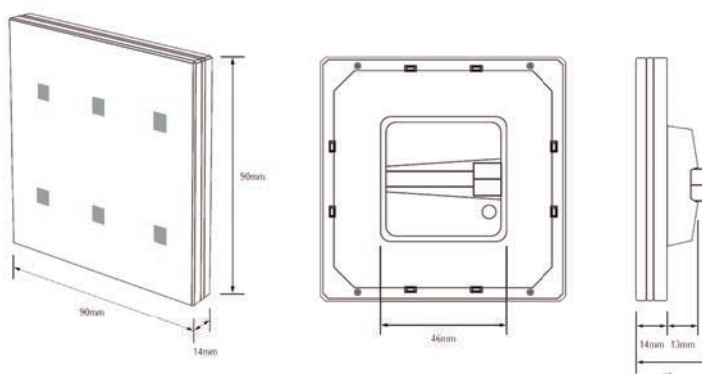create various ambiences and
atmospheres.

Quality

Top level finishes. Glass tactile surfaces.

Different pushing areas depending on
the models.

From 2 up to 8 programable dots.

Dimensions

All the range has
the same dimensions.

TM KNT 001: Touch Room Temperature Controller

KNX Room Temperature Glass Controller which measures the room temperature and humidity and displays the current value.

Includes 6 capacitive buttons:
  · 2 buttons (+/-) for adjustment of the room temperature.
  · 1 button for switching on/off the system.
  · 1 button for adjustment of the fan speed.
  · 2 buttons for free configuration and functionality.

The Display shows the actual temperature or humidity value or the target value setpoint shift.

Incorporates 2 Analog/Digital Inputs.

Built-in Thermostat function for a heating or/and a cooling system.

The room temperature can optionally be sensed by the embedded temperature sensor or by an external temperature sensor connected to the terminal input (mixed value).

Integrated Relative Humidity sensor for controlling actuators for ambient humidity control.

The 2 free capacitive buttons can be configured for switching on/off, dimming, controlling shutters/blinds, managing scenes, etc.

The room temperature controller and pushbutton function are each independent sections of the device with their own parameter blocks in the ETS.

Flush-mounting design device. Mounting is done in common standard flush-mounted device boxes.

Equipped with KNX bus coupling unit (BCU).

Configuration is made using the KNX software ETS5 or later version.

Decrease Temperature setpoint

Switch the system On/Off

Free configuration

Display Temperature/Humidity value

Display fan speed

Increase Temperature setpoint

Fan speed

Free configuration

EM KNT 001: Interface with 4 Digital Inputs/Outputs

Interface with 4 channels, which can either be configured as Digital Inputs or LED Outputs in the ETS software.

Digital Inputs can be connected to conventional push buttons or free-voltage contacts. LED Outputs can drive low voltage LEDs.

For each channel parameterized as Digital Input the following functions are available: switching, dimming, multiple switch, sequential switch, shutter/blind control, scene control, sending values or pulse counter.

The connecting lines of 30cm can be extended up to 10m.

The supply of the LED outputs is provided by the Interface. Therefore no additional power supply is required.

The LED outputs are protected against short circuits, overload and wrong polarity.

The compact design enables the device to be inserted in a conventional universal mechanism box, e.g. behind a push button or switch.

The bus connection is carried out via the bus-connecting terminal supplied.

Programming and commissioning by ETS4 or later.

EM KNT 002: Universal Interface with 4 Analog/Digital Inputs

Universal Interface with 4 channels, which can either be configured as Digital or Analog Inputs in the ETS software.

Digital Inputs can be connected to conventional push buttons or free-voltage contacts.

For each channel parameterized as Digital Input the following functions are available: switching, dimming, multiple switch, sequential switch, shutter/blind control, scene control, sending values or pulse counter.

Analog Inputs can be connected to external temperature probes (ST KNT 001 or ST KNT 002).

Four Thermostats for the control of heating/cooling control systems can be configured and enabled.

The connecting lines of 30cm can be extended up to 10m.

The inputs are protected against short circuits, overload and wrong polarity.

The compact design enables the device to be inserted in a conventional universal mechanism box, e.g. behind a push button or switch.

The bus connection is carried out via the bus-connecting terminal supplied.

Programming and commissioning by ETS4 or later.

EM KNT 003: Interface with 8 Digital Inputs/Outputs

Interface with 8 channels, which can either be configured as Digital Inputs or LED Outputs in the ETS software.

Digital Inputs can be connected to conventional push buttons or free-voltage contacts. LED Outputs can drive low voltage LEDs.

For each channel parameterized as Digital Input the following functions are available: switching, dimming, multiple switch, sequential switch, shutter/blind control, scene control, sending values or pulse counter.

The connecting lines of 30cm can be extended up to 200m.

The supply of the LED outputs is provided by the Interface. Therefore no additional power supply is required.

The LED outputs are protected against short circuits, overload and wrong polarity.

The compact design enables the device to be inserted in a conventional universal mechanism box, e.g. behind a push button or switch.

The bus connection is carried out via the bus-connecting terminal supplied.

Programming and commissioning by ETS5 or later.

ST KNT 001 & ST KNT 002: Temperature Probes

ST KNT 001:
· NTC Epoxy Temperature probe.
· High accuracy and stability over a wide temperature range.
· A cable of 3m lenght is included.
· Ø7mm.

ST KNT 002:
· NTC Epoxy Temperature probe.
· High accuracy and stability over a wide temperature range.
· A cable of 0.5m lenght is included.
· Ø5mm.

DM KNT 001 / DM KNT 002 / DM KNT 003: Movement Detectors

KNX PIR motion detectors with luminosity sensor.

The lux level and time delay can be set with the control knobs, by using the IR remote control (EM MAN DM0) or via ETS.

One PIR sensor and a high resolution lens can detect the smallest movement.

The built-in light sensor measures the brightness on a continuous basis and compares it to the level preset on the control knob (or by means of the remote control EM MAN DM0 or by ETS).

Depending on the parameterization by ETS, this detectors can work as:
 · Motion detection: depending on the movement and the daylight.
 · Twilight switch: teach-in brightness threshold for daylight-dependent switching.
 · Constant light control: with dimming telegrams.
 · Signal monitoring: motion detection without brightness sensor.
 · Brightness sensor: light sensor without motion detection.
 · Temperature sensor: sends the temperature value.

Three different references:
 · DM KNT 001:
    · Flush ceiling mounted.
    · Detection area of 360° and maximum Ø7m at 2.5m high.
 · DM KNT 002:
    · Wall mounted.
    · Detection area of 180° and maximum 10m at 2m high.
 · DM KNT 003:
    · Flush mounted in universal mechanism box.
    · Detection area of 200° and maximum 8m.

Programming and commissioning by ETS3 or later.

DM KNT 001

DM KNT 002

DM KNT 003

DM KNT 004: Basic Movement Detector

PIR motion detector to be directly connected to input of EM KNT 002, EM K5X 004 or RE KNT LE3.

As soon as it detects a movement, and the light level is lower than the threshold value, an ON telegram will be sent to the input of the interface to which it is connected. After the time delay has elapsed, the OFF telegram will be sent. The timing is restarted every time a new movement is detected.

Lux level and Time Delay can be set via control knobs.

No external supply required.

Flush-ceiling mounting.

Coverage: 360o & Ø7m at 2,5m high.

IT KNT 001: 2-channel Switch or 1-channel Blind/Shutter Actuator

Multifunction actuator with 2 outputs for 1 blind/shutter control or 2 individual outputs.

Incorporates 2 free-voltage outputs with up to 16A switching capacity per channel.

Configured as blind/shutter operation mode:

· Switching of electrically operated venecian blinds, roller shutters, awnings and venting louvers.
· Safety functions: wind alarms, rain alarm, frost alarm and sun protection.
· Scene function, up to 8 scenarios can be predefined.

Configured as switching operation mode:

· Different functions can be enabled by the ETS: time functions (ON/OFF delay, staircase lighting timer with warning function) logic operation, forced-control function, scene control (up to 5), threshold function, etc.
· It allows manual control of its outputs thanks to the control knobs on the front (test).

Supplied by the Bus.

Modular housing for DIN-rail mounting. 1-module wide.

Programming and commissioning by ETS3 or later.

IT KNT 004 / IT KNT 012: 4/12-channel Switching Actuators

Modular switch actuators with 4 or 12 output channels for EIB/KNX Bus installations.

It is able to switch 4 or 12 independent electrical AC loads or three-phase loads by the switch actuators with maximum output of 16A per output
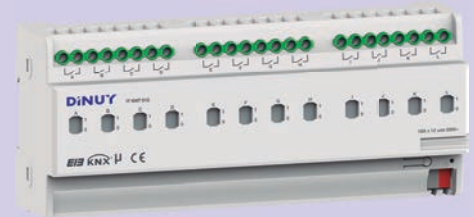
Manual operation on device by switch (even without bus connection).

There are same following programming functions for each output:

· Time function: on/off delay.
· Staircase function with the warning and adjustable staircase lighting time.
· Scene, preset control: 8bit/1bit.
· Logic operation: AND, OR, XOR, gate function.
· Status response.
· Forced operation and safe function.
· Threshold function setup.
· Control of electro thermal valve function.
· Selection of preferred status after bus voltage failure and recovery.

Modular housing for DIN-rail mounting. 4/12-module wide.

Programming and commissioning by ETS3 or later.

IT KNT 008: 8-channel Multifunction Switching Actuator

8-channel Switching Actuator or 4-channel Blind/Shutter Actuator.

Maximum switching capacity per channel up to 16A with 8 free voltage outputs.

Manual operation on device by pushbuttons for each channel even without bus connection.

Incorporates 12 Analog/Binary Inputs.

LED indicators of channel status LED indicators of and failing status. Programming and commissioning by ETS5.

It is possible to program different functions like timing, scenes, logical operations, forced function, etc.

DIN rail installation and 4 modules wide.

IT KNT 016: 16-channel Multifunction Switching Actuator

16-channel Switching Actuator or 8-channel Blind/Shutter Actuator.

Maximum switching capacity per channel up to 16A with 16 free voltage outputs.

Manual operation on device by push buttons for each channel even without bus connection.
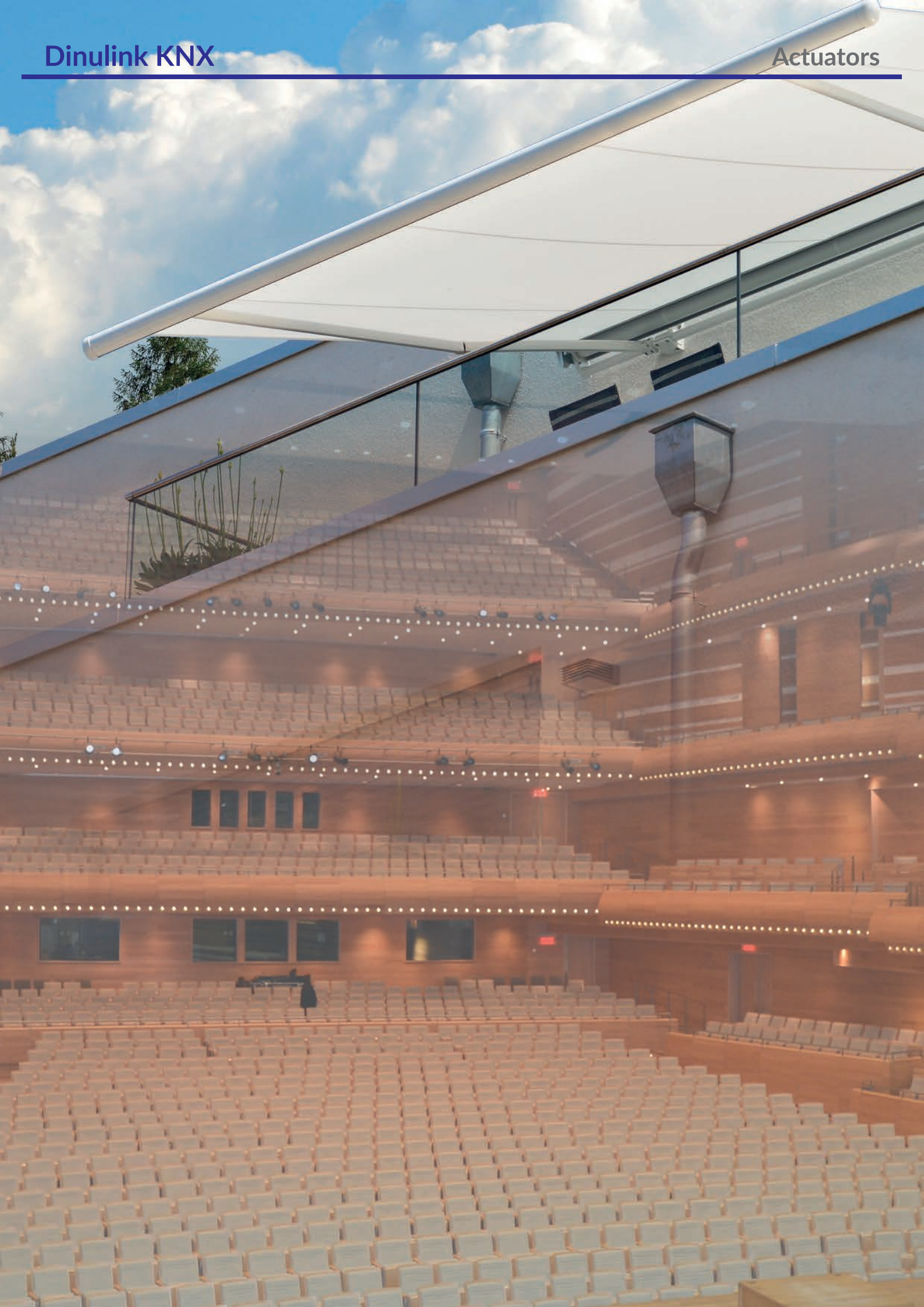
Incorporates 24 Analog/Binary Inputs.

LED indicators of channel status LED indicators of and failing status. Programming and commissioning by ETS5.

It is possible to program different functions like timing, scenes, logical operations, forced function, etc.

DIN rail installation and 8 modules wide.

PE KNT 001 / PE KNT 002: 2-channel Multifunction Actuators with 4 Inputs

Multifunction Actuators with 2 outputs configurable as:
 · 2-channel Switching Actuator.
 · 1-channel Blind/Shutter control.

Up to 16A (PE KNT 001) or 10A (PE KNT 002) switching capacity per channel.

Configured as Blind/Shutter control mode:
 · Switching of electrically operated venecian blinds, roller shutters, awnings and
   venting louvers.
 · Safety functions: wind alarms, rain alarm, frost alarm and sun protection.
 · Scene function: up to 8 scenarios can be predefined.

Configured as Switch mode:
 · Time functions (ON/OFF delay, staircase lighting timer with warning function).
 · Logic operations.
 · Forced-control and Threshold functions.
 · Scene control (up to 5).

Incorporate 4 Analog/Digital Inputs which may be used as inputs for Digital signals,
e.g. for connection of conventional pushbuttons, or for Analog signals, by connecting
temperature probes.

Four room independent Thermostats for Heating/Cooling control systems can be
configured and enabled.

Programming and commissioning by ETS5 or later version.

RE KNT 000 / RE KNT 004: 1/4-channel RLC+LED Dimming Actuators

Modular Dimming Actuator (RLC + LED) for:
 · Dimmable 230V LED lamps.
 · Dimmable 12V~ LED lamps (electronic transformer).
 · Incandescent and 230V Halogen lamps.
 · LV Halogen lamps with electronic transformer.

Leading or Trailing edge dimming technology, parameterisable by ETS.

1-channel (RE KNT 000) for up to 1000W or 4-channel (RE KNT 004) for up to 250W per
channel.

Different functions and parameters can be enabled and parameterised by the ETS:
staircase lighting timer with warning function, dimming speed, scene control (up to 5),
sequential operation, soft turn on/off, etc.

Outputs can be operated manually (even without bus connection).

Integrated overload, short-circuit and over-heating protection.

Modular installation device. DIN-rail mounting. 5-modules wide.

Programming and commissioning by ETS3 (RE KNT 000) or ETS4 (RE KNT 004) or later.

RE KNT 008: 8-channel RLC+LED Dimming Actuator

Dimming Actuator with 8 output channels, designed for the control of RLC+LED loads.

Phase-cut dimming technology, both leading and trailing edge, configurable by ETS:
 · 230V Dimmable LED Lamps.
 · 12V Dimmable LED Lamps with Electronic transformer.
 · Incandescence and 230V Halogen lamps.
 · LV Halogens with Electronic transformer.

The 8 channels can be configured as:
 · Independent channels: It allows to control the different output channels
   independently.
 · Sequencer: The 8 channels are controlled together at the same time with
   predefined sequences.

It incorporates a keyboard on its front that allows manual control of each of the
channels.

Protected against overloads and short circuits. It incorporates heating protection
with resettable operation.

It has an LED indicating error due to over-temperature or overload.

Modular housing (8 modules width), for DIN-rail mounting.

Programming and commissioning via ETS5 or later versions.

Built-in KNX Bus Coupler Unit (BCU).

RE KNT LE3: 1-channel RLC+LED Dimming Actuator

1-channel Universal RLC+LED Dimming Actuator for flush-mounting.
Leading- or Trailing-edge dimming technology:
· Dimmable 230V LED lamps.
· Dimmable 12V LED lamps with electronic transformer.
· Incandescent, 230V Halogen & LV Halogen lamps with electronic transfo.
One channel for up to 250W (trailing-edge).
Different functions and parameters can be enabled and parameterized by the ETS: staircase lighting timer with warning function, dimming speed, scene control (up to 5), sequential operation, soft turn on/off, etc.
Incorporates 4 Analog/Digital inputs that may be configured as binary inputs for sensors, potential free pushbuttons, movement detector (DM KNT 004) or temperature probe inputs.
A conventional pushbutton can be wired for local or remote control.
Four room Thermostats for Heating or Cooling control systems included.
Programming and commissioning by ETS5 or later.

RE KNT DA1: 3-channel DALI Gateway

3-channel modular KNX-DALI Broadcast Gateway.
Up to 64 DALI Ballasts or Drivers per channel.
Unidirectional and Broadcast communication with the lighting fixtures.
Different functions and parameters can be enabled and parameterised by the ETS: staircase lighting timer with warning function, dimming speed, scene control (up to 5), sequential operation, soft turn on/off, etc.
Outputs can be operated manually (even without bus connection).
The device has integrated overload, short-circuit and over-heating protection.
Modular installation device. DIN-rail mounting. 5-modules wide.
Programming and commissioning by ETS4 or later.

RE KNT 110: 3-channel 1/10V$_{DC}$ Dimming Actuator

1/10V$_{DC}$ Dimming Actuator for Drivers or Ballasts, with fluorescent tubes or LED lighting.
3 output channels, with a maximum of 3A per channel.
It has 2 control elements for switching/dimming the load:
· Relay: 3 independent contacts that open or close the phase output to the drivers or ballasts.
· 1-10V$_{DC}$ Analogue Output: dimming signal.
Different functions and parameters can be enabled and parameterised by the ETS: staircase lighting timer with warning function, dimming speed, scene control (up to 5), sequential operation, soft turn on/off, etc.
Outputs can be operated manually (even without bus connection).
The device has integrated overload, short-circuit and over-heating protection.
Modular installation device. DIN-rail mounting. 5-modules wide.
Programming and commissioning by ETS4 or later.

RE KNT RGB: 4-channel RGBW Dimming Actuator

4-channel modular PWM Dimming Actuator.
Can be configured as 4 independent channels, 1 RGBW channel or RGB+W channel.
Up to 10A per channel and 40A in total maximun.
Supplied by 12V or 24V.
Different functions and parameters can be enabled and parameterised by the ETS: staircase lighting timer with warning function, dimming speed, scene control (up to 5), sequential operation, soft turn on/off, etc.
Outputs can be operated manually (even without bus connection).
The device has integrated overload, short-circuit and over-heating protection.
Modular installation device. DIN-rail mounting. 5-modules wide.
Programming and commissioning by ETS4 or later.

CO KNT 002: USB / KNX Interface Stick

KNX-USB Interface Stick for the programmation of the KNX installation.
Establishes a bidirectional connection between a PC and the KNX installation bus.
Galvanic separation from the KNX bus.
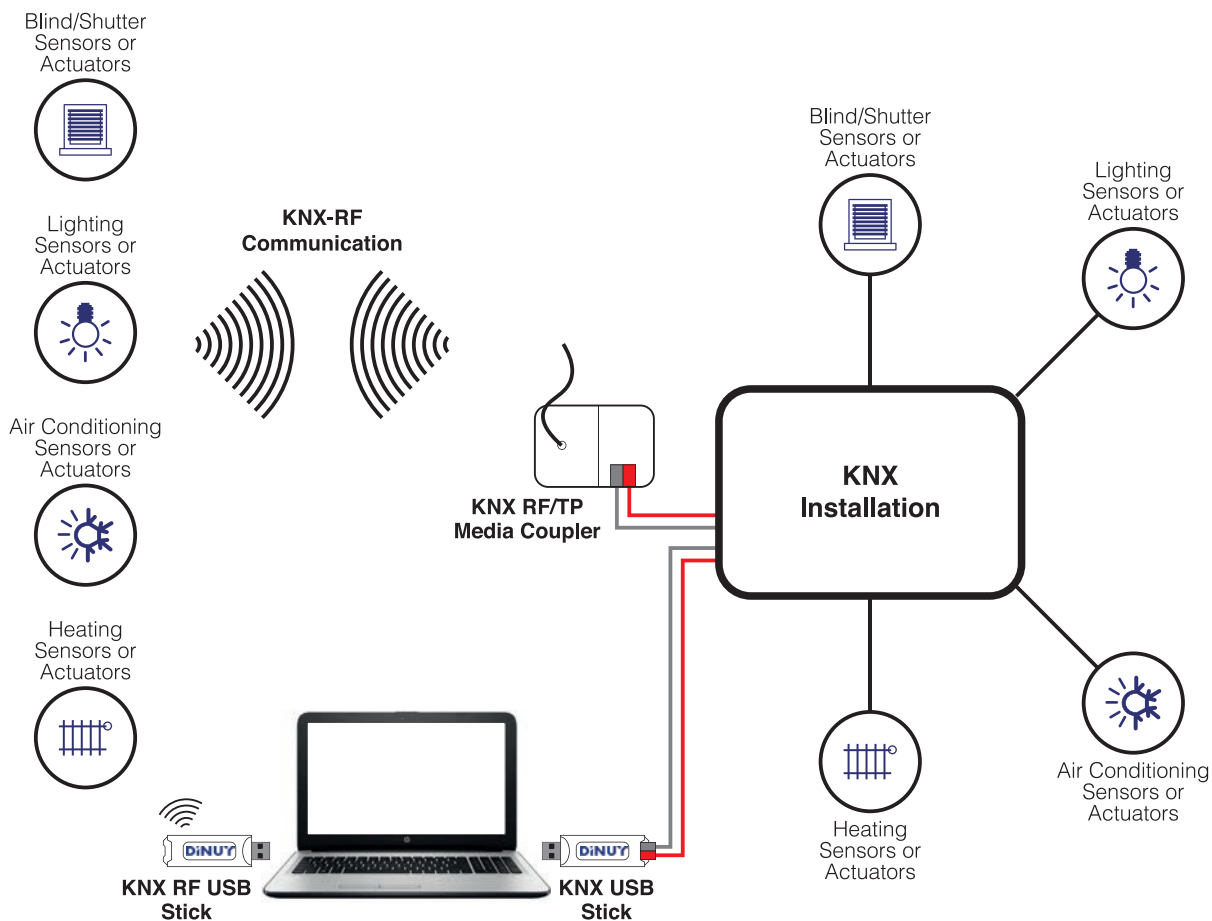Supported by ETS3 or later.
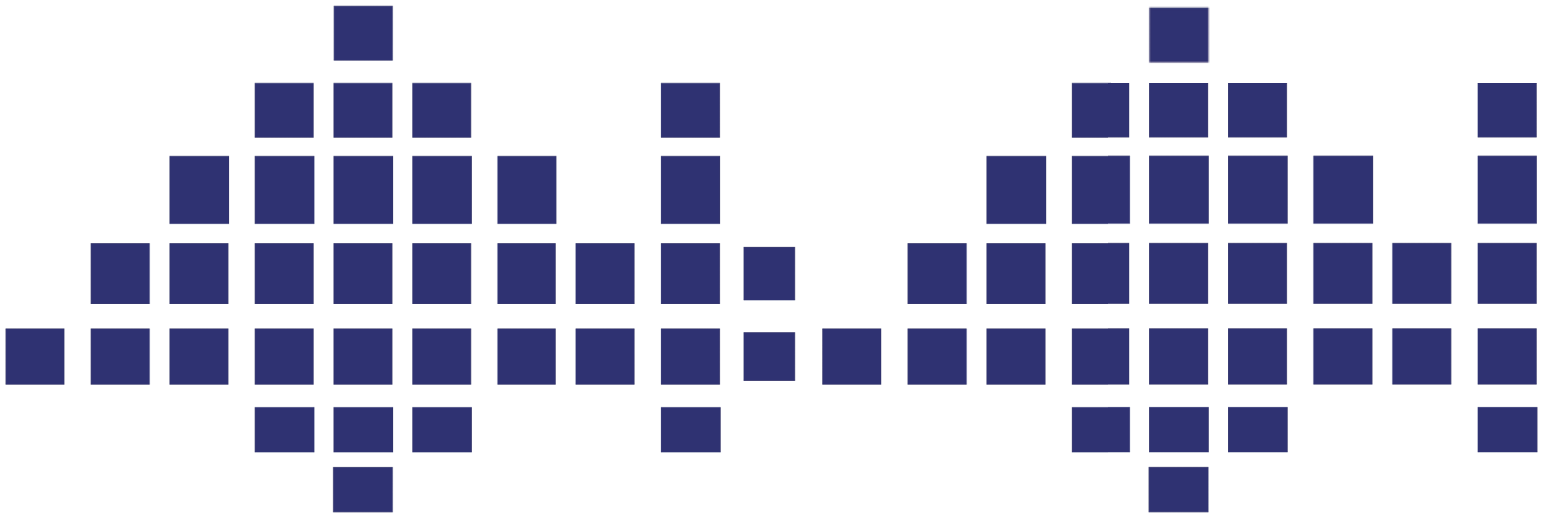
FA KNT 001: 640mA Power Supply

EIB/KNX power supply produces and monitors EIB/KNX system voltage.

The bus line is decoupled from the power supply with the integrated choke.

A 30V$_{DC}$ auxiliary voltage is made available via an additional connection terminal.

This voltage can be used to supply a further bus line (in connection with a separate choke).The power supply is connected to the bus line with a bus connection terminal.

A reset is triggered by pressing the reset push button and lasts 22 seconds (regardless of the duration of the push button action).

The bus line disconnected from the power supply and the devices connected to this bus line are returned to their initial state.

Modular installation device. DIN-rail mounting.

Dinulink KNX-RF (System-Mode)

System components

Blind/Shutter
Sensors or
Actuators

Lighting
Sensors or
Actuators

Air Conditioning
Sensors or
Actuators

Heating
Sensors or
Actuators

**KNX-RF
Communication**

Blind/Shutter
Sensors or
Actuators

Lighting
Sensors or
Actuators

**KNX
Installation**

**KNX RF/TP
Media Coupler**

Heating
Sensors or
Actuators

Air Conditioning
Sensors or
Actuators

DINUY

DINUY

**KNX RF USB
Stick**

**KNX USB
Stick**

FAST AND EASY. Save time and work.

With the new KNX-RF Dinulink Devices, new opportunities of incorporating KNX technology to previous installations are open.

Renovating old buildings where it is not possible to reach different points with wiring, these new RF devices allow us to implement the KNX protocol.

In existing KNX installations where we need to add some other extra sensors or actuators once the works are finished, by using these new RF devices we can increase the control of new options.

We can control blinds/shutters, lighting, heating, scenarios, wirelessly without doing any extra work in the building, avoiding discomfort, dust, noise produced by regular building works.

Many times the structure of the building does not permit to lead wires to different points, we can reach all of them with RF devices both, sensor transmitters and actuators receivers.

These new RF devices transmit commands to the KNX installation by using the KNX RF/TP media coupler.

This KNX RF Dinulink range is produced under the "KNX RF1. R S-Mode" standard which allows working completely in every KNX installation.

As they are produced under that technology all devices can be programmed with the ETS5 in the same way as the wired KNX devices.

Temperature
Sensor

Door / Window
Contact

EM K5X 002: 1-channel Universal Interface

The 1-channel Universal Interface detects status changes at the inputs and sends KNX telegrams depending on its parameterisation in the ETS.

It can be connected conventional pushbuttons or auxiliary contacts to the device.

The inputs are triggered by two independent input commands, for instance, by using 2 pushbuttons (N.O. contacts).

The device provides functions like switching or dimming of lighting, moving of blinds and shutters, managing scenes,...

It is operating in bidirectional KNX RF System-mode and is perfectly suited for using in conventional installations without placing KNX bus cables.

The connection to the KNX bus is realized via the Line Coupler.

It is a flush mounted device to be inserted in an universal box, behind the pushbutton.

Battery-operated, 2 x 3V Lithium batteries CR2025. Useful life higher than 8 years.

Programming and commissioning by ETS5 or later version.

EM K5X 004 – 230V-operated 4-input Universal Interface

Wireless KNX RF S-Mode transmitter with 4 Analog or Binary Inputs.

Incorporates 4 inputs, each of which can be parameterized individually through the ETS: Switch, Dimmer, Multiple Switch, Sequential Switch, Shutter control, Scenes Management, Sending of Fixed/Forced Value, Counter, Temperature Sensor, connecting the DINUY temperature probes ST KNT 001/002, Movement Detector, connecting the DINUY sensor "DM KNT 004".

Up to 4 independent Thermostats for the control of Heating and/or Cooling of 4 different zones.

Flush mounted device to be inserted in a junction box.

Programming and commissioning by ETS5 or later version.

SE K5X 001: Temperature Sensor

Wireless Temperature value transmitter.

Sends the temperature value measured in the place when:

Incorporates several functionalities which must be parameterised via ETS: temperature sending period, over-heating and over-cooling alarms and sensor calibration.

Different communication objects are available: Temperature Value, High Temperature Alarm, Low Temperature Alarm, Move Up/Down Blind, Step/Stop Blind, Low Battery.

Portable or wall fix mounted.

Battery-operated, 2 x 3V Lithium batteries CR2032. Useful life higher than 8 years.

Programming and commissioning by ETS5 or later version.

SE K5X 003: Door/Window Contact

Wireless Door/Window contact transmitter.

Detects the state (closed/open) of a door or window over the reed contact integrated in the device.

Incorporates several functionalities which must be parameterised via ETS: state sending period and contact polarity.

Different communication objects are available: Door/Window State and Low Battery.

Battery-operated: 2 x 3V Lithium batteries CR2032. Useful life higher than 8 years.

Programming and commissioning by ETS5 or later version.

SE K5X 005: Temperature Sensor with Probe

Wireless Temperature value transmitter with external probe for heating floors.

It sends the temperature value in the place where the probe is installed.

Incorporates several functionalities which must be parameterised via ETS: temperature sending period, over-heating and over-cooling alarms and sensor calibration.

Different communication objects are available: Temperature Value, High Temperature Alarm, Low Temperature Alarm and Temperature Probe not connected.

Cooling and Heating control Thermostat function is also included.

Power supply: 230V~ 50Hz.

Programming and commissioning by ETS5 or later version.

SE K5X 010: Temperature, Humidity & Luminosity Multi-Sensor

Wireless Temperature, Humidity & Luminosity sensor all in one.

Perfect solution for conventional KNX installations where it is not possible to reach different points with wiring.

Different functions to be commissioned by ETS5:

· Temperature sensor:
  · Sending value procedure depending on time or temperature change.
  · Over-heating and over-cooling warning alarm.
  · Temperature sensor calibration.
· Humidity sensor:
  · Sending value procedure depending on time or humidity value change.
  · Warning alarms for High and Low humidity value.
  · Humidity sensor calibration.
· Luminosity sensor:
  · Sending value procedure depending on time or luminosity value change.
  · Warning alarms for Solar or General protection.
  · Luminosity sensor calibration.

Battery operated: 2 x 3 Lithium Batteries CR2032. Useful live over 8 years.

Programming and commissioning by ETS5.

DM K5X 001 / DM K5X 002: Battery-operated Motion Detectors

Battery-operated Wireless Infrared PIR motion detectors.

High sensitivity PIR sensor which, together with the design of the lens, allows detecting the smallest movement within its coverage area.

Built-in light sensor, allowing to limit the operation of the detector to daylight.

Include several parameters and functionalities that must be parameterized via ETS:

· Adjustment of the time delay and brightness by potentiometer or ETS.
· Movement monitoring.
· Twilight switch function.
· Temperature sensor.
· Brightness sensor.

Mounting:

· DM K5X 001: flush-ceiling mounting.
· DM K5X 002: surface mounting.

Coverage:

· DM K5X 001: 360° & Ø7m at 2,5m high.
· DM K5X 002: 180° & 10m at 2m high.

Battery-operated sensors. Useful life higher than 4 years.

Programming and commissioning by ETS5 or later version.

DM K5X 230: 230V-operated Motion Detector

230V-operated Wireless Infrared movement detector for flush-ceiling mounting.

It has a PIR sensor of high sensitivity, which, together with the design of the lens, allows detecting the smallest movement within its coverage area.

Incorporates a brightness sensor, which allows limiting its functionality to natural light existing at any time.

Include several parameters and functionalities that must be parameterized via ETS:

· Adjustment of the time delay and brightness by potentiometer or ETS.
· Movement monitoring.
· Twilight switch function.
· Temperature sensor.
· Brightness sensor.
· Constant Light Control function.

Flush-ceiling mounting.

Coverage: 360° & Ø7m at 2,5m high.

Programming and commissioning by ETS5 or later version.

MI K5X 001: 1-channel Switching Actuator

Compact Wireless 1-channel Switching actuator for flush-mounting installation into junction box with integrated timer functions.

1 switching contact (normally open), not potential-free, up to 16A switching capacity.

Configurable as:
· Switching Actuator.
· Timer / Staircase lighting timer with advanced warning function.

Up to 5 Scenes can be stored and called up.

Incorporates RF signal repeater function, which can be enabled or disabled as needed.

A conventional pushbutton can be wired for local or remote control, configurable via ETS.

Dimensions: 46 x 46 x 30mm.

230V-operated.

Programming and commissioning by ETS5 or later version.

SK K5X 001: 1-channel Socket Switching Actuator

Wireless 1-channel Socket Switching actuator for the integration of standard sockets into the KNX Bus.

1 switching contact (normally open), up to 16A switching capacity.

Configurable as:
· Switching Actuator.
· Timer / Staircase lighting timer with advanced warning function.

Up to 5 Scenes can be stored and called up.

Incorporates RF signal repeater function, which can be enabled or disabled as needed.

Dimensions: 112 x 59 x 36mm.

230V-operated.

Programming and commissioning by ETS5 or later version.

PE K5X 001: 2-channel Switching or 1-channel Blind/Shutter Actuator

Wireless 2-channel Switching Actuator or 1-channel Blind/Shutter control Actuator:
· Switching Actuator with 2 independent output channels: control of 2 different loads.
· 1-channel Blinds / Awnings Actuator: control of a Roller Shutter/Awning, Venetian Blind or Venting Louver.

Incorporates two contacts, with a maximum capacity of 16A per channel.

4 Analog / Digital Inputs, which can be configured via ETS:
· Binary Inputs: allows the connection of a conventional, potential-free, binary push-button, switch or sensor.
· Analog Inputs: allows the connection of temperature probes (ST KNT 001 or ST KNT 002).

In addition, it allows to enable and configure up to 4 Thermostats for Cooling or/and Heating control.

Programming and commissioning by ETS5 or later version.

Supplied by 230V 50Hz.

Dimensions: 120 x 53 x 35mm.

PE K5X 002: 2-channel Switching or 1-channel Blind/Shutter Actuator

Wireless 2-channel Switching Actuator or 1-channel Blind/Shutter control Actuator:
· Switching Actuator with 2 independent output channels: control of 2 different loads.
· 1-channel Blinds / Awnings Actuator: control of a Roller Shutter/Awning, Venetian Blind or Venting Louver.

Incorporates two contacts, with a maximum capacity of 16A per channel.

2 inputs for conventional pushbutton, which can be configured independently via ETS: Switching, Dimming, Blind Control, Scene Management or Value Sending Securities.

In addition, it allows to enable and configure up to 4 Thermostats for Cooling or/and Heating control.

Programming and commissioning by ETS5 or later version.

"Pill" format, small size. Dimensions: 46 x 46 x 30mm.

Supplied by 230V 50Hz.

RE K5X LE1: 1-channel RLC+LED Dimming Actuator

Compact Wireless 1-channel Dimming Actuator for flush-mounting into junction box.
Leading or Trailing edge dimming technology:
· Dimmable 230V LED lamps.
· Dimmable 12V LED lamps with electronic transformer.
· Incandescent and 230V Halogen lamps or LV Halogens with electronic transformer.
Power capacity of up to 250W, depending on the type of lamp.
Up to 5 Scenes can be stored and called up.
Incorporates RF signal repeater function, which can be enabled or disabled as needed.
A conventional pushbutton can be wired for local or remote control configurable via ETS.
Junction box mounting. Dimensions: 46 x 46 x 30mm.
Programming and commissioning by ETS5 or later version.

SK K5X LE1: 1-channel Socket RLC+LED Dimming Actuator

Wireless 1-channel Socket Dimming actuator for the integration of standard sockets into the KNX Bus.
Leading or Trailing edge dimming technology:
· Dimmable 230V LED lamps.
· Dimmable 12V LED lamps with electronic transformer.
· Incandescent and 230V Halogen lamps or LV Halogens with electronic transformer.
Power capacity of up to 250W, depending on the type of lamp.
Up to 5 Scenes can be stored and called up.
Incorporates RF signal repeater function, which can be enabled or disabled as needed.
Junction box mounting. Dimensions: 112 x 59 x 36mm.
Programming and commissioning by ETS5 or later version.

RE K5X LE2: 1-channel LED Strips Dimming Actuator

Wireless 1-channel Dimming Actuator for 12V-48V single-color LED Strips.
Pulse Width Modulation (PWM) dimming technology.
Up to 8A dimming capacity (12V: 96W // 24V: 192W).
Incorporates RF signal repeater function, which can be enabled or disabled as needed.
A conventional pushbutton can be wired for local or remote control configurable via ETS.
Junction box mounting. Dimensions: 46 x 46 x 30mm.
12V-48VDC-operated.
Programming and commissioning by ETS5 or later version.

RE K5X RGB: 3-channel RGB LED Strips Dimming Actuator

Wireless 3-channel Dimmer for 12V-48V RGB LED Strips.
Pulse Width Modulation (PWM) dimming technology.
Up to 5A dimming capacity per channel.
Allows control of an RGB strip or 3 single-color LED strips.
Creation and control of up to 5 different Scenes and Sequences.
4 Analog / Digital Inputs, which can be configured via ETS:
· Binary Inputs: allows the connection of a conventional, potential-free, binary push-button, switch or sensor.
· Analog Inputs: allows the connection of temperature probes (ST KNT 001 or ST KNT 002).
Allows enabling and configuring up to 4 Thermostats for Cooling or/and Heating control.
Programming and commissioning by ETS5 or later version.

RE K5X 010: 1-channel 1/10V_{DC} Dimming Actuator

Wireless 1-channel Dimmer for 1/10V$_{DC}$ Ballasts or Drivers, with Fluorescence or LED lighting.
It has 2 control elements for switching/dimming the load:
· Relay: one independent contact that opens or closes the phase output to the drivers or ballasts. Therefore, with this relay, we will control the power supply of the luminaires.
· 1-10V$_{DC}$ Analogue Output: dimming signal.
Incorporates RF signal repeater function, which can be enabled or disabled as needed.
A conventional pushbutton can be wired for local or remote control configurable via ETS.
Junction box mounting. Dimensions: 46 x 46 x 30mm.
Programming and commissioning by ETS5 or later version.

RE K5X DA1: 1-channel DALI Gateway

Wireless 1-channel DALI Gateway for Ballasts or Drivers, with Fluorescence or LED lighting.
Up to 64 ballasts can be controlled by only one device.
Unidirectional and Broadcast communication with the lighting fixtures.
Incorporates RF signal repeater function, which can be enabled or disabled as needed.
A conventional pushbutton can be wired for local or remote control configurable via ETS.
Junction box mounting. Dimensions: 46 x 46 x 30mm.
230V-operated.
Programming and commissioning by ETS5 or later version.

KNX-RF (System-Mode)   Communication

CO K5X 001: KNX-RF USB Interface

The KNX-RF USB Stick is a PC interface with access to KNX via KNX-RF.

For convenient, wireless access to a KNX installation from your PC or laptop – for example, for addressing, programming or diagnostics via ETS5 – the USB KNX-RF data interface in the form of a USB stick is a useful add-on.
Communication between the PC and KNX system is established via wireless signals.
In the case of KNX-RF products, this link is established wirelessly.
No additional software apart from the ETS5 is needed on the PC.

CO K5X 002: KNX-RF / KNX Media Coupler

The KNX-RF/TP Media Coupler links the KNX-RF devices with the KNX-TP installation.

Therefore wired actuators can be controlled by wireless sensors as well as wireless actuators can be controlled by wired transmitters (bidirectional communication).

Can be used together with devices to control lighting, HVAC, blinds/shutters and main purpose devices.

In addition to its function as media coupler, the device can also be used as a KNX-RF repeater to increase the wireless range within a KNX-RF wireless system.

Installed in a flush-mounted device box and obtains its power supply via the KNX bus.

AM K5X 001: RF-signals Repeater

KNX-RF-signals Repeater.
Extension of the radio range in KNX radio networks (repeater operation).
Up to 3 consecutive units can be used in the same installation.
Dimensions: 45 x 42 x 12mm.
Power supply: 230V~ 50Hz.
Programming and commissioning by ETS5 or later version.

Experience &
Energy Awareness

In our commitment to new technologies we have developed, over the last years,
a large range of KNX products, the worldwide open STANDARD for home and building control.

Our commitment with the environment has moved us to develop a large variety of intelligent installation products focussed on energy saving, to obtain maximum advantage from the natural conditions
in all types of installation and reduce electricity energy consumption.

ISO 9001
ISO 14001
BUREAU VERITAS
Certification

BUREAU VERITAS
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