



# Industrial & Commercial Building Solutions







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EAE KNX Commercial and Industrial Building Solutions is flexible and expandable to meet all the requirements and expectations of users.

EAE's Smart Solutions are developed for energy savings with a strong focus on innovation, functionality and design.

Products are based on the worldwide KNX standard and enable the system to be expanded with other KNX manufactured products.



EAE group of companies have over 2,500 employees worldwide and EAE products are used in more than 100 countries. EAE Group has over 30 patents, 300 brands and 100 industrial designs.





As EAE Technology, we provide innovative and value-added solutions for KNX applications. All our products are designed, developed, manufactured and tested in our headquarters in Istanbul, Turkey. EAE Technology products are in compliance with international open standards such as KNX, DALI, TCP/IP and WiFi.

EAE Technology is a member of KNX Association and an authorized KNX training center since 2012.

### **Movement and Daylight Sensor Control**

The lighting and air conditioning devices are controlled by means of sensors sensitive to movement.

### **Timing, Schedule Management**

Automatic control of devices is ensured by means of daily, weekly monthly or custom developed schedules.

### **Daylight Harvesting**

Both indoor and outdoor lighting requirements can be managed by means of daylight related controls.

### **Zone Control On/Off & Dim**

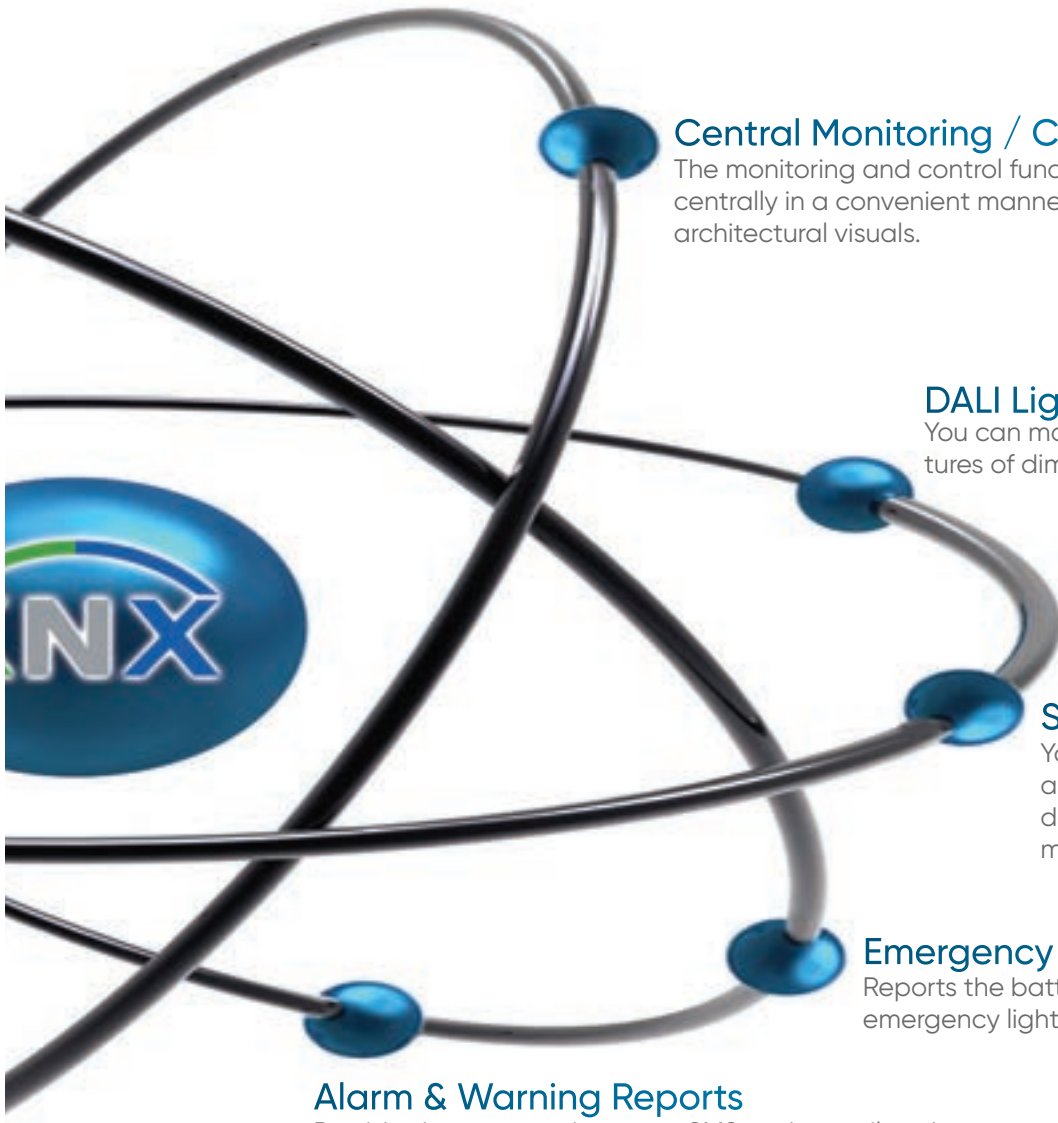
Standard lighting fixtures can now be managed in line/group basis by means of switching modules.

### **HVAC Control: VRF, VRV, Fancoil, Air Conditioning etc...**

Heating/cooling monitoring and management is in your hands thanks to the fancoil control units.







### Central Monitoring / Control

The monitoring and control functions are managed centrally in a convenient manner and with speed over architectural visuals.

### DALI Lighting Control

You can monitor and manage your lighting fixtures of dimmable and addressable nature.

### Shutter-Blind Control

You can control your curtains/blinds and/or sunshades according to the daylight, time of the day over a central monitoring system.

### Emergency Lighting Reporting

Reports the battery testing and error status of the emergency lighting fixtures available in the facility.

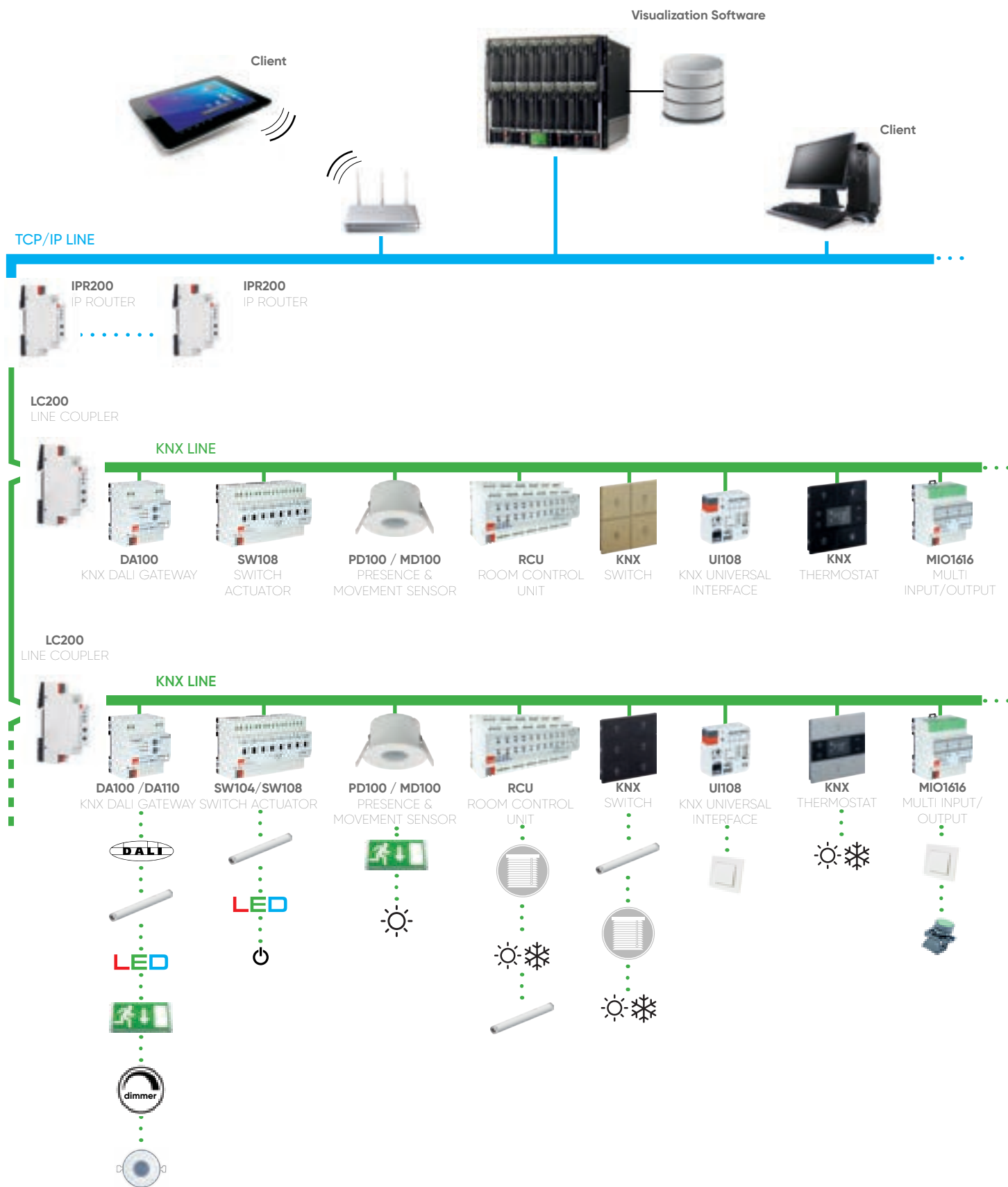
### Alarm & Warning Reports

Provides instant warnings over SMS and e-mail and saves time in special situations where the establishment is required to respond promptly.



Ref. ISTANBUL AIRPORT THY BUILDINGS

# TOPOLOGY





► Miola Touch Panel 7.0"



► Miola Touch Panel 10.1"



► Thermostat & Switches

mona



rosa metal



rosa crystal



oria



► Panel Devices



## PRODUCTS

- **MIOLA** TOUCH PANEL
- **PD100 / MD100** PRESENCE AND MOVEMENT SENSOR
- **CD100** CORRIDOR DETECTOR
- **HD100** HIGHBAY MOTION DETECTOR
- **RCU2018 / RCU2000 / RCU1616 / RCU1600 / RCU1212 / RCU1200 / RCU0808 / RCU0800** ROOM CONTROL UNIT
- **SW104 / SW108** SWITCH ACTUATOR
- **DA100 / DA110** KNX DALI GATEWAY
- **UD104 / UD106** UNIVERSAL DIMMER
- **SD110** 0-10V / 1-10V DIM ACTUATOR
- **FCA100** FANCOIL ACTUATOR
- **PSU320/640** POWER SUPPLY
- **KMG103** KNX MODBUS GATEWAY
- **UI108** KNX UNIVERSAL INTERFACE MODULE
- **MIO1616** MULTI INPUT/OUTPUT
- **IPR200/IPI200** KNX IP ROUTER
- **LC200** LINE COUPLER
- **KNX** SWITCHES, THERMOSTATS and FRAMES





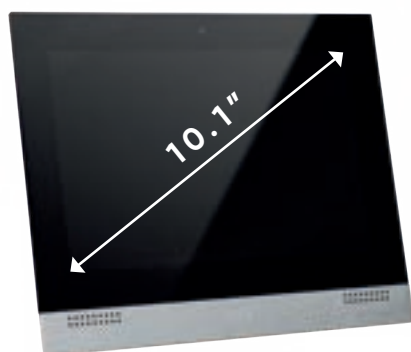
## With Miola Panel, you can easily control your home!

You will be able to receive all the notifications you specify and want to receive from the mobile application, and you will be able to easily learn all the details you follow with the push-notification feature.

Thanks to the Cloud server, you will not need an extra server!







10.1" MIOLA



7" MIOLA

### Color Options



Natural



Anthracite

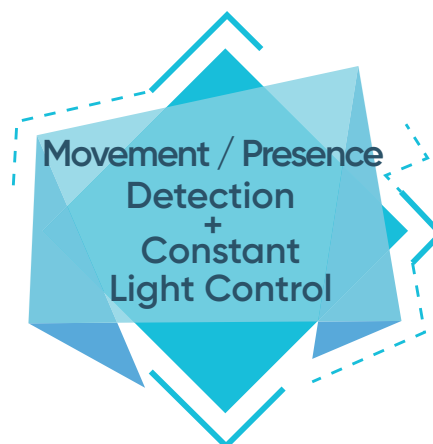
### Miola Technical Data

SCREEN SIZE	7" MIOLA KNX-TP	10.1" MIOLA KNX-TP
CPU	PX30 Chipset	PX30 Chipset
Memory	1GB	1GB
Hard Disk	8GB EMMC	8GB EMMC
Operating System	Android 8.0	Android 8.0
Power	12-30 VDC	12-30 VDC
Resolution	600x1024px	1280x800px
Touch Panel	Project Capacitive Touch	Project Capacitive Touch
Microphone	1 with Echo Cancellation	1 with Echo Cancellation
Speaker	1x8 Ohm - 2 Watts	1x8 Ohm - 2 Watts
Input	5 Digital Inputs	5 Digital Inputs
KNX Bus Connection	KNX - TP	KNX - TP
LAN	2	2
Dual Network Connectivity	Yes	Yes
Drivers	EAEOS Operating System Drivers	EAEOS Operating System Drivers
Max Accessory Limit	254	254
Max Room Limit	254	254
Intercom Standart	SIP 2.0	SIP 2.0
Onwall Dimensions	140 x 235 x 4 mm	264 x 208 x 4 mm

\* High voltage and overcurrent protection, insulated

# PD100 / MD100

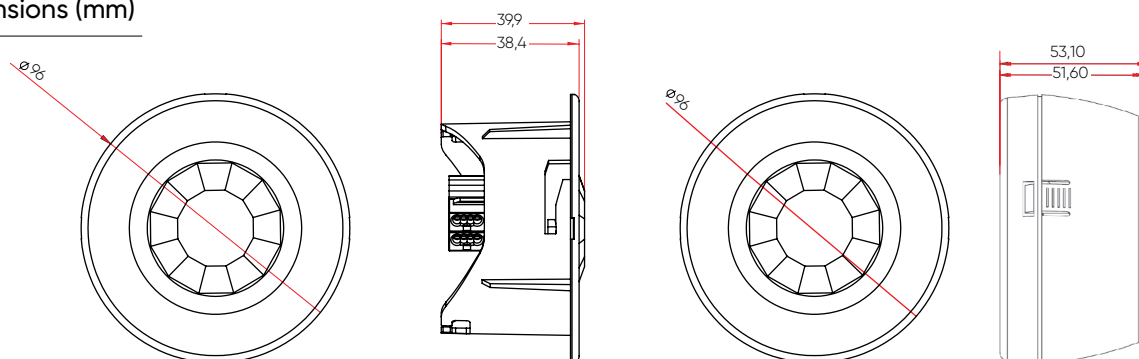
## EAE KNX SENSOR



### General Specifications

- PD100 movement sensor is ideal for indoor use such as in medium and large scale office spaces, conference halls, corridors, classrooms, parking garages. It comes in two models; flush-mounted and surface-mounted.
- Thanks to the integrated light level sensor and movement sensor it can implement fixed light function depending on the presence of a movement. The current level of ambient light is compared to the lux level desired to ensure the appropriate level of illumination in the area concerned.
- By means of the corridor function, different levels of brightness can be arranged for the states of; "Movement", "After Movement", and "No Movement". The duration of light projection after the movement can be adjusted by the user.
- Other than the control of the lighting level, it would also be possible to control the air conditioning and ventilation through HVAC.
- It is possible to send periodic information of different communication object by means of the independent movement monitoring channel. This could be used in movement monitoring applications.
- It can operate in parallel connection with other sensors either on standalone or master-slave basis depending on application requirements.
- Based on the state of use of the external controls (button, switch, other sensors, etc.) full or semi automatic operating modes could be set-up.
- Test and calibration modes are convenient during installation.
- Does not need external feed as it receives its feed over KNX line

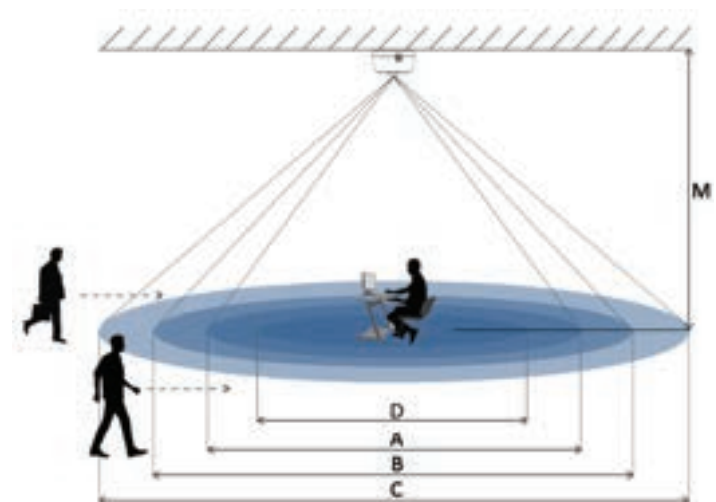
### Dimensions (mm)





### Technical Information

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Feed	Voltage range Current consumption	21 – 30V DC, KNX Line < 10mA
Application areas	Indoors	
Sensor Type	Passive infrared	
Installation	Location Recommended height	Ceiling 2.5 m – 5.5m
Detection	PD100 Diameter (at 2.5 m height) MD100 Diameter (at 2.5 m height) Angle Light Level	6 m diameter (tangent walk) 9 m diameter (tangent walk) 360 100 – 1000 lux
Additional Channels	Illumination level, movement channel, HVAC ch.	
Parallel Operation	Master/Master, Slave/Master	
Operating Elements	LED (Red) and button	Used to program the device
Operating Temperature	Operation Storage Transportation	- 5°C +45°C -25°C +55°C -25°C +70°C
Dimensions	42.5 x 42,5 x 12 mm	
Weight	0.06 kg	
Ceiling section dimension	75 mm diameter	



A: Area of detection according to a seated person  
 B: Area of detection upon direct approach on feet  
 C: Area of detection upon tangent approach on feet  
 D: Area of the brightness measuring in working desk height

#### PD100 Presence Sensor

PD100	A	B	C	D
4,0 m	7,8 m	7 m	12 m	Ø2.3
3,5 m	7,3 m	6,5 m	10 m	Ø2.0
3,0 m	6 m	6 m	8 m	Ø1.6
2,5 m	5 m	5 m	6 m	Ø1.2

#### MD100 Movement Sensor

MD100	A	B	C	D
5,5 m	7,8 m	12 m	18 m	Ø3.3
5,0 m	7,3 m	9 m	15 m	Ø3.0
4,0 m	6 m	8 m	13 m	Ø2.3
3,5 m	5 m	7,5 m	12 m	Ø2.0
3,0 m	4,5 m	7 m	10,5 m	Ø1.6
2,5 m	4 m	6,5 m	9 m	Ø1.2
5,5 m	9 m	12 m	18 m	Ø3.3

### Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE KNX Presence Sensor (Flush mounted)	SMP PD100 EAE F-KNX	48083	1 pcs.
EAE KNX Movement Sensor (Flush mounted)	SMP MD100 EAE F-KNX	48084	1 pcs.

# CD100

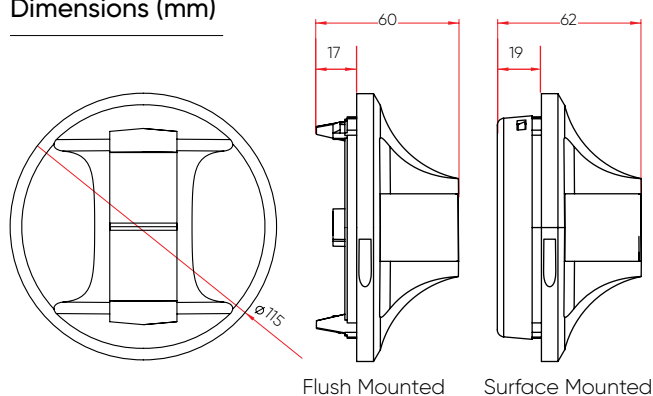
## EAE KNX CORRIDOR SENSOR



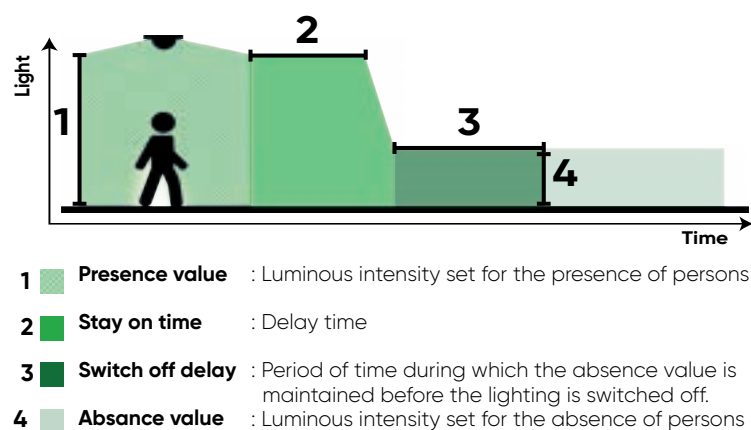
### General Specifications

- The CD100 KNX Corridor Sensor is developed for corridors, warehouses and car parking spaces. It has two mounting options which are flush mounted and surface mounted (recommended max. height 4.5m).
- Depending on the entity, a constant light function can be applied with the integrated brightness and motion sensor. The existing light may be compared with the desired level of light and an adequate level will be provided.
- The sensor has corridor function feature. Through to this feature presence, absence, stay on time and switch off delay values can be adjustable via KNX (Corridor function graph).
- It can operate in parallel connection with other sensors either on standalone or master-slave basis depending on application requirements.
- Based on the state of use of the external controls (button, switch, other sensors, etc.) full or semi automatic operating modes could be set-up.
- Test and calibration modes are convenient during installation.
- Does not need for external supply. It receives its power over KNX line.

### Dimensions (mm)



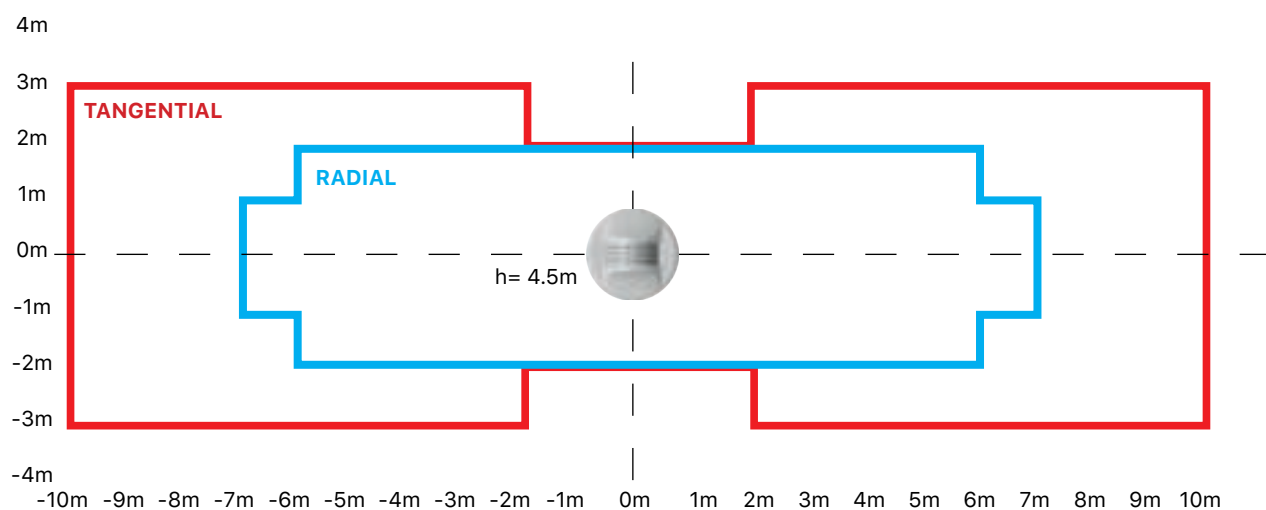
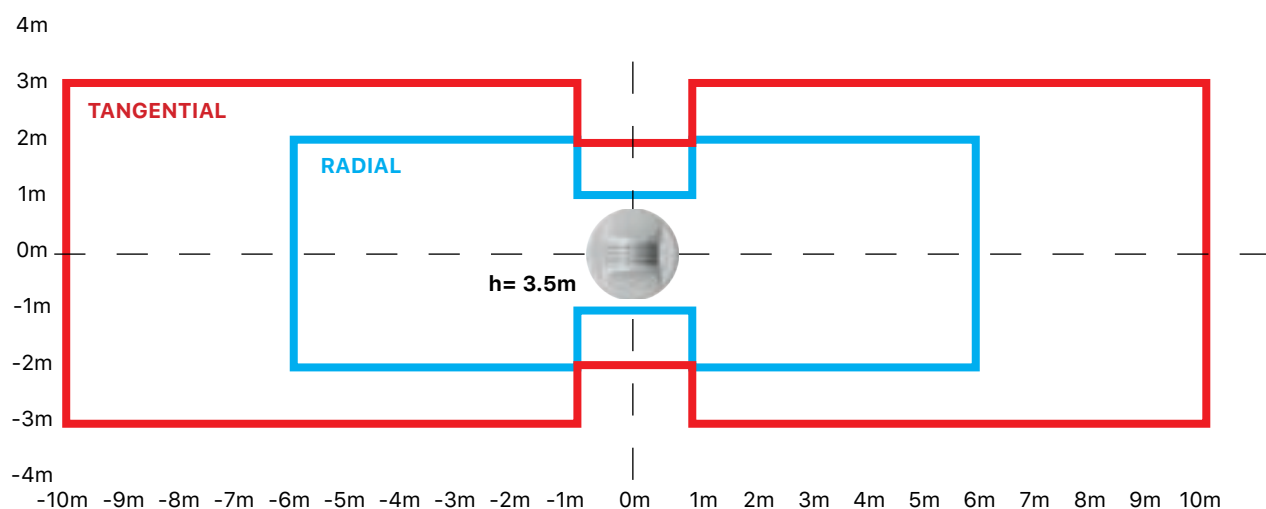
### Corridor function graph





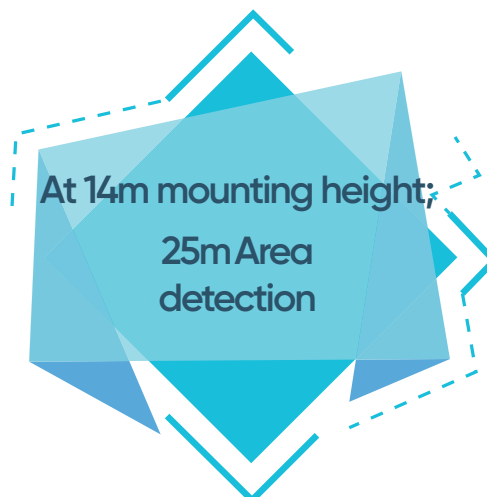
## Technical Information

Protection Type	IP 20 / IP 44 (Surface Mounted) IP 20 (Recessed)	EN 60529
Safety Class	II	EN 61140
Supply	Voltage range Current consumption	21 – 30V DC, KNX line < 10mA
Application areas	Indoors, Corridors, Car parks, Warehouses	
Sensor Type	Passive infrared	
Installation	Location Recommended height	Flush / Surface Mounted 2.5 m – 4.5 m
Detection	CD100 Coverage (at 3 m height) Angle Light Level	12x4 m coverage (radial walk) 20x6 m coverage (tangent walk) 180° aisle 100 – 1000 lux
Additional Channels	Illumination level, movement channel, HVAC	
Parallel Operation	ch. Master/Master, Master/Slave	
Operating Elements	LED (Red) and button	Used to program the device
Operating Temperature	Operation Storage Transportation	- 5°C +45°C -25°C +55°C -25°C +70°C
Dimensions	Flush Mounted; (H) = 60 mm x (Ø) = 115 mm Surface Mounted; (H) = 62 mm x (Ø) = 115 mm	
Weight	Flush Mounted; 83g Surface Mounted; 97 gr	
Ceiling section dimension	Ø 102 mm (4inch)	



# HD100

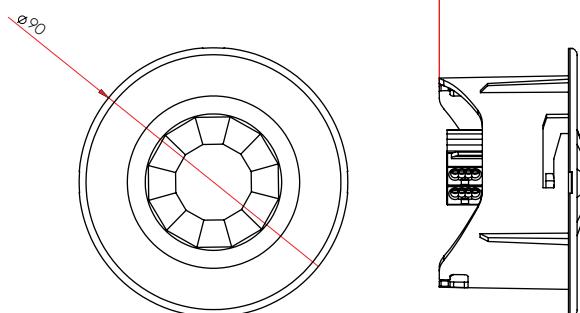
## EAE KNX Highbay Motion Sensor



### General Specifications

- HD100 KNX Highbay Motion Detector is ideal for warehouses, industrial areas, conference rooms and sport halls.
- Constant light function can be applied in dependence of presence information thanks to integrated brightness sensor and movement sensor. HD100 regulates the ambient brightness to a defined brightness value.
- Lighting can be set to different brightness levels with corridor function based on occasions such as "movement, after movement, no movement". Stay-on time can be changed the by end user...
- Air-conditioning and ventilation systems can be controlled by independent HVAC channel.
- Presence information can be sent to presence monitoring applications by independent presence channel.
- The EAE KNX HD100 can be used as a standalone device or master-slave device (parallel operation with other sensors) according to necessity of project.
- HD100 enables fully-automatic and semi-automatic lighting control.
- Test and calibration mode allow for easy installation.
- The device does not require an additional power supply.

### Dimensions (mm)





### Technical Information

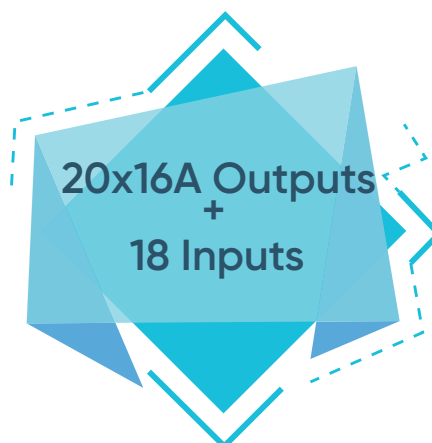
Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Power Supply	Voltage	21 - 30V DC, KNX Line
	Current consumption	< 10mA
Application areas		Warehouses, Car Parks etc.
Sensor Type		Passive infrared
Installation	Location	Ceiling
Detection	Diameter (at height of 12m)	14m movement detection
	Area	25m
	Angle	360°
	Light Level	10-1000 lux
Additional Channels		Brightness, presence channel, HVAC channel
Parallel Operation		Master/Master, Slave/Master
Operating Elements	LED (red) and button	For physical address
Temperature Range	Ambient	- 5°C +45°C
	Storage	-25°C +55°C
	Transport	-25°C +70°C
Dimensions		See Scale Drawings
Weight	0.065 kg	
Box	Plastic, Polycarbonate, Colour White	
CE	In accordance with the EMC guideline and low voltage	
Application Program	Communications objects	Number of addresses (max)
	44	254

### Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE KNX Highbay Motion Detector (Surface mounted)	SMP HD100 EAE F-KNX	48108	1 pcs.

# RCU2018 / RCU2000 / RCU1616 / RCU1600 / RCU1200 / RCU0808 / RCU0800

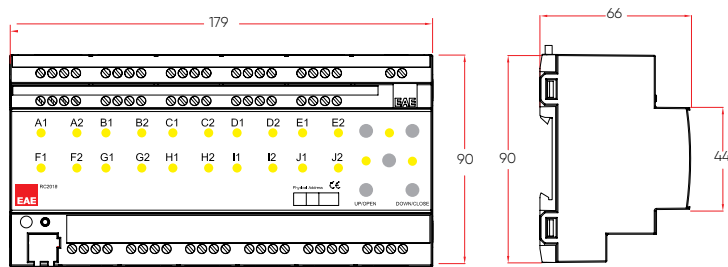
## EAE KNX-ROOM CONTROL UNIT



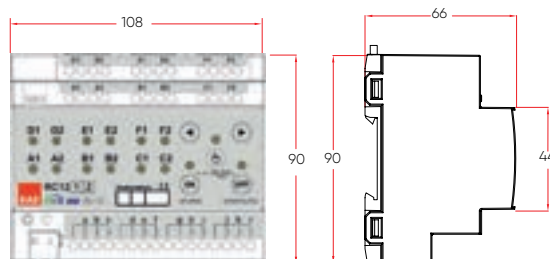
### General Specifications

- Room Control Unit RCU2018 is designed as an all in one product for different room layouts such as apartments, hotel rooms, hospitals and residences.
- Room Control Unit covers all requirements of the electrical installation of room applications and offers following functions in a one product.
  - Switching lighting
  - Switching loads
  - Controlling fan coils (2 & 3 point valve)
  - Controlling AC/DC blinds
  - Dry contact inputs
- RCU2018 has 20x16A relay outputs. These outputs are grouped as 5 independent output channels. Each channel can be configured to have different modes of operation as follows,
  - Switching output x4
  - AC Blind x2
  - DC Blind x1
  - 2 Point valve x2
  - 3 point valve x2
- Suitable for switching resistive, capacitive and inductive loads as well as fluorescent lamp loads according to EN 60 669. As a switch output device provides following function list,
  - Staircase
  - External logic
  - Internal logic
  - Priority
  - Threshold
  - Operating hour
  - Sweep
- Device has 18 independent input channels. Input channel operates as universal interface with following functions,
  - Switch / push button input
  - Dimmer control
  - Control of shutter/blinds
  - Value sending
  - Scene control
  - Counter for count pulse
- Manual control is possible for each channel through the built-in button panel.
- 220V auxiliary power is not required.

Dimensions (mm) RCU2018 RCU1616 RCU1600 RCU2000



Dimensions (mm) RCU1212 RCU1200 RCU0808 RCU0800





**Technical Information**

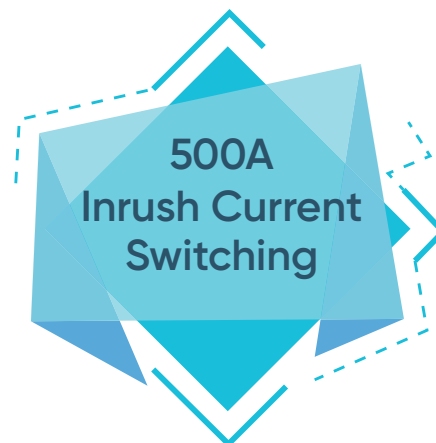
Protection Type	IP 20	EN 60529	
Safety Class	II	EN 61140	
Power supply	Voltage	21V... 30V DC, SELV	
	Current consumption	< 10 mA	
External supply	-	-	
Connections	Screw terminals	0,05...4 mm solid and stranded wire	
	Max tightening torque	0,05...2,5 mm stranded wire with ferrule	
	KNX	0.8 Nm	
		Bus connect terminal	
Output	Number	20 output (RCU2012, RCU2000)	
	Switching voltage	250V AC; 50/60 Hz	
	Switching capacity 250V AC	16A / AC 1	
	Maximum switching power	4000 VA	
	Mechanical life	> 1 x 10 <sup>6</sup>	
Type of contact	potential-free, bistable		
Input	Number	18 binary inputs	
	Scanning voltage	32V pulsed	
	Current	0.1 mA	
	Cable length	<300 m	
Installation	35mm mounting rail	EN 60 715	
Operating elements	LED (red) and button	For physical address	
Temperature range	Ambient	-5° C + 45° C	
	Storage	-25° C + 55° C	
Humidity	max. air humidity	85 % no moisture condensation	
Dimensions		66 x W x 90mm	
	Width W in mm	180 mm	
	Width W in units (18 mm modules)	10 modules	
Weight	0.65 kg		
Box	Plastic, polycarbonate, colour grey		
CE	In accordance with the EMC guideline and low voltage		
Application program	Communication objects	Number of addresses(max)	Number of assign-ments(max)
	254	255	255

**Ordering Information**

Product Name	Product Code	Ordering Code	Package Information
EAE-KNX Room Control Unit 20ch, 18Input, Fancoil, Switch, Blind actuator	SMP RCU2018 EAE S-KNX	48024	1 unit
EAE-KNX Room Control Unit 20ch, Fancoil, Switch, Blind actuator	SMP RCU2000 EAE S-KNX	48027	1 unit
EAE-KNX Room Control Unit 16ch, 16 Input Fancoil, Switch, Blind actuator	SMP RCU1616 EAE S-KNX	48029	1 unit
EAE-KNX Room Control Unit 16ch, Fancoil, Switch, Blind actuator	SMP RCU1600 EAE S-KNX	48028	1 unit
EAE-KNX Room Control Unit 12ch, 12 Input, Fancoil, Switch, Blind actuator	SMP RCU1212 EAE S-KNX	48130	1 unit
EAE-KNX Room Control Unit 12ch, Fancoil, Switch, Blind actuator	SMP RCU1200 EAE S-KNX	48129	1 unit
EAE-KNX Room Control Unit 8ch,8 Input Fancoil, Switch, Blind actuator	SMP RCU0808 EAE S-KNX	48128	1 unit
EAE-KNX Room Control Unit 8ch, Fancoil, Switch, Blind actuator	SMP RCU0800 EAE S-KNX	48127	1 unit

# SW104/SW108

## EAE KNX SWITCH ACTUATOR

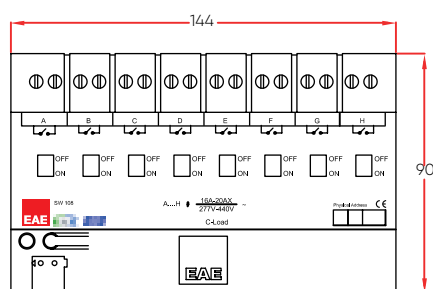


### General Specifications

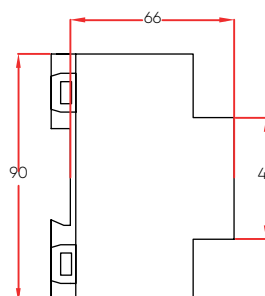
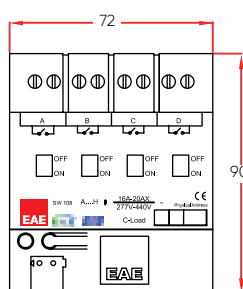
- Possesses 4 and 8 independent channels that could be configured by means of ETS3/ETS4/ETS5.
- In addition to switching fluorescent lamps according to EN 60 669 standard it can also perform the switching of resistive and inductive loads. (16A-20AX/C-Load).
- Each channel can be controlled manually on the device.
- The following functions can be defined separately for each channel:
  - Stair function
  - External logic
  - Internal logic
  - Priority function
  - Threshold function
  - Transaction time
  - Sweeping function.
- Does not need an external power supply
- The current on/off situations can be arranged by means of ETS parameters.

### Dimensions (mm):

SW108 Dimensios



SW104 Dimensios





**Technical Information**

<b>Protection Type</b>	IP 20	EN 60529	
<b>Safety Class</b>	II	EN 61140	
<b>Feed</b>	Voltage range	21 - 30V DC, SELV	
	Current consumption	< 10mA	
<b>Connections</b>	Screw	0,05 - 2,5 mm <sup>2</sup> 0,03 - 1,5 mm <sup>2</sup> high	
	Maximum Torque	0.8 Nm	
	KNX	Bus connect terminal	
<b>Output</b>	Number of output units	8 units	
	Switching current	277/440 AC; 50/60 Hz	
	Switching capacity 277 V AC	16A / AC 1	
	Fluorescent Lighting EN 60 699-1	16AX/250 VAC (200°F)	
<b>Relay</b>	Mechanic Life	> 3 x 10 <sup>6</sup>	
<b>Contact type</b>	Bistable, dry contact		
<b>Configuration</b>	35 mm mounting rail	EN 60 715	
<b>Operating Elements</b>	LED (Red) and button	Used for physical address	
<b>Operating Temperature</b>	Operation	- 5°C +45°C	
	Storage	-25°C +55°C	
	Transportation	-25°C +70°C	
<b>Humidity</b>	Maximum humidity	95% no condensation	
<b>Dimensions</b>	SW108 - 60 x 144 x 89 mm	SW104 - 60 x 72 x 89 mm	
<b>Weight</b>	0,45 kg		
<b>Box</b>	Plastic, poly-carbon, gray		
<b>CE</b>	Pursuant to EMC Guide and Low Current Regulation		
<b>Application Program</b>	Communication objects	Max. Group Addresses	Max. no. of
	122	253	253

**Ordering Information**

Product Name	Product Code	Ordering Code	Package Information
EAE Switch Actuator 4x16A	SMP SW104 EAE S-KNX	48037	1 unit
EAE Switch Actuator 8x16A	SMP SW108 EAE S-KNX	48002	1 unit

# DA100

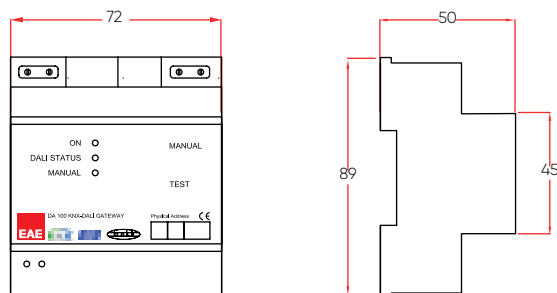
## EAE KNX-DALI GATEWAY (16 Group Control)



### General Specifications

- Device parameters can be configured via ETS3/ETS4/ETS5.
- DA100 KNX-DALI interface operates as a DALI-IEC 62386 standard compliant gateway between KNX line and DALI. DALI line power supply is available as integrated to the device.
- Maximum of 64 DALI devices can be connected to DALI outlet(electronic ballast, LED drive, ECK, sensor).
- The operations such as addressing, grouping, etc. of DALI devices are performed by means of Windows based DALI commissioning software (EAE DALI Commissioning Tool).
- DA100 provides the means for the recording of 16 DALI Group controls and 64 different lighting scenes.
- Each DALI group could be operated with fixed light, corridor and sequence functions.
- The functional and battery testing calendars are loaded on to DALI compliant emergency lighting fixtures to ensure that periodic tests are conducted. The results of the tests conducted are relayed over KNX line.
- DA100 can use up to 8 DALI sensors. Sensors can operate the corridor and fixed lighting functions over DALI Groups. It is possible to relay movement information and brightness value to KNX line.
- The error status of DALI devices can be received by means of different KNX communication objects on device and group basis.
- Intersecting DALI groups can be created.

### Dimensions (mm)



**Technical Information**

<b>Protection Type</b>	IP 20	EN 60529
<b>Safety Class</b>	II	EN 61140
<b>KNX Feed</b>	Voltage range Current consumption	21 - 30V DC, SELV < 10mA
<b>External Feed</b>	Voltage range Power Consumption Current consumption	85 - 300V AC @ 50-60Hz ≤ 8W 100mA @ 85V AC
<b>DALI Feed</b>	Voltage range Current consumption	16V DC ~ ≤ 200mA
<b>Connections</b>	Screw terminal  Maximum Torque KNX Terminal	0,05 - 2,5mm <sup>2</sup> single core cable 0,03 - 1,5mm <sup>2</sup> multi core cable 0.5Nm Red-Black KNX Line Connection
<b>Output</b>	Number of DALI devices Cable lengths	Maximum 64 (max. 8 sensors) 1.5 mm <sup>2</sup> ≤ 300 m 0.75 mm <sup>2</sup> ≤ 150 m 0.5 mm <sup>2</sup> ≤ 100 m
<b>Configuration</b>	35 mm mounting rail	EN 60715
<b>Operating Elements</b>	Programming LED and button Green LED <sup>(7)</sup> Yellow LED <sup>(8)</sup>  Red LED <sup>(9)</sup> Manual Button <sup>(10)</sup> Test Button <sup>(11)</sup>	Used for physical address Problem-free KNX line First start-up (fast flashing) Device failure on DALI Line (slow flashing) Power supply fault (continuously on) Manual control active Entire DALI line on-off, dimming (when manual control is active)
<b>Operating Temperature</b>	Operation Storage Transportation	5°C +45°C -25°C +55°C -25°C +70°C
<b>Humidity</b>	Maximum humidity	95% no condensation
<b>Dimensions</b>		70 x G x 91mm
	Width W (mm)	69mm
	Width W (unit)	4 modules (18 mm module)
<b>Weight</b>		0.15 kg
<b>Box</b>	Plastic, Polycarbon, Grey	
<b>CE</b>	Pursuant to EMC Guide and Low Current Regulation	
<b>Application Program</b>	Communication objects 249	Max. Group Addresses 254 Max. no. of matches 255

**Ordering Information**

Product Name	Product Code	Ordering Code	Package Information
DA100 EAE Knx Dali Gateway V2	SMP DA100 EAE S-KNX	48059	1 unit



# DA110

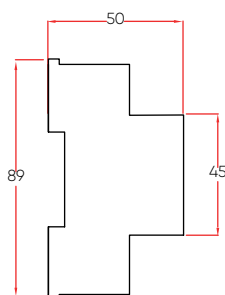
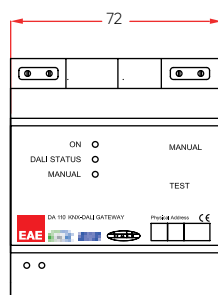
EAE KNX-DALI GATEWAY (Individual DALI Load Control)



## General Specifications

- DA110 KNX-DALI interface operates as a DALI-IEC 62386 standard compliant gateway between KNX line and DALI. DALI line power supply is available as integrated to the device.
- Maximum of 64 DALI devices can be connected to DALI outlet (electronic ballast, LED drive, ECK, sensor).
- The operations such as addressing, grouping, etc. of DALI devices are performed by means of Windows based DALI commissioning software (EAE DALI Commissioning Tool).
- DA110 provides the means for the recording of 16 DALI Group controls and 64 different lighting scenes.
- The functional and battery testing calendars are loaded on to DALI compliant emergency lighting fixtures to ensure that periodic tests are conducted. The results of the tests conducted are relayed over KNX line.
- The error status of DALI devices can be received by means of different KNX communication objects on device and group basis.

## Dimensions (mm)



## Technical Information

<b>Protection Type</b>	IP 20	EN 60529
<b>Safety Class</b>	II	EN 61140
<b>KNX Feed</b>	Voltage range Current consumption	21 – 30V DC, SELV < 10mA
<b>External Feed</b>	Voltage range Power Consumption Current consumption	85 – 300V AC @ 50-60Hz ≤ 8W 100mA @ 85V AC
<b>DALI Feed</b>	Voltage range Current consumption	16V DC ~ ≤ 200mA
<b>Connections</b>	Screw terminal  Maximum Torque KNX Terminal	0,05 – 2,5mm <sup>2</sup> single core cable 0,03 – 1,5mm <sup>2</sup> multi core cable 0.5Nm Red-Black KNX Line Connection
<b>Output</b>	Number of DALI devices Cable lengths	Maximum 64 (max. 8 sensors) 1.5 mm <sup>2</sup> ≤ 300 m 0.75 mm <sup>2</sup> ≤ 150 m 0.5 mm <sup>2</sup> ≤ 100 m
<b>Configuration</b>	35 mm mounting rail	EN 60715
<b>Operating Elements</b>	Programming LED and button Green LED <sup>(7)</sup> Yellow LED <sup>(8)</sup>  Red LED <sup>(9)</sup> Manual Button <sup>(10)</sup> Test Button <sup>(11)</sup>	Used for physical address Problem-free KNX line First start-up (fast flashing) Device failure on DALI Line (slow flashing) Power supply fault (continuously on) Manual control active Entire DALI line on-off, dimming (when manual control is active)
<b>Operating Temperature</b>	Operation Storage Transportation	5°C +45°C -25°C +55°C -25°C +70°C
<b>Humidity</b>	Maximum humidity	95% no condensation
<b>Dimensions</b>	Width W (mm) Width W (unit)	70 x G x 91mm 69mm 4 modules (18 mm module)
<b>Weight</b>		0.15 kg
<b>Box</b>	Plastic, Polycarbon, Grey	
<b>CE</b>	Pursuant to EMC Guide and Low Current Regulation	
<b>Application Program</b>	Communication objects 249	Max. Group Addresses 254 Max. no. of matches 255

## Ordering Information

Product Name	Product Code	Ordering Code	Package Information
DA110 EAE Knx Dali Gateway	SMP DA110 EAE S-KNX	48107	1 unit

# UD106

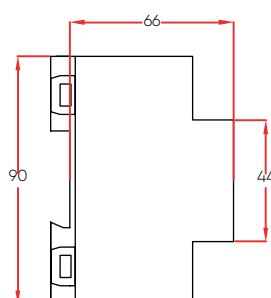
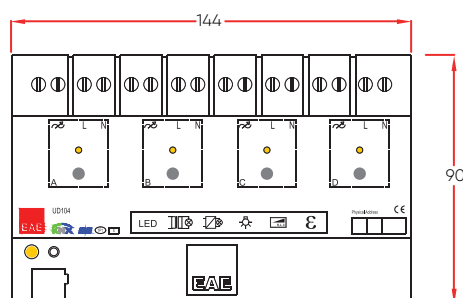
## EAE KNX UNIVERSAL DIM MODULE



### General Specifications

- Incandescent lamp, halogen lamp, dimmable LED and fluorescent lamps can be dimmed up to 1200W/VA-1800W/VA in 4-6 parallel channels.
- Flexibility to connect loads even below 2W (LED bulbs) without any lower limit
- 4 and 6 independent channels that can be parameterized via ETS5.
- Manual operation feature for each channel using membrane switches.
- Each channel can actualize any of these functions separately.
  - Following function list provided;
    - Staircase lighting
    - Forced Operation
    - Channel Grouping (merging outputs for higher power loads)
    - Scene Function
    - Electrical Measurements (Voltage)
    - Error Detection
- Configurable behaviour after voltage return, voltage failure or ETS download.

### Dimensions (mm):



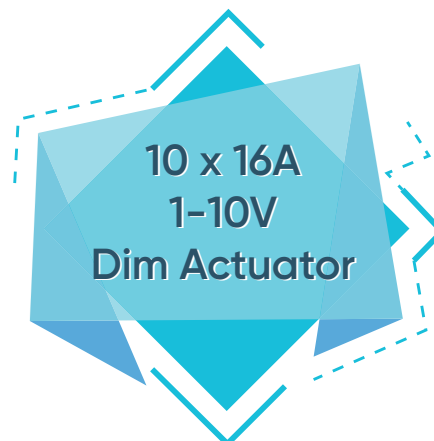


**Technical Information**

<b>Protection Type</b>	IP 20	EN 60529
<b>Safety Class</b>	II	EN 61140
<b>Feed</b>	Voltage range	21 - 30V DC, SELV
	Current consumption	< 20mA
<b>Connections</b>	Screw terminals	0,05 - 3,31 mm <sup>2</sup> solid and stranded wire 0,05 - 3,31 mm <sup>2</sup> stranded wire with ferrule
	Max tightening torque	0.78 Nm
	KNX Terminal	Bus connect terminal
<b>Dim Output</b>	Number	6 Outputs (can be used in parallel)
	Voltage Range	0...300VAC; 50/60Hz
	Switching Power	350W / 300VA (1x1500VA)
<b>Type of Load</b>	Incandescent lamps	
	Halogen lamps	
	Inductive transformers	
	Electronic drivers	
	Phase dimmable electronic drivers	
	Dimmable LED lamps	
<b>Installation</b>	Dimmable fluorescent lamps	
	35mm mounting rail	EN 60715
<b>Operating Elements</b>	LED (red) and button	For physical address
<b>Temperature range</b>	Ambient	- 5°C +45°C
	Storage	-25°C +55°C
<b>Humidity</b>	max. air humidity	95 % no moisture condensation
<b>Dimensions</b>		66,5 x W x 89mm
	Width W in mm	162 mm
	Width W in units (18 mm modules)	9 modules
<b>Weight</b>	0,3 kg	
<b>Box</b>	Plastic, polycarbonate, colour grey	
<b>CE</b>	In accordance with the EMC, LVD and RoHS directives	

# SD110

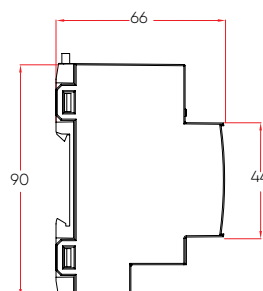
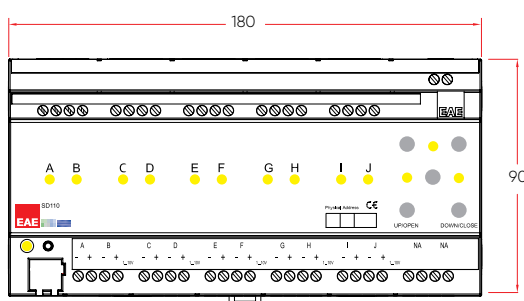
## EAE KNX 1-10V DIM ACTUATOR



### General Specifications

- 10 independent channels that can be parameterized via ETS4/ETS5.
- Manual operation feature for each channel using membrane switches.
- Each channel can actualize any of these functions separately.
  - Following function list provided;
    - Staircase
    - Scene
    - Operating Hour
    - Forced Operation
    - Brightness
    - Relay
    - Current Detection
- Configurable behaviour after voltage return, voltage failure or ETS download.
- Integrated relay on each channel for complete switch off
- Does not require an additional power supply.

### Dimensions (mm):



**Technical Information**

<b>Protection Type</b>	IP 20	EN 60529	
<b>Safety Class</b>	II	EN 61140	
<b>Feed</b>	Voltage range	21 - 30V DC, SELV	
	Current consumption	< 20mA	
<b>Connections</b>	Screw terminals	0,05 - 3,31 mm <sup>2</sup> solid and stranded wire	
		0,05 - 3,31 mm <sup>2</sup> stranded wire with ferrule	
	Max tightening torque	0.5 Nm	
	KNX Terminal	Bus connect terminal	
<b>Dim Output</b>	Number	Max 10 Outputs	
	Signal	1-10V DC for dimming control	
	Current Limit	30 mA per channel	
<b>Relay Output</b>	Number	Max 10 Outputs	
	Maximum switching power	4000 VA	
	Mechanical life	> 1 x 10 <sup>5</sup>	
	Switching current	16A (10 AX)	
	Switching Voltage	250 VAC; 50/60 Hz	
	Switching capacitive load	200°F	
<b>Type of contact</b>	Potential-free, bistable		
<b>Installation</b>	35mm mounting rail	EN 60715	
<b>Operating Elements</b>	LED (red) and button	For physical address	
<b>Temperature range</b>	Ambient	- 5°C +45°C	
	Storage	-25°C +55°C	
<b>Humidity</b>	max. air humidity	95 % no moisture condensation	
<b>Dimensions</b>	Width W in mm	66 x W x 90mm	
	Width W in units (18 mm modules)	180 mm	
<b>Weight</b>	0,5 kg	10 modules	
<b>Box</b>	Plastic, polycarbonate, colour grey		
<b>CE</b>	In accordance with the EMC, LVD and RoHS directives		
<b>Application Program</b>	Communication objects	Number of addresses(max)	Number of assign-
	ments(max)		
	254	255	255

**Ordering Information**

Product Name	Product Code	Ordering Code	Package Information
EAE 1-10V Dim Actuator	SMP SD110 EAE S-KNX	48032	1unit



# FCA100

## EAE KNX-FANCOIL ACTUATOR

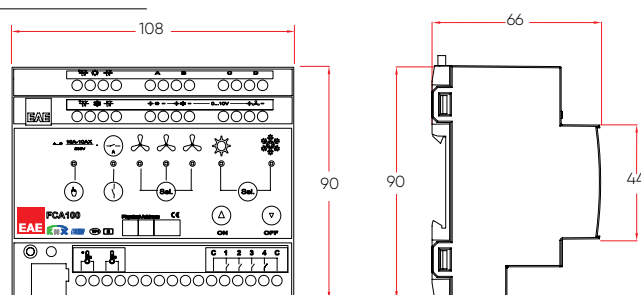


One actuator  
for all types of  
fan coil units

### General Specifications

- Fan Coil Actuator FCA100 is designed as all in one product for different way of Fan coil and Valve control together.
- Fan Coil Actuator FCA100 covers HVAC systems of the electrical installation of room applications and offers following functions in one product.
  - Controlling fan coils (2 & 3-point valve) • Additional Heat or Cooling • Switching auxiliary load
  - Dry contact inputs • Temperature inputs
- FCA100 has 11 outputs, 6 inputs inside. These outputs and inputs are using for:
  - Auxiliary Output x1 (Relay 16A)
  - Fan Speed Output x1 (0-10 V Signal)
  - Valve Control Output x2 (0-10 V Signal)
  - Fan Speed Output x3 (Relay 16A)
  - Valve Control Output x4 (Triac 0.5A)
  - Dry Contact Input x4
  - NTC Sensor Input x2
- Suitable for switching resistive, capacitive and inductive loads as well as fluorescent lamp loads according to EN 60 669.
  - Any kind of load (up to 16A per channel)
- Device has 4 independent input channels. Input channel operates as well as universal interface with following functions,
  - Switch / push button sensor • Dew-point sensor • Window sensor
- Manual control is possible for each channel through the built-in button panel.
- Device has 2 temperature input channels separately. Temperature Inputs can be used with following functions
  - Single • Weighted (Multi temp sensor)
- 220V auxiliary power is not required.

### Dimensions (mm)



**Technical Information**

Protection Type	IP 20	EN 60529	
Safety Class	II	EN 61140	
Power supply	Voltage	21V... 30V DC, SELV	
	Current consumption	< 10 mA	
External supply	-	-	
Connections	Screw terminals	0,5...3,31 mm solid and stranded wire	
		0,5...3,31 mm stranded wire with ferrule	
	Max tightening torque	0.5 Nm	
Output	KNX	Bus connect terminal	
	Number	11 output	
	Non-floating	Yes, 4 for Heating/Cooling Valve	
	Rated Voltage	250 V AC; 50/60 Hz	
	Rated Current	0.5 A	
Triac	Short-Circuit Protection	Yes	
	Switching voltage	250V AC; 50/60 Hz (1 Aux + 3 Fan Speed)	
	Switching capacity 250V AC	16A / AC 1	
	Switching current 250 V AC, capacitive loads	16A (200µF)	
	Maximum switching power	4000 VA	
Relay	Mechanical life	> 1 x 10 <sup>6</sup>	
	Current Limit	1.40mA (1 Fan Speed + 2 Valve)	
	Signal	0...10V DC	
	Source/Sink	Source	
	Input	Number	6 Inputs
Generic Input	Scanning Voltage (for binary input)	5 V pulsed (4 Input)	
	Current (for binary input)	1 mA	
	Cable length	<300 m	
Temp. Input	Sensor Type	NTC (2 Input)	
Installation	35mm mounting rail	EN 60715	
Operating elements	LED (red) and prg. button	For physical address	
	Manual Button	Switching to manual mode	
	Sel. Buttons	Fan speed and HVAC mode change	
	ON / OFF Buttons	Switching Valve ON / OFF	
	Switch Button	Auxiliary Output Control	
Temperature range	Ambient	-5° C + 45° C	
	Storage	-25° C + 55° C	
Humidity	max. air humidity	85 % no moisture condensation	
Dimensions	Width W in mm	66 x W x 90mm	
	Width W in units (18 mm modules)	108 mm	
Weight	0.395 kg	6 modules	
Box	Plastic, polycarbonate, colour grey		
CE	In accordance with the EMC guideline and low voltage		
Application program	Communication objects	Number of addresses(max)	Number of assign-ments(max)
	41	255	255

**Ordering Information**

Product Name	Product Code	Ordering Code	Package Information
EAE KNX Fancoil Actuator	SMP FCA100 EAE F-KNX	48132	1 unit

# PS320 / PS640

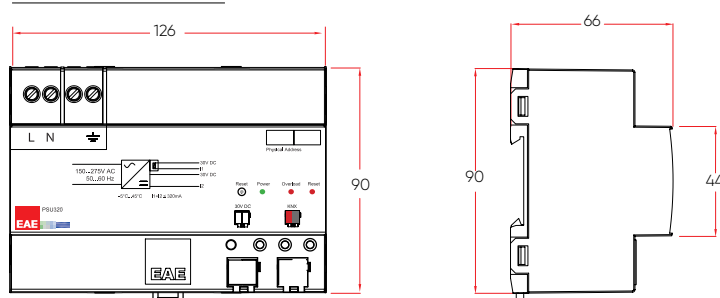
EAE KNX – POWER SUPPLY



## General Specifications

- EAE KNX Power Supply is available in 320 mA and 640 mA versions.
- Input voltage range 150-275V AC, 50 60Hz
- Both models have two voltage outputs.
  - Output 1: KNX bus power with an integrated choke. (30VDC, SELV)
  - Output 2: Additional voltage output. (30VDC, SELV)
- Power supply outputs are short-circuit and overload protected.
- Power, Overload and Reset statuses are indicated with three different LED indicators
- Device can be restarted by pressing reset button on the device.

## Dimensions (mm)





### Technical Information

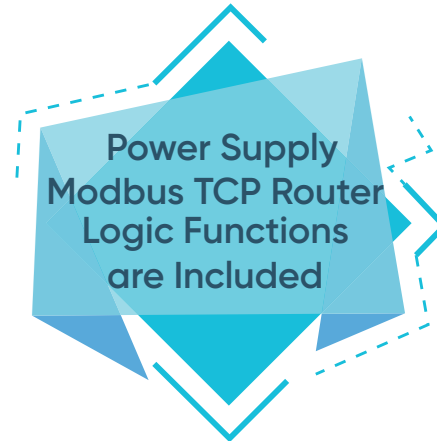
<b>Protection Type</b>	IP 20	EN 60 529
<b>Safety Class</b>	II	EN 61 140
<b>Insulation category</b>	Over voltage category Pollution degree	III EN 60 664-1 2 EN 60 664-1
<b>Main Supply</b>	Input voltage Power consumption PS320 Power consumption PS640 Power loss PS320 Power loss PS640	150-275V AC, 50-60Hz 11,5 W 22 W 2 W 3,6 W
<b>Output</b>	Output 1  Output 2 Short-circuit current PS320 Short-circuit current PS640	KNX bus 30 VDC +1/-2 V, SELV ((integrated choke) 30 VDC +1/-2 V, SELV (without choke) 1 A 1,5 A
<b>Connections</b>	Screw terminal  Maximum torque KNX	0,2 – 5,3 mm solid and stranded wire 0,2 – 5,3 mm stranded wire with ferrule 0.78 Nm Red-Black KNX Bus
<b>Installation</b>	35mm mounting rail	EN 60 715
<b>Operational elements</b>	Power (green) Overload (red) Reset button and LED (red)	ON: Input voltage and KNX voltage is OK. ON: Overload or short-circuit. ON: Reset in progress. Press and hold reset button until the reset LED lights up. No power on KNX bus for 20 s. After reset, rest LED will turn off.
<b>Temperature</b>	Ambient Storage	-5° C + 45° C -25° C + 55° C
<b>Humidity</b>	Max. air humidity	95 % no moisture condensation
<b>Dimensions</b>	Width G (mm) Width G (unit)	60 x W x 90 mm 126 mm 7 module (18 mm module)
<b>Weight</b>	PS320 PS640	0.28 kg 0,29 kg
<b>Box</b>	Plastic, polycarbonate, colour grey	
<b>CE</b>	In accordance with the EMC guideline and low voltage	

### Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE KNX Power Supply 640mA	SMP PS640A EAE S-KNX	48023-640	1 unit
EAE KNX Power Supply 320mA	SMP PS320A EAE S-KNX	48023-320	1 unit

# KMG103

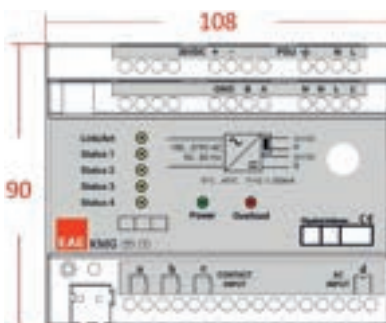
## EAE KNX MODBUS GATEWAY



### General Specifications

- EAE KMG103 can be used to control and monitor KNX installations via SCADA visualization software.
- IP address of device can be given by DHCP server or by manual configuration.
- EAE KMG103 includes patent-pending logic controller that enables room energy saver system without using card holder.
- Device has 3 physical inputs for door, window and presence sensing.
- EAE KMG103 has built-in 320mA or 640 mA KNX bus power supply for KNX devices. (110V, 220V AC are available)
- KNX Power supply output is short-circuit and overload protected.
- Power, overload and reset statuses are indicated with three different LED indicators.
- Power supply can be restarted by pressing reset button on the device.

### Dimensions (mm)

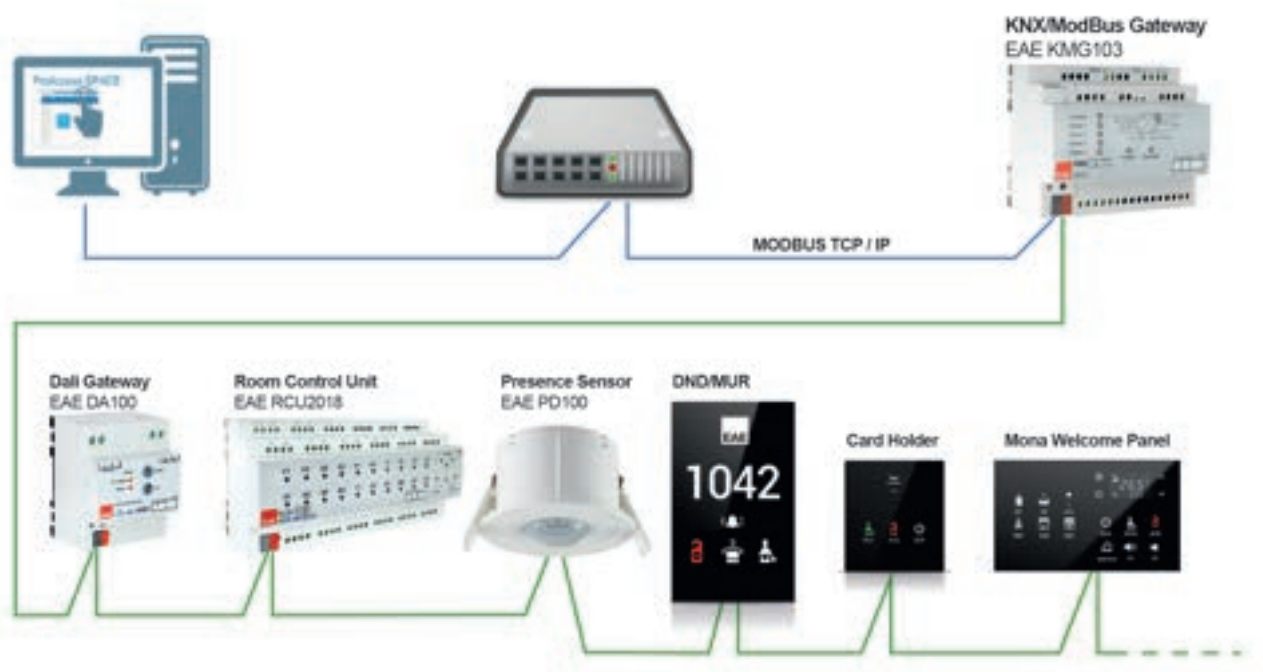


## Technical Information

Type of Protection	IP20	EN 60 529
Safety Class	II	EN 61 140
Insulation Category	Over voltage category Pollution Degree	III EN 60 664 - 1 2 EN 60 664 - 1
Main Supply	Input Voltage Power consumption	150-275V AC, 50-60Hz 7W
Output	KNX Bus	30 VDC +1 / -2V, SELV (Integrated choke) 640mA
Connection	IP Line  KNX Line	RJ45 socket for 10/100BaseT, IEEE 802.3 networks Bus Connection Terminal
Display Elements	ETH Link ETH Act LED for programming mode	Status Fault
Operating Elements	Function button, Programming button	
Installation	35mm DIN rail mount	EN 60 715 TH 35-75
Temperature Range	Operation Storage	-5°C + 45°C non-condensing -20°C + 60°C
Humidity	5% to 93% no moisture condensation	
Dimensions	H x W x D	90mm x W x 70mm
Weight	66g	
Box	Plastic PA66 housing grey	
CE	in accordance with EMC and low voltage guidelines Device complies with, EN 50090-2-2, IEC 60664-1	

## Ordering Information

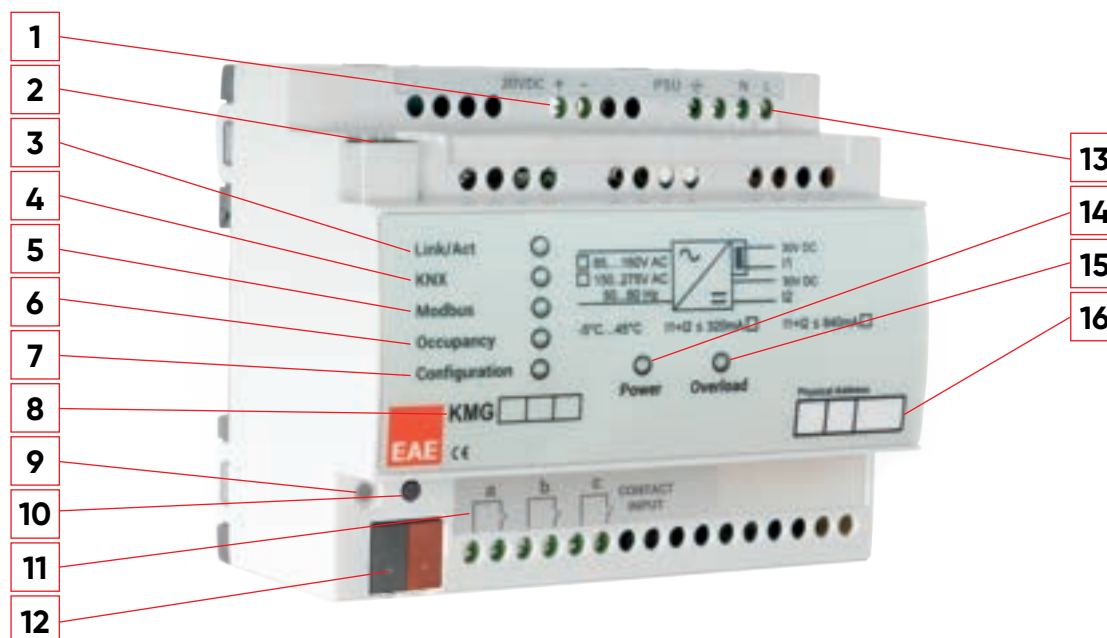
Product Name	Product Code	Ordering Code	Package Information
EAE KNX Modbus Gateway	SMP KMG103 EAE S-KNX (320mA)	48198	1 unit



# KMG103

## EAE KNX MODBUS GATEWAY

KMG Function Diagram



No	Function
1	KNX Auxiliary Output - 30V
2	CAT6 Modbus TCP/IP Connection
3	Ethernet Connection / Transmission LED
4	KNX Connection / Transmission LED
5	Modbus Connection / Transmission LED
6	Occupancy State LED
7	PC Configurator Software Connection LED
8	Model Name Label

No	Function
9	Reset LED
10	Reset / Factory Reset Button
11	Dry Contact Inputs (Presence A, Door B, Window C)
12	KNX Connection Terminal
13	Power Supply Input
14	Power LED
15	Overload LED
16	Physical Address Label

- KMG is also a gateway between KNX line and Modbus TCP line. Device is reaching Modbus TCP line directly.
- Device has 3 dry contact inputs for ; Doors, Windows and Presence.
- Power, overload and reset statuses are indicated with three different LED indicators. KNX Power supply output is short-circuit and overload protected.
- Power supply can be restarted by pressing reset button on the device.



## KMG Logic Function and Scenes

More energy saving becomes easier with the KNX / Modbus Gateway device.  
4 different scenarios can be defined for KMG.

### 1- Pre-Welcome Scene

As soon as the guest enters the room, the desired lighting will turn on in pre-welcome scenario.

### 2. Welcome Scene

During the welcome scenario, as long as the guests are in the room, the use of lighting, HVAC, shading, socket is allowed in the room.

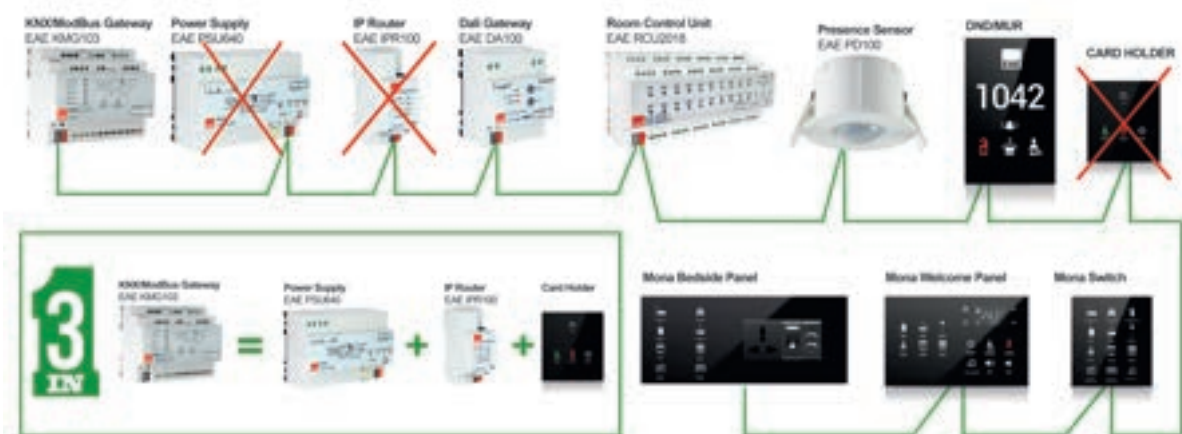
### 3. Leave Scene

When the guest leaves the room, the leaving scenario is activated. All lighting, sockets and air conditioning will be switched off. If desired, the air conditioning state can be set to desired set temperature or mode state.

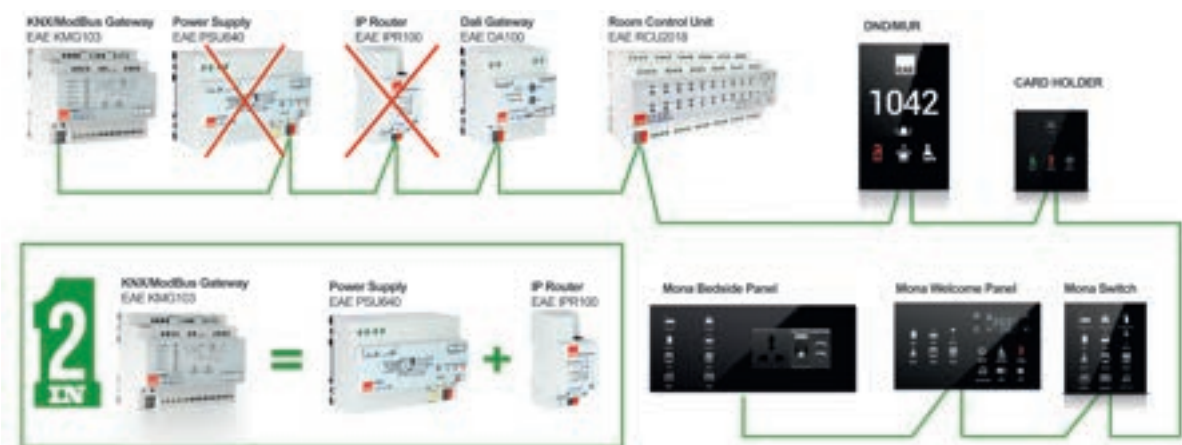
### 4. Check in / out Scene

After the check-in / out actions of the guests, the desired scenarios can be activated with the GRMS software and the hotel PMS integration.

#### GRMS Solution without using Card Holder



#### GRMS Solution with using Card Holder



# UI108

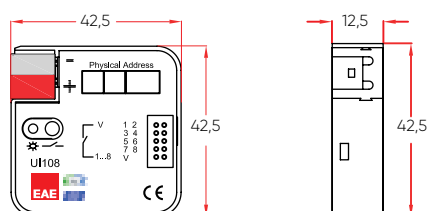
## EAE KNX-UNIVERSAL INTERFACE



### General Specifications

- 8 functional input channels that could be adjusted by means of ETS3/ETS4/ETS5.
- Easy connection with colored connection cables.
- Use by means of conventional switches/buttons upon installation in flush mounted switch boxes.
- Means for including the devices reporting dry contact information, in KNX line.
- The channels are identical with each being in possession of the following functions:
  - Switching
  - Dimming
  - Curtain control
  - Value and priority information relay
  - Scene control
  - Pulse counter

### Dimensions (mm)



### Technical Information

<b>Feed</b>	Voltage range	21 – 30V DC, KNX Line	
	Current consumption	< 10mA	
<b>Inputs</b>	Number of connection points	8inputs	
	Permitted cable length	≤ 10 m	
<b>Input</b>	Detected Voltage	3.3 V DC	
	Input current	0.5 mA	
	Safety	Short circuit protection, over voltage protection, reverse voltage protection	
<b>Operating Elements</b>	LED (Red) and button	Used for programming the device	
<b>Connections</b>	Inlets	2 x 5 Connector	
	KNX	Bus connect terminal	
<b>Operating Temperature</b>	Operation	-5°C	+45°C
	Storage	-25°C	+55°C
	Transportation	-25°C	+70°C
<b>Dimensions</b>	42.5 x 42.5 x 12 mm		
<b>Weight</b>	0.06 kg		
<b>Box</b>	Plastic, poly-carbon, gray		
<b>CE</b>	Pursuant to EMC Guide and Low Current Regulation		
<b>Application Program</b>	Communication objects	Max. Group Addresses	Max. no. of matches
	56	254	255

### Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE Universal Interface Module – 8 ch. SMP UI108 EAE S-KNX		48003	1 unit

# ACGME100

# EAE KNX-MITSUBISHI ELECTRIC AC GATEWAY

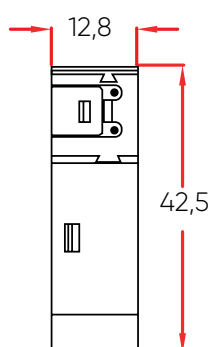
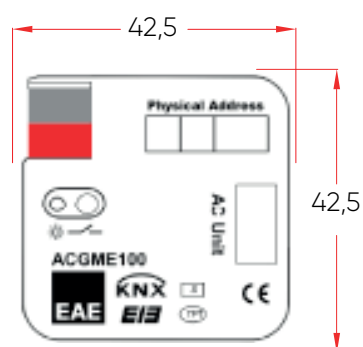


- Easy to Setup
- Two-way communication
- Energy efficiency

## General Specifications

- Customizable AC functions for optimum control
- Operating Hours & Alarm
- Remote Lock Functionality
- Bus Return AC behaviors
- Scene Function
- Energy Saver functions (Window/Door Sensor and Auto OFF Timer)
- Logic Function

Dimensions (mm)





### Technical Information

Safety Rating	IP20	EN 60 529
Safety Class	II	EN 61 140
Power supply	Voltage	22V... 30V DC, via the KNX bus
	Current draw from bus voltage	≤10mA
AC Com Port	Cable length	≤3 m
Operating elements	LED (red) and button	For physical address
Temperature range	Ambient	-5° C + 45° C
	Storage	-25° C + 55° C
Humidity	Maximum	90% non-condense
Dimensions	42,5 x 42,5 x 12,8 mm	
Weight	0.06 kg	
Box	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC guideline and low voltage directives.	

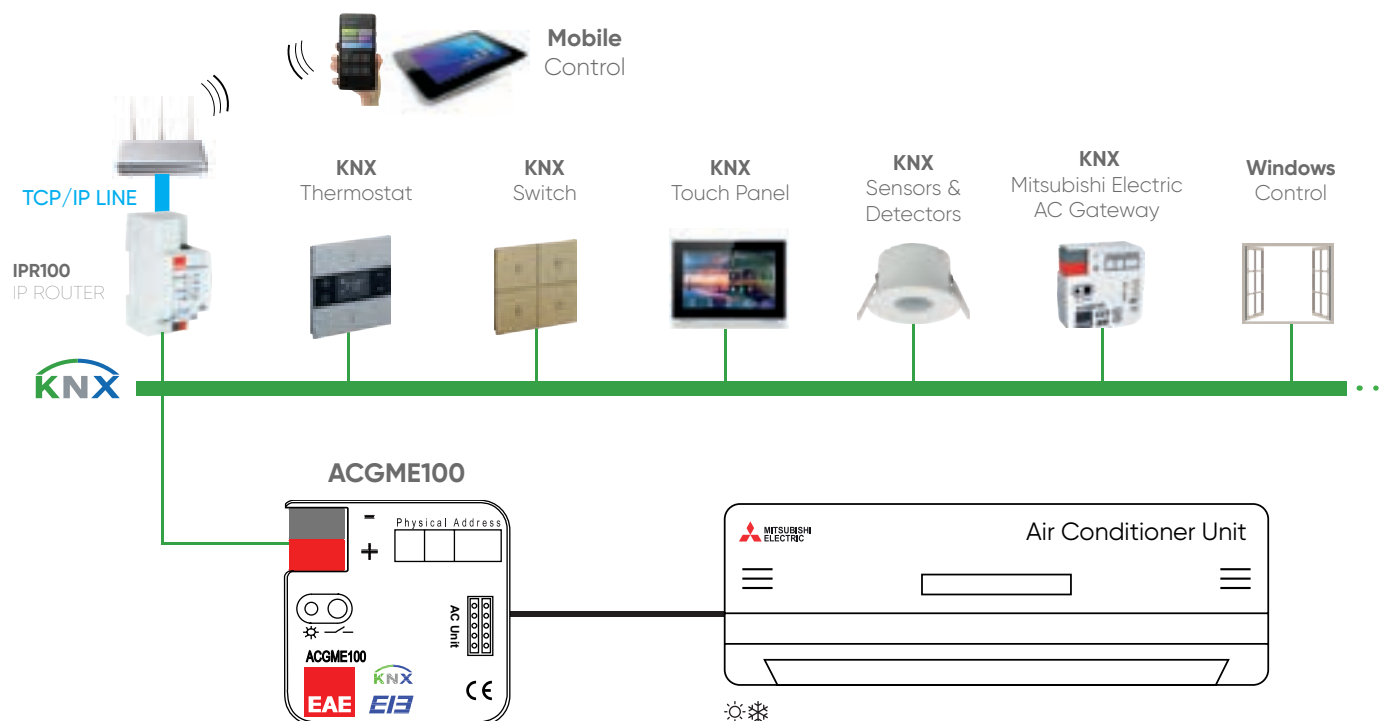
### Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE Mitsubishi Electric AC KNX Gateway	ACGME100	48262	1 unit

### Easy Installation And Integration

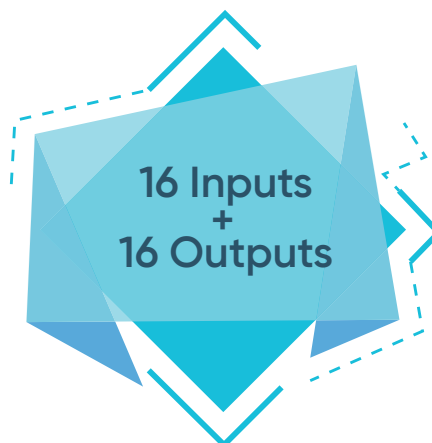
Mitsubishi Electric AC KNX Gateway has quite easy installation.

It can be installed in a suitable location far-off Mitsubishi Electric air conditioner or inside the Mitsubishi Electric AC unit. By working compatible and interactive with other KNX applications, it enables energy efficiency to remain in the highest level.



# MIO1616

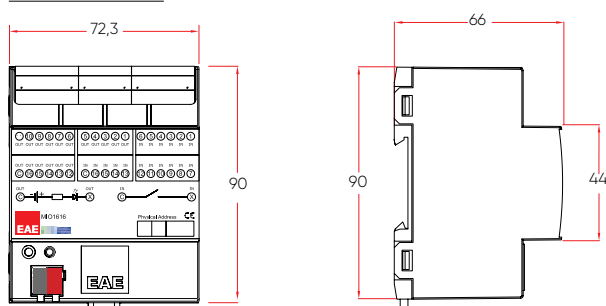
## EAE KNX – MULTI INPUT/OUTPUT



### General Specifications

- The KNX Multi Input/output MIO1616 provides multiple connections for push buttons and signal lamps for building functions in one device.
- All channels can be parameterized independently with ETS4/ETS5 or higher version.
- MIO1616 has 16 input channels and 16 output channels
- 16 input channels provide following function list,
  - Switch / push button input
  - Dimmer control
  - Control of shutter/blinds
  - Value
  - Scene control
  - Counter for count pulse
- 16 output channels provide following function list,
  - LED control
- Does not require an external power supply

### Dimensions (mm)



### Technical Specifications

Type of protection	IP20	EN 60 529
Safety class	II	EN 61 140
Power supply	- Voltage	21V... 30V DC, KNX Line
	- Current draw from bus voltage	<10 mA
Inputs	- Number	16 inputs
	- Maximum cable length	<10 m
Input	- Scanning voltage	5V DC
	- Input current	0.5 mA
Outputs	- Number	16 outputs
	- Maximum cable length	<10 m
Output	- Output current	400 mA
	- Load type	Resistive
Operating elements	- LED (red) and button	For physical address
Connections	- Input /Output	
	- KNX	Bus connect terminal
Temperature range	- Ambient	-5° C + 45° C
	- Storage	-25° C + 55° C
Humidity	- max. air humidity	95 % no moisture condensation
Dimensions		65,5 x G x 89mm
	Width W in (mm)	72 mm
	Width W in units (18 mm modules)	4 modulel (18 mm module)
Weight	0.15 kg	
Box	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC guideline and low voltage	
Application program	Communications objects	144
	Number of addresses (max)	255
	Number of assignments (max)	255

### Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE KNX - Multi Input / Output	SMP MIO1616 EAE S-KNX	48026	1 unit

# IPR200 / IPI200

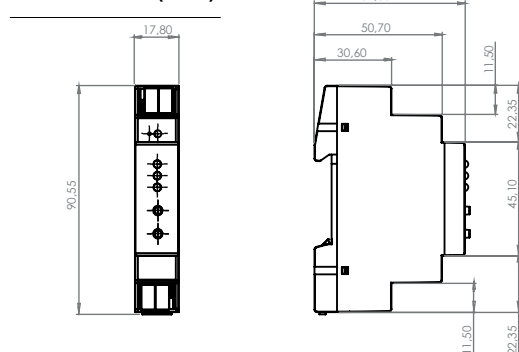
## EAE KNX-IP ROUTER / IP INTERFACE



### General Specifications (IPR200)

- The device supports 5 simultaneous KNXnet/IP Tunneling connections.
- The IPR200 with compact design has a width of only 1 module (18 mm) and is powered by the KNX bus.
- The device forwards telegrams between different KNX TP lines via LAN (IP) as a fast backbone and is an alternative to KNX line coupler.
- The IPR200 can also be used in the ETS® as a programming interface.
- The IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively.
- The IPR200 has a full-range filter table and a large telegram buffer.
- The buttons and LEDs on the device allow a local diagnosis including the operating status and communication errors.

### Dimensions (mm)





### Technical Information (IPR200)

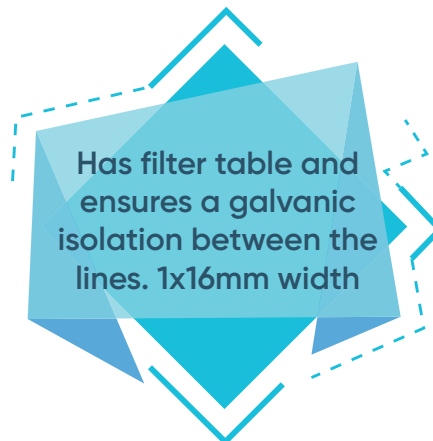
Protection Type	IP 20	IEC 60 529
Safety Class	III	IEC 61140
Degree of Pollution	2	IEC 60664
Overvoltage Class	III	IEC 60664
Power Supply	Voltage	21...30V DC, SELV
	Current Consumption	< 15 mA
Connections	KNX Line	Bus connection terminal
	IP Line	RJ45 socket
Operating Elements	Function button, programming button, LEDs	
Installation	35mm DIN rail mount	EN 60 715 TH 35-75
Temperature Range	Operation	-5° C + 45° C
	Storage	-25° C + 70° C
Humidity	%5 to 93 % non-condensing	
Dimensions	-H x W x D	90 mm x W x 70 mm
	Width W in mm	18 mm (1 module)
		Mounting depth 64 mm
Weight	40 g	
Box	Plastic PA66 housing grey	
CE	in accordance with EMC and low voltage directives.	

### Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE IPR200 KNX-IP Router	SMP IPR200 IP ROUTER	50563	1 unit
EAE IPI200 KNX-IP Gateway	SMP IPI200 IP INTERFACE	50562	1 unit

# LC200

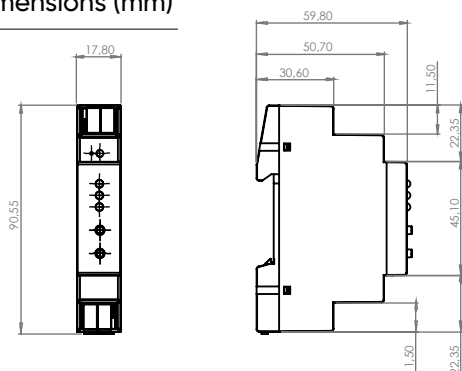
## EAE KNX-LINE COUPLER



### General Specifications

- The EAE LC200 Line Coupler connects two KNX segments (for example, a KNX line with a KNX area). It has a very compact design.
- The device has a filter table (8K bytes) for main group 0..31 and ensures a galvanic isolation between the lines.
- The coupler supports KNX longframes and is compatible with the ETS® software (ETS4.2 or higher).
- The buttons on the front panel allow disabling the telegram filter for testing purposes.
- The LEDs indicate the operating status and communication errors on the bus.
- The power is supplied via the KNX bus (main line).on the bus.

### Dimensions (mm)



### Technical Information

<b>Protection Type</b>	IP 20	EN 60529
<b>Safety Class</b>	III	IEC 61140
<b>Power Supply</b>	Voltage	21...30V DC, SELV
	Current Consumption (main)	< 5 mA
	Current Consumption (sub)	< 3 mA
<b>Connections</b>	KNX Line (main)	Bus connection terminal
	KNX Line (sub)	Bus connection terminal
<b>Operating Elements</b>	Function button, programming button, LEDs	
<b>Installation</b>	35mm DIN rail mount	EN 60 715 TH 35-75
<b>Temperature Range</b>	Operation	-5° C + 45° C
	Storage	-25° C + 70° C
<b>Humidity</b>	%5 to 93 % non-condensing	
<b>Dimensions</b>	-H x W x D	90 mm x W x 70 mm
	Width W in mm	18 mm (1 module)
		Mounting depth 64 mm
<b>Weight</b>	40 g	
<b>Box</b>	Plastic PA66 housing grey	
<b>CE</b>	in accordance with EMC and low voltage directives.	

### Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE KNX - Line Coupler	SMP LC200 EAE S-KNX	50562	1 unit

## SWITCHES



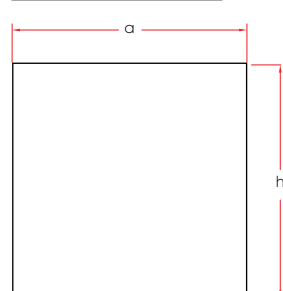
### General Specifications

- Can be configured with ETS5.
- Glass, metal and plastic switch series.
- Wide range of colors (see: KNX Hotel, Residence and Smart Home Catalogue).
- Wide collection options;
  - Single to 6 fold for Oria Serie
  - Single to 3 fold for Rosa Metal and Crystal Series
  - 1 to 12 button for Mona Serie
- Product options with and without notification LED.
- Optionally, icon is available.
- Different color options (see: KNX Smart Home catalog).
- Easy installation to EU and BS backboxes.
- Channels are identical, each with the following functions;
  - Switching,
  - Dimming,
  - Shutter/Blind Control,
  - Value,
  - Scene Control,
  - Status notification LED

### Technical Information

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Feed	Voltage range	21-30V DC, Over EIB/KNX data line
	Feed voltage	15 mA
	Power consumption	15 mA x 30V
Connections	EIB/KNX	Feeds through EIB/KNX data line
Operation LEDs	Programming LED for each fold	To define physical address 1 to 5 RGB LED
Button Operation Life	100.00	
Operation Temperature	Operation	-5° C + 45° C
	Storage	-25° C + 55° C
	Transportation	-25° C + 70° C
CE	Pursuant to EMC Guided and Low Voltage Regulation	

### Dimensions (mm)



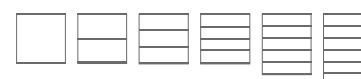
Type	a	b	h
Single	90	11	100



Type	a	b	h
Single	80	8,5	80
1 Fold	80	8,5	80
2 Fold	80	8,5	80
3 Fold	80	8,5	80



Type	a	b	h
Single	90	9	90
1 Fold	90	9	90
2 Fold	90	9	90
3 Fold	90	9	90
4 Fold	90	9	90
5 Fold	90	9	111,5
6 Fold	90	9	133





# THERMOSTATS



## General Specifications

- Can be configured with ETS5
- Wide collection option up to 4 Folds
- Glass, metal and plastic thermostat series
- Temperature control via digital LCD
- Internal temperature sensor (°C/ °F)
- Adjustable fan speed (1, 2, 3, Automatic)
- Multiple operation modes (Comfort, Night, Out, Off)
- Fully automated operation feature (warm-cold transition)
- Control of all HVAC units including VRF-VRV and air conditioning devices
- PI proportional, PI on-off (PWM), On/Off, Fan coil, Split unit controls
- Easy installation to EU and BS backboxes
- Programmable buttons can be programmed for various functions. (2 dependent or 4 independent)
  - Switching,
  - Dimming,
  - Shutter/Blind Control,
  - Value,
  - Scene Control,
  - Status notification LED

## Technical Information

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Feed	Voltage range	21-30V DC, Over EIB/KNX data line
	Feed voltage	20 mA
	Power consumption	20 mA x 30V
Operation LEDs	Programming LED for each fold	To define physical address 1 to 5 RGB LED
Button Operation Life	100.00	
Operation Temperature	Operation	-5° C + 45° C
	Storage	-25° C + 55° C
	Transportation	-25° C + 70° C
CE	Pursuant to EMC Guided and Low Voltage Regulation	

## Dimensions (mm)

mona				rosa				oria			
Type	a	b	h	Type	a	b	h	Type	a	b	h
Single	90	11	100	1 Fold Thermostat	80	8,5	80	2 Fold Thermostat	90	9	90
				2 Fold Thermostat	80	8,5	80	3 Fold Thermostat	90	9	111,5
								4 Fold Thermostat	90	9	133

The diagram illustrates the dimensions of the thermostats. For the 'mona' model, 'a' is the width (90mm), 'b' is the depth (11mm), and 'h' is the height (100mm). For the 'rosa' model, 'a' is the width (80mm), 'b' is the depth (8.5mm), and 'h' is the height (80mm). For the 'oria' model, 'a' is the width (90mm), 'b' is the depth (9mm), and 'h' is the height (90mm for 2-fold, 111.5mm for 3-fold, and 133mm for 4-fold). The diagram also shows the physical layout of the buttons and display for each model.

# CERTIFICATES

EAE Technology products are and will always be in compliance with international open standards such as KNX, DALI, TCP/IP and WiFi.



KNX is the worldwide standard for home and building control. KNX offers at the same time the reliability of a consolidated system, market leader for over twenty years. (470 KNX Members, 8000 Products, 470 KNX Training Centers, 83000 KNX Partners, 190 Countries)



DALI (Digital Addressable Lighting Interface) is a protocol for digital lighting control that enables the easy installation of robust, scalable and flexible lighting networks.



EU rules restricting the use of hazardous substances in electrical and electronic equipment to protect the environment and public health.



This standard is based on a number of quality management principles including a strong customer focus, the motivation and implication of top management, the process approach and continual improvement. These principles are explained in more detail in ISO's quality management principles.



The EAC certifications are issued by independent EAC certification bodies and their laboratories accredited by the relevant agencies of the five members of the EAC Economic Union: Russia, Belarus, Kazakhstan, Armenia and Kyrgyzstan.





# **SOME OF OUR REFERENCES**

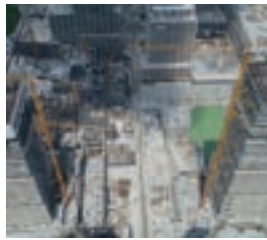
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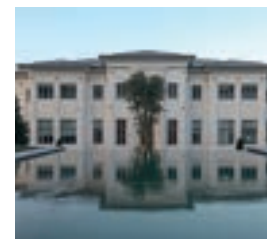
  
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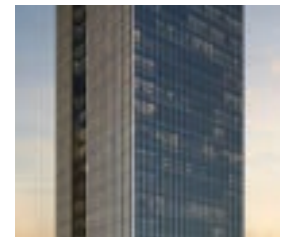
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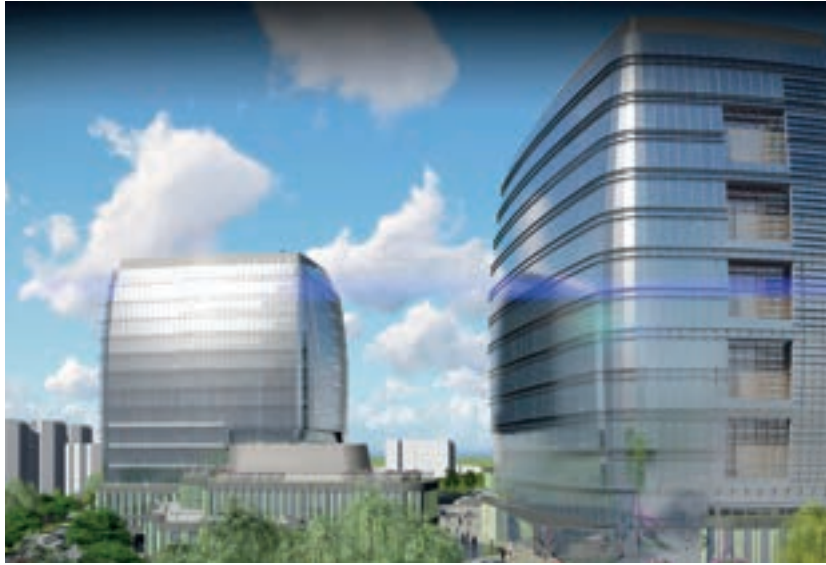
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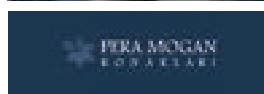
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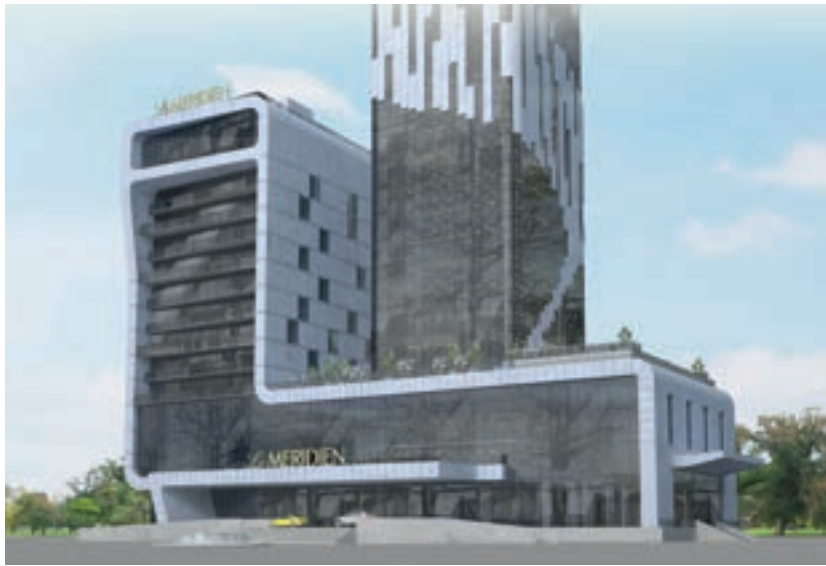


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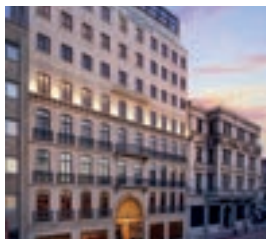


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Istanbul



**OBA**  
THE OBA HOTEL  
Bodrum



**Radisson**  
RADISSON HOTEL  
Izmir



**Radisson**  
RADISSON BLUE HOTEL  
India



**MABIN HURA MALDIVES**  
MABIN HURA MALDIVES  
Maldives



**GURDAL HOTEL**  
GURDAL HOTEL  
Istanbul



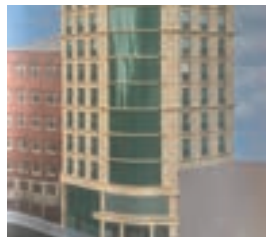
**Grand Hotel**  
GRAND HOTEL  
Niger



**TFF**  
Türkiye Futbol Federasyonu  
Turkish Football Federation  
TFF RIVA HOTEL  
Istanbul



**NAU**  
HOTELS & RESORTS  
NAU HOTEL  
Portugal



**GRAND GALATA HOTEL**  
GRAND GALATA HOTEL  
Istanbul



**KARAVANSARAY COMPLEX**  
KARAVANSARAY COMPLEX  
Kazakhstan



**Star City**  
STAR CITY HOTEL  
Greece



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Mauritania



CIELO HOTEL  
Qatar



BENIN SOFITEL HOTEL  
Benin



MÖVENPICK HOTEL  
UAE



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Oman



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Lviv



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