EAE
TECHNOLOGY

Industrial & Commercial Building Solutions

KNX | matter | DALI 2 | ISO 9001 | ISO 14001 | ISO 26001 | ISO 27001

eaetechnology.com


EAE
TECHNOLOGY

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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.

1973
Establishment date

260.000 m2
Production area

Products used in 100+ Countries

More than 2,500 Employees

6 Factory

EAE group of companies have over 2,500 employees worldwide and EAE products are used in more than 100 countries. EAE Group has over 50 patents, 300 brands and 150 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

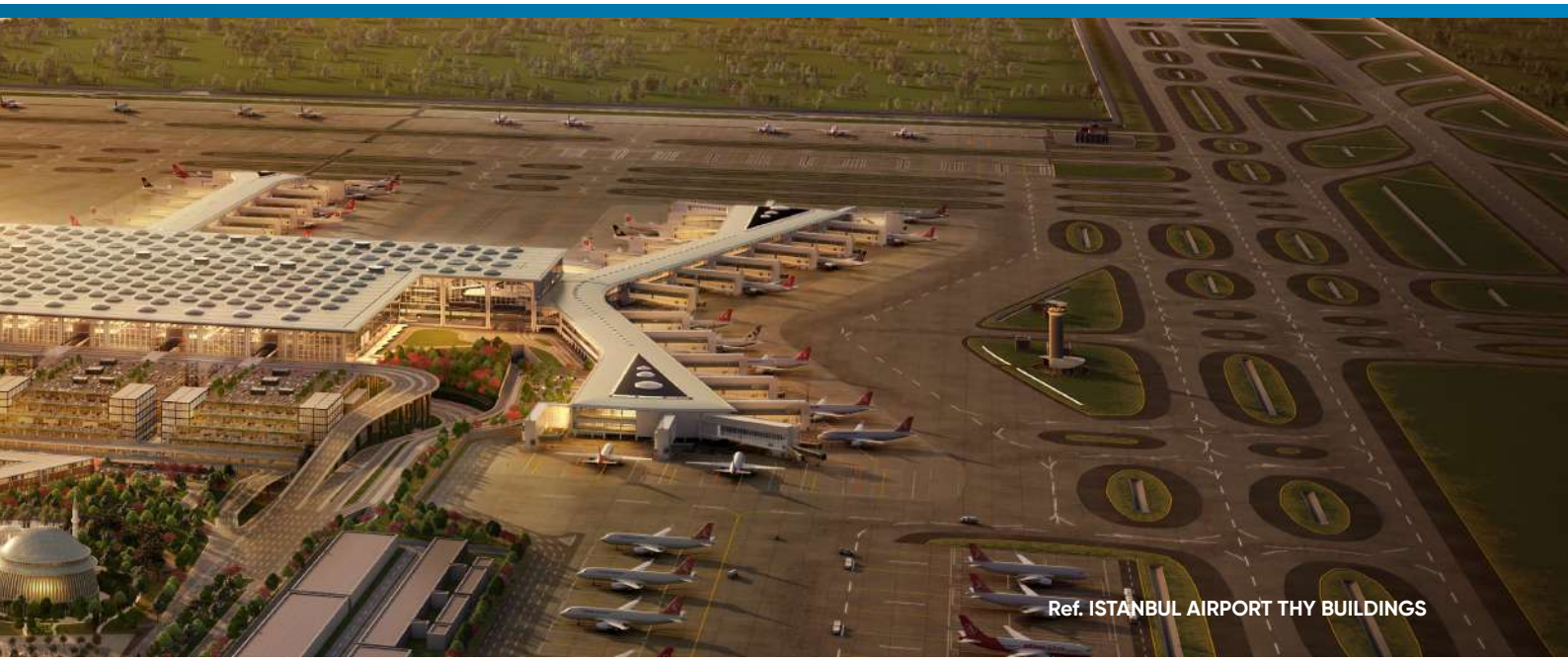
You can control your curtains/blinds and/or sunshades according to the daylight, time of the day over a central monitoring system.

Emergency Lighting Reporting

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

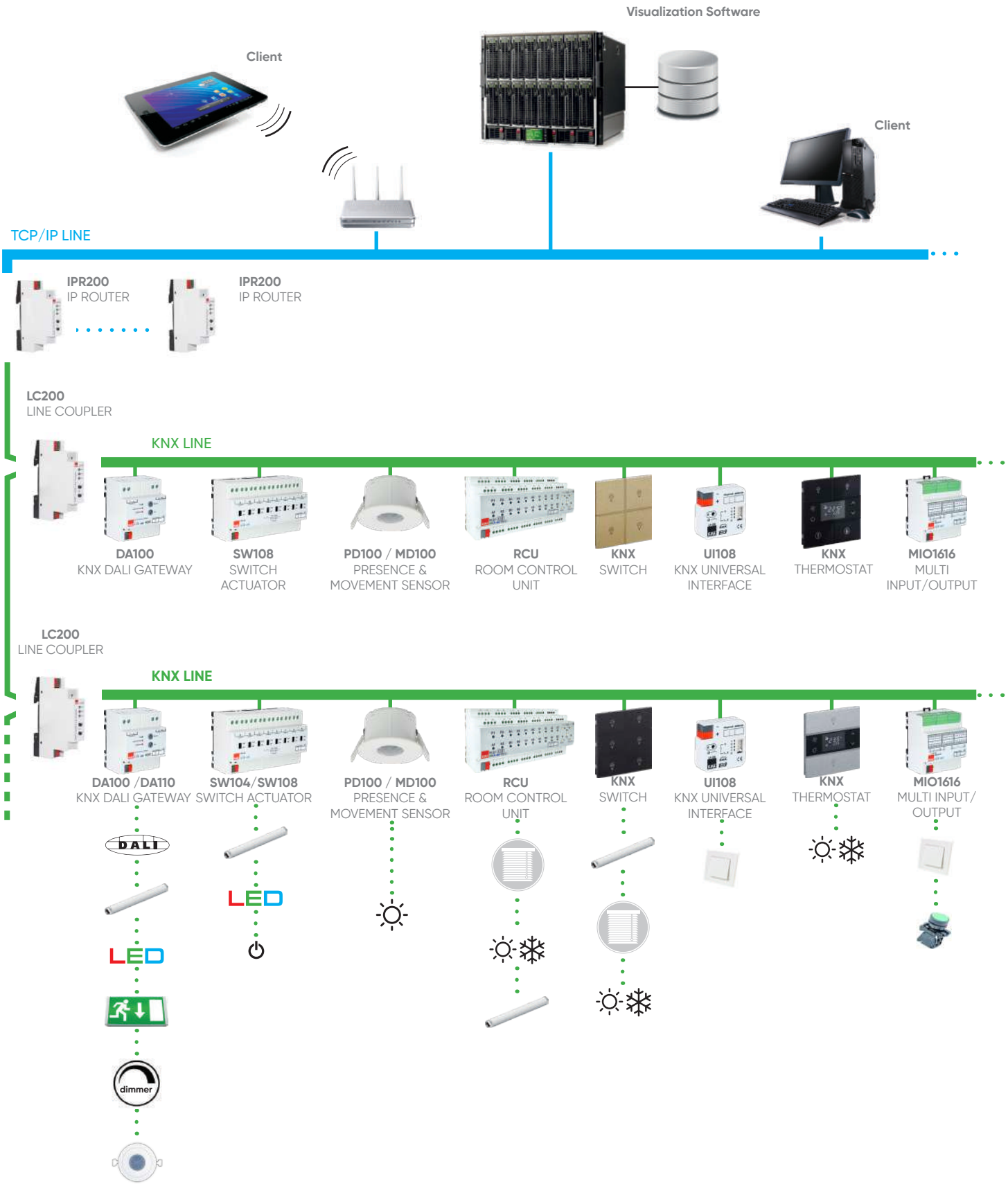
Alarm & Warning Reports

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


Visualization Software
Client
Client
TCP/IP LINE
IPR200
IP ROUTER
IPR200
IP ROUTER
LC200
LINE COUPLER
KNX LINE
DA100
KNX DALI GATEWAY
SW108
SWITCH ACTUATOR
PD100 / MD100
PRESENCE & MOVEMENT SENSOR
RCU
ROOM CONTROL UNIT
KNX
SWITCH
UI108
KNX UNIVERSAL INTERFACE
KNX
THERMOSTAT
MIO1616
MULTI INPUT/OUTPUT
LC200
LINE COUPLER
KNX LINE
DA100 /DA110
KNX DALI GATEWAY
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KNX UNIVERSAL INTERFACE
KNX
THERMOSTAT
MIO1616
MULTI INPUT/ OUTPUT
DALI
LED
LED
dimmer

TD4" Touch Panel

Miola Touch Panel 7.0"

Miola Touch Panel 10.1"

Thermostat & Switches

mona

rosa metal

rosa crystal

oria

Panel Devices

PRODUCTS

- **TOUCH PANELS** TD4, MIOLA
- **MATTER BRIDGE** KMB100
- **PRESENCE AND MOVEMENT SENSOR** PD100 / MD100
- **CORRIDOR DETECTOR** CD100
- **HIGHBAY MOTION DETECTOR** HD100
- **ROOM CONTROL UNIT** RCU2018 / RCU2000 / RCU1616 / RCU1600 / RCU1212 / RCU1200/ RCU0808 / RCU0800
- **SWITCH ACTUATOR** SW104 / SW108
- **KNX DALI GATEWAY** DA100 / DA110
- **UNIVERSAL DIMMER** UD106
- **0-10V / 1-10V DIM ACTUATOR** SD110
- **FANCOIL ACTUATOR** FCA100...FCA117
- **POWER SUPPLY** PSU320/640
- **KNX MODBUS GATEWAY** KMG103, KMG103-AAZZ, KMG103-DKON
- **KNX UNIVERSAL INTERFACE MODULE** UI108
- **MULTI INPUT/OUTPUT** MIO1616
- **KNX IP ROUTER** IPR200/IPI200/IPR200S/IPI200S
- **LINE COUPLER** LC200/ LC200S
- **KNX SWITCHES, THERMOSTATS and FRAMES**
- **AC GATEWAYS** ACGME100, ACGDAI100

TD4 4 Inch Touch Panel Technical Data

Bus supply	Bus voltage	21V-30V DC, via the KNX bus
	Bus current	<4.5mA/24V DC, <4mA/30V DC
	Bus consumption	<120mW
Auxiliary supply	Voltage	24-30V DC
	Current	<86mA/24V DC, <71mA/30V DC
	Consumption	<2.2W
Connections	KNX	Bus connection terminal
	Auxiliary supply	KNX auxiliary connection terminal
Installation	80mm or 86mm wiring box	
Temperation	Operation	-5 ^{0}C... + 45 ^{0}C
	Storage	-25 ^{0}C... + 55 ^{0}C
Proximity Sensor	Standard 15cm, Enhance 30cm	
Dimension	86x101.3x10.5mm (32.2mm)	
Weight	0.2kg	

Lath Color Options

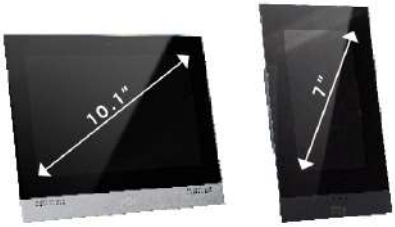
Black White

- Capacitive Touch Screen
- All In One Control
- 4 Zone Thermostat Control
- Tunable White
- Built-in Temperature Sensor
- Proximity Sensor
- RGB Control
- Audio Control
- Touch Vibration Feedback
- Humidity and CO_2 Display
- Air Quality Display
- Energy Metering Display
- RGB Navigation LED Bar
- Configuration by ETS

Miola Touch Panel 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 Connection	Yes	Yes
Drives	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	140 x 235 x 4 mm

* High voltage and overcurrent protection, insulated



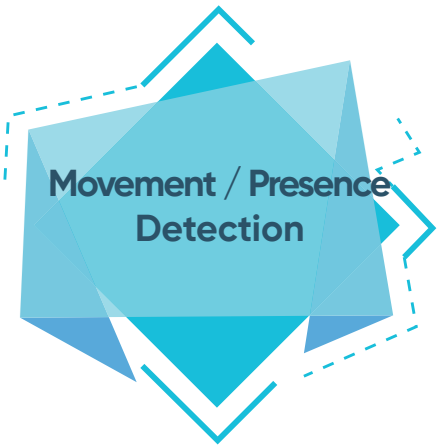
Lath Color Options

Natural Anthracite

- Cloud Server
- Intercom
- Mobile Integration (iOS, Android)
- Heating-Cooling
- Lighting-Shutter/Blind
- Scenarios, Schedules

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.

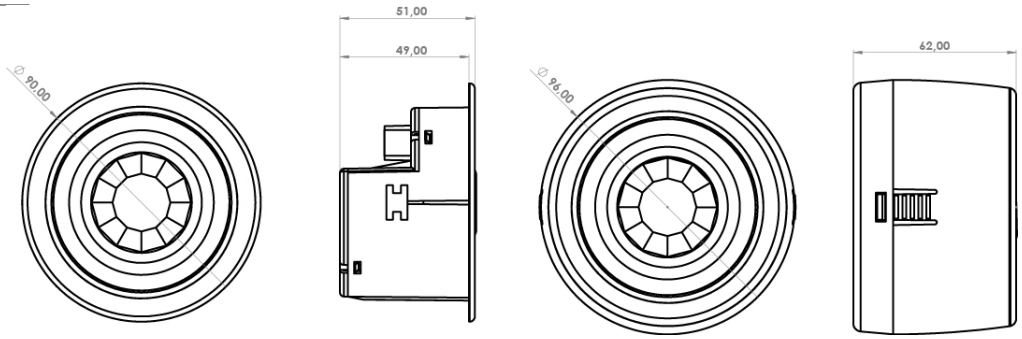
• It can operate in parallel connection with other sensors either on standalone or master-slave basis depending on application requirements.

• 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.

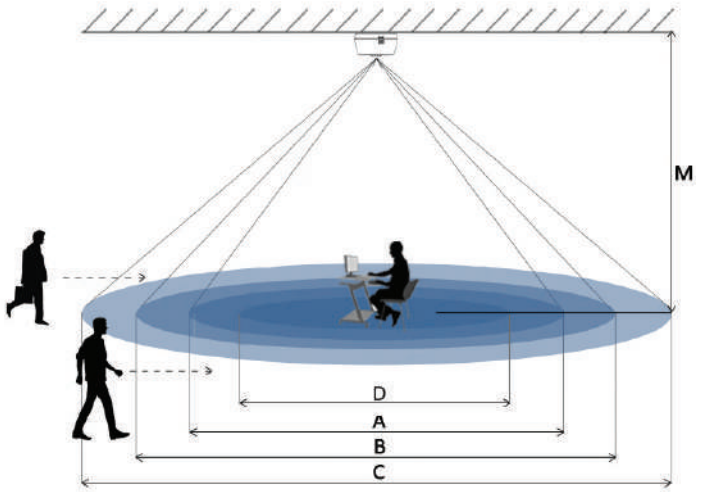
• Does not need external power supply as it receives its power supply over KNX line

Dimensions (mm)



Technical Information

Protection Type	IP 20 / IP 44 (Surface Mounted)	EN 60529
Safety Class	II	EN 61140
Power Supply	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 1 – 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
Temperature Range	Operation Storage	- 5°C +45°C -25°C +55°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	B	C	D
5,5 m	12 m	18 m	Ø3.3
5,0 m	9 m	15 m	Ø3.0
4,0 m	8 m	13 m	Ø2.3
3,5 m	7,5 m	12 m	Ø2.0
3,0 m	7 m	10,5 m	Ø1.6
2,5 m	6,5 m	9 m	Ø1.2

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

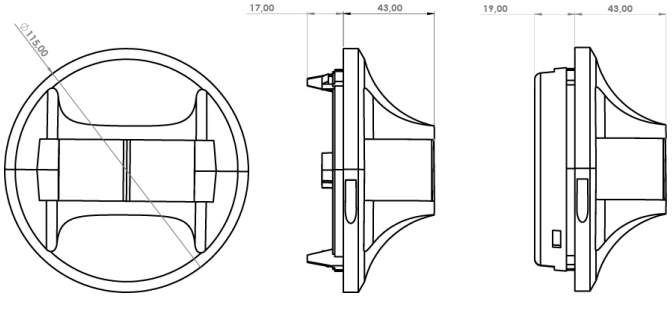
EAE KNX CORRIDOR SENSOR

At 4.5m mounting height;
12x4m (radial walk)
20x6m (tangent walk)
motion detection

General Specifications

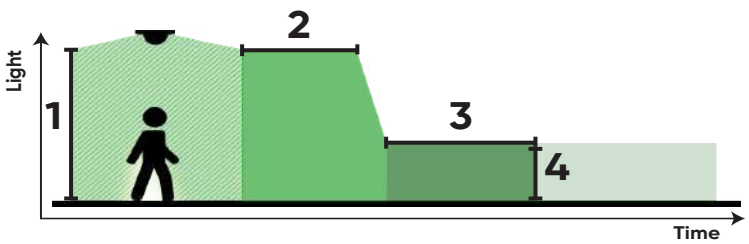
- The CD100 KNX Corridor Sensor is developed for corridors, warehouses and car parking spaces. It has two mounting options which are flush mounted and surface mounted (recommended max. height 4.5m).
- Depending on the entity, a constant light function can be applied with the integrated brightness and 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, absance, 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)



Flush Mounted Surface Mounted

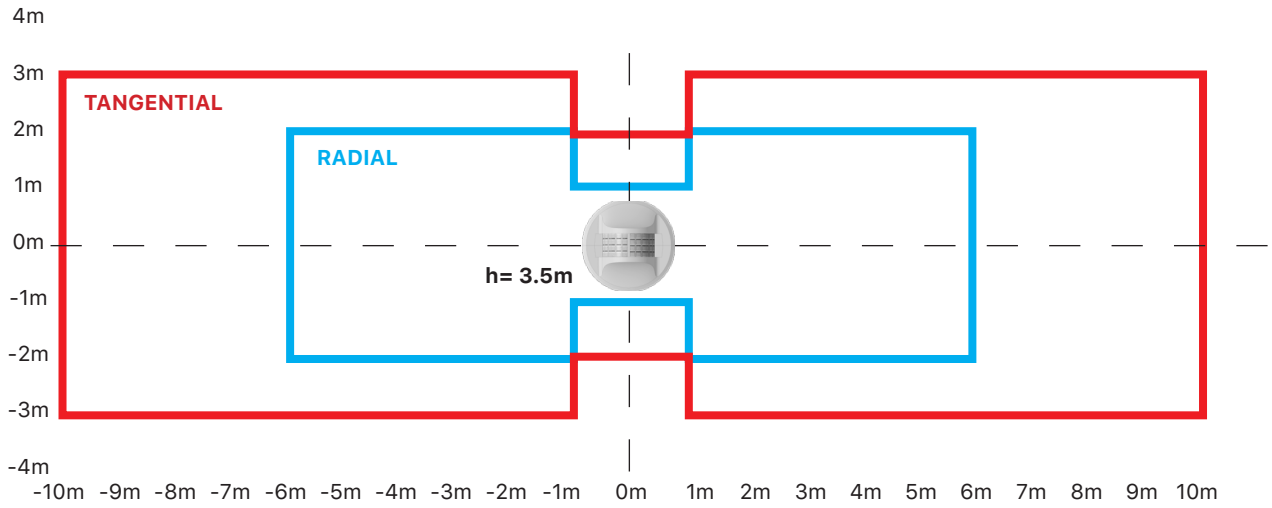
Corridor function graph

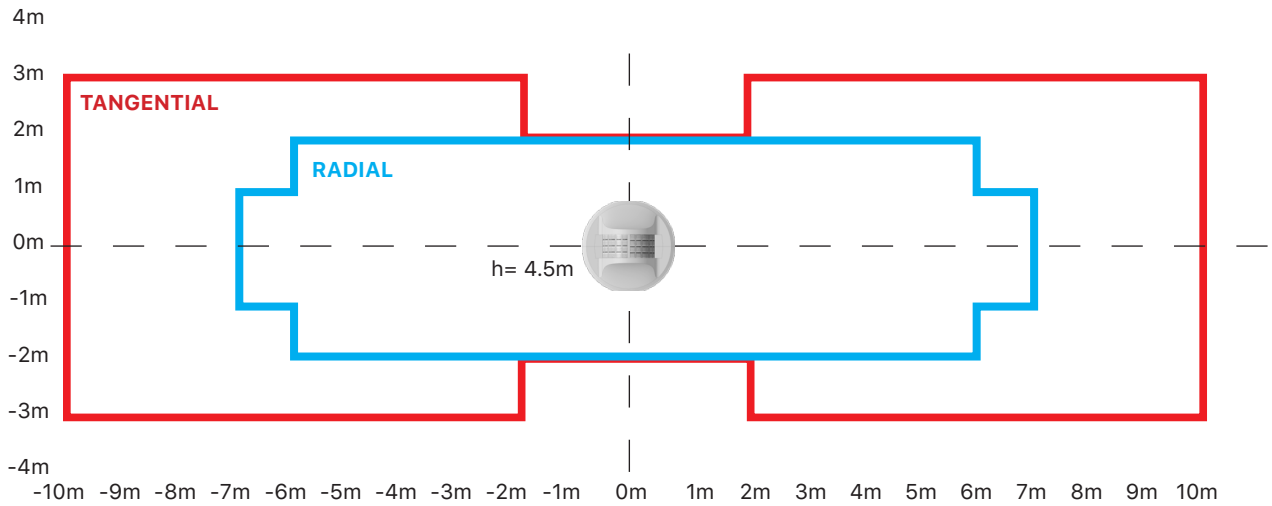


1	**Presence value**	: Luminous intensity set for the presence of persons
2	**Stay on time**	: Delay time
3	**Switch off delay**	: Period of time during which the absence value is maintained before the lighting is switched off.
4	**Absance value**	: Luminous intensity set for the absence of persons

Technical Information

Protection Type	IP 20 / IP 44 (Surface Mounted) IP 20 (Recessed)	EN 60529
Safety Class	II	EN 61140
Power 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 1 – 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
Temperature Range	Operation Storage	- 5°C +45°C -25°C +55°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)





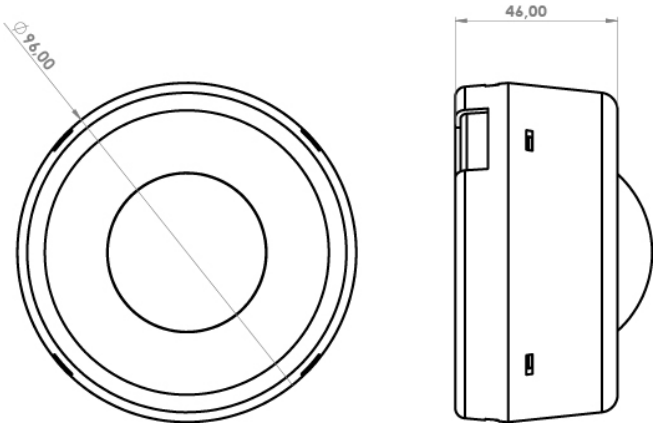
HB360

EAE KNX HIGHBAY MOTION SENSOR

General Specifications

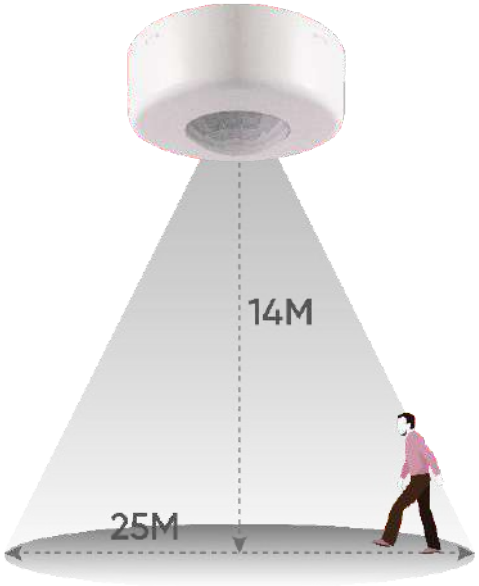
- HB360 KNX Highbay Motion Detector is ideal for warehouses, industrial areas, conference rooms and sport halls.
- Constant light function can be applied in dependence of presence information thanks to integrated brightness sensor and movement sensor. HB360 regulates the ambient brightness to a defined 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 HB360 can be used as a standalone device or master-slave device (parallel operation with other sensors) according to necessity of project.
- HB360 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 / IP 44	EN 60529
Safety Class	II	EN 61140
Power Supply	Voltage Current consumption	21 - 30V DC, KNX Line < 10mA
Application areas		Warehouses, Car Parks etc.
Sensor Type		Passive infrared
Installation	Location	Ceiling
Detection	Diameter (at height of 12m) Area Angle Light Level	14m movement detection Ø 25 m 360° 1 -1000 lux
Additional Channels		Brightness, presence channel, HVAC channel
Parallel Operation		Master/Master, Slave/Master
Operating Elements	LED (red) and button	For physical adress
Temperature Range	Operation Storage	- 5°C +45°C -25°C +55°C
Dimensions		See Scale Drawings
Weight	0.065 kg	
Box	Plastic, polycarbonate, white	
CE	In accordance with the EMC guideline and low voltage	

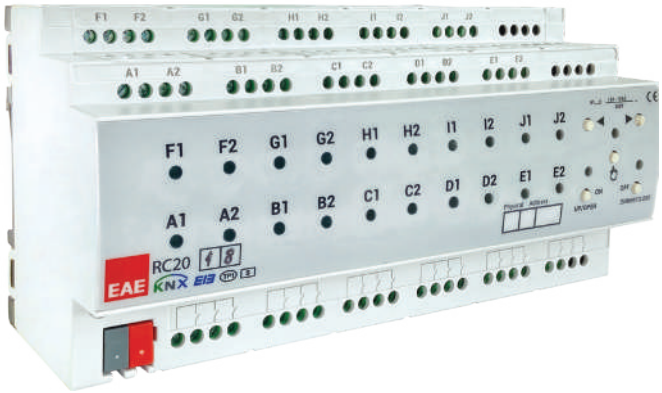


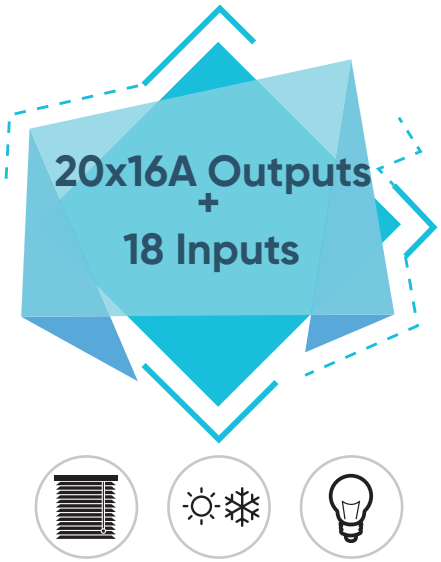
Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE KNX Highbay Motion Detector (Surface mounted)	SMP HB360 EAE F-KNX	48108	1 pcs.

RCU2018 / RCU2018 / RCU2000 / RCU1616 / RCU1600 RCU1212 / RCU1200 / RCU0808 / RCU 0800

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 AC/DC blinds
- Controlling fan coils (2 & 3 point valve)
- 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 60669. As a switch output device provides following function list,

- Staircase
- External logic
- Internal logic
- Priority
- Threshold
- Operating hour
- Sweep

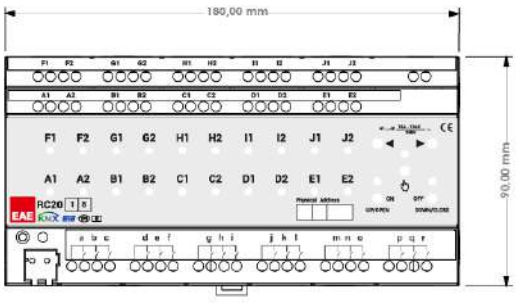
• Device has 18 independent input channels. Input channel operates as universal interface with following functions,

- Switch / push button input
- Dimmer control
- Control of shutter/blinds
- Value sending
- Scene control
- Counter for count pulse

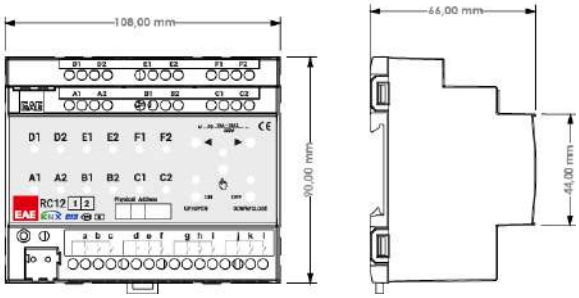
• Manual control is possible for each channel through the built-in button panel.

• 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 Current consumption	21V... 30V DC, SELV < 15 mA	
External supply	-	-	
Connections	Screw terminals Max tightening torque KNX	0,05...4 mm solid and stranded wire 0,05...2,5 mm stranded wire with ferrule 0.8 Nm Bus connect terminal	
Output	Quantity Switching ratings Max. Inrush current Maximum switching power Mechanical life	20 output (RCU2012, RCU2000) 16A 250VAC / $6x10^3$ OPS (Resistive) 3500W 277VAC / $1.2x10^4$ OPS (Incandescent lamp) 492A/1.5ms - 165A/20ms 4000VA 2×10^6	
Type of contact	potential-free, bistable		
Input	Quantity Scanning voltage Current Cable length	18 binary inputs 32V pulsed 0.1 mA <300 m	
Installation	35 mm mounting rail	EN 60715	
Operating elements	LED (red) and button	For physical address	
Temperature range	Operation Storage	-5° C + 45° C -25° C + 55° C	
Dimensions	H x W x D Width W (mm) Width W (unit)	90 mm x W x 66 mm 180 mm 10x18 mm modules	90 mm x W x 66 mm 108 mm 6x18 mm modules
Weight	0.65 kg		
Box	Plastic, polycarbonate, grey		
CE	In accordance with the EMC guideline and low voltage		

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, Fan-coil, Switch, Blind actuator	SMP RCU0800 EAE S-KNX	48127	1 unit

SW104/SW108

EAE KNX SWITCH ACTUATOR

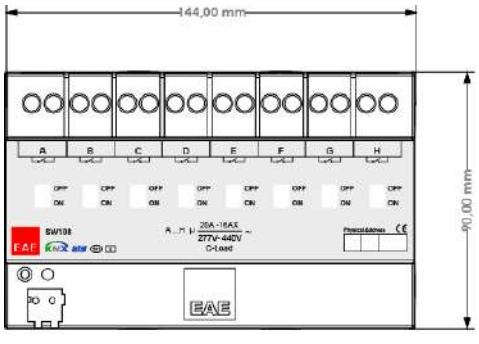
500A/2ms Inrush Current Switching

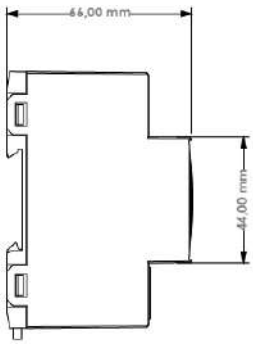
General Specifications

- Possesses 4 and 8 independent channels that could be configured by means of ETS5 or higher.
- In addition to switching fluorescent lamps according to EN 60669 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.

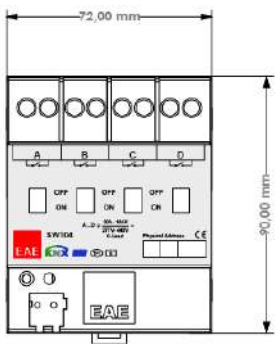
Dimensions (mm):

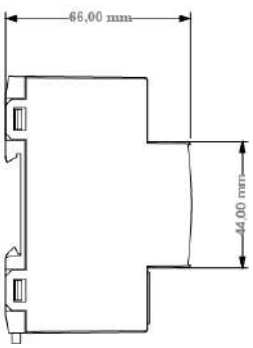
SW108 Dimensios





SW104 Dimensios





Technical Information

Protection Type	IP 20		EN 60529
Safety Class	II		EN 61140
Power Supply	Voltage Current consumption		21 - 30V DC, SELV < 10mA
Connections	Screw Maximum Torque KNX		0,05 - 2,5 mm^2 0,03 - 1,5 mm^2 high 0.8 Nm Bus connect terminal
Output	Quantity of output units Switching Ratings Max. Inrush Current Max. Switching power		SW104 (4 channels) ; SW108 (8 channels) 50A 277VAC / $1x10^6$ OPS (Resistive) 5000W 240VAC / $3x10^4$ OPS (Incandescent lamp) 16A 277VAC / $6x10^3$ OPS (Electronic ballast) 5HP 277VAC / $3x10^4$ OPS (Motor) 500A/2ms 12500VA
Relay	Mechanic Life		1 x 10^6
Contact type	Bistable, dry contact		
Configuration	35 mm mounting rail		EN 60715
Operating Elements	LED (Red) and button		Used for physical address
Temperature Range	Operation Storage		- 5°C +45°C -25°C +55°C
Dimensions	H x W x D Width W (mm) Width W (unit)	90 mm x W x 66 mm 144 mm 8x18 mm modules	90 mm x W x 66 mm 72 mm 4x18 mm modules
Weight	0,45 kg / 0,24 kg		
Box	Plastic, polycarbonate, grey		
CE	Pursuant to EMC Guide and Low Current Regulation		

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

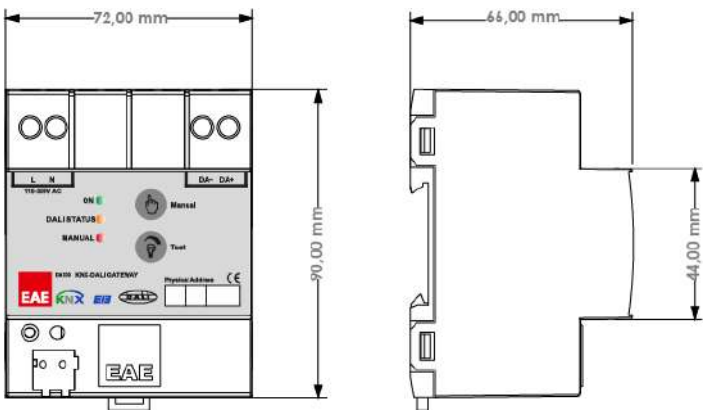
DA100

EAE KNX-DALI GATEWAY (16 Group Control)

General Specifications

- Device parameters can be configured via ETS5 or higher.
- 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 output(electronic ballast, LED drive).
- 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.
- 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

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
KNX Power Supply	Voltage range Current consumption	21 - 30V DC, SELV < 10mA
External Power Supply	Voltage range Power Consumption Current consumption	85 - 300V AC @ 50-60Hz ≤ 8W 100mA @ 85V AC
DALI Power Supply	Voltage range Current consumption	16V DC ~ ≤ 200mA
Connections	Screw terminal Maximum Torque KNX Terminal	0,05 - 2,5mm2 single core cable 0,03 - 1,5mm2 multi core cable 0.5Nm Red-Black KNX Line Connection
Output	Quantity of DALI devices Cable lengths	Maximum 64 (max. 8 sensors) 1.5 mm2 ≤ 300 m 0.75 mm2 ≤ 150 m 0.5 mm2 ≤ 100 m
Configuration	35 mm mounting rail	EN 60715
Operating Elements	Programming LED and button Green LED (7) Yellow LED (8) Red LED (9) Manual Button (10) Test Button (11)	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)
Temperature Range	Operation Storage	-5°C +45°C -25°C +55°C
Dimensions	H x W x D Width W (mm) Width W (unit)	90 mm x W x 66 mm 72 mm 4x18 mm modules
Weight		0.15 kg
Box	Plastic, polycarbonate, grey	
CE	Pursuant to EMC Guide and Low Current Regulation	

Ordering Information

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

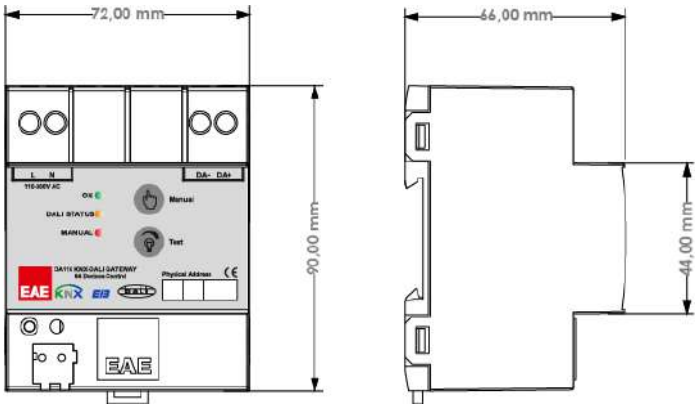
DA110

EAE KNX-DALI GATEWAY (Individual DALI Ballast 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 output (electronic ballast, LED drive, etc).
- 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 64 individual ballast control.
- 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

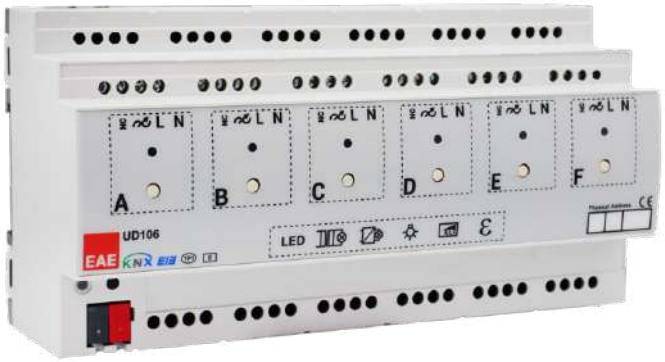
Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
KNX Power Supply	Voltage range Current consumption	21 - 30V DC, SELV < 10mA
External Power Supply	Voltage range Power Consumption Current consumption	85 - 300V AC @ 50-60Hz ≤ 8W 100mA @ 85V AC
DALI Power Supply	Voltage range Current consumption	16V DC ~ ≤ 200mA
Connections	Screw terminal Maximum Torque KNX Terminal	0,05 - 2,5mm2 single core cable 0,03 - 1,5mm2 multi core cable 0.5Nm Red-Black KNX Line Connection
Output	Quantity of DALI devices Cable lengths	Maximum 64 1.5 mm2 ≤ 300 m 0.75 mm2 ≤ 150 m 0.5 mm2 ≤ 100 m
Configuration	35 mm mounting rail	EN 60715
Operating Elements	Programming LED and button Green LED [7] Yellow LED [8] Red LED [9] Manual Button [10] Test Button [11]	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)
Temperature Range	Operation Storage	-5°C +45°C -25°C +55°C
Dimensions	H x W x D Width W (mm) Width W (unit)	90 mm x W x 66 mm 72 mm 4x18 mm modules
Weight		0.15 kg
Box	Plastic, polycarbonate, grey	
CE	Pursuant to EMC Guide and Low Current Regulation	

Ordering Information

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

UD106

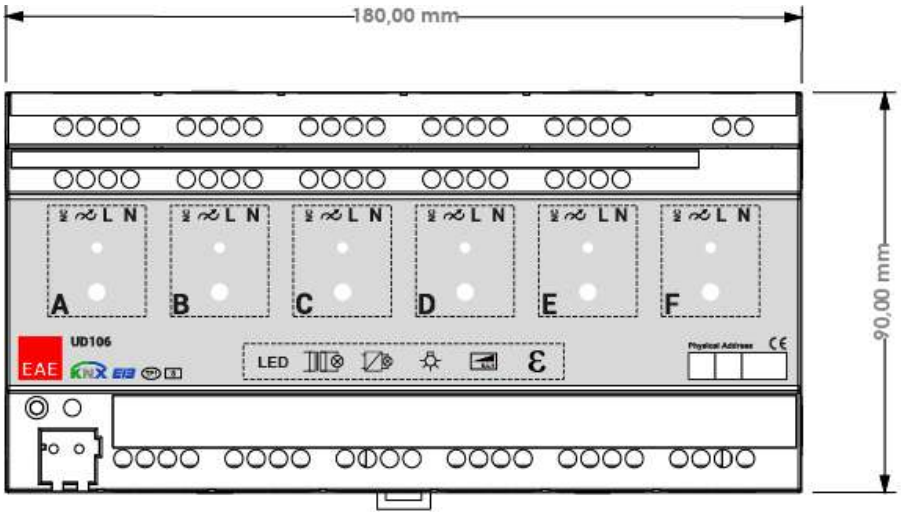
EAE KNX UNIVERSAL DIM MODULE

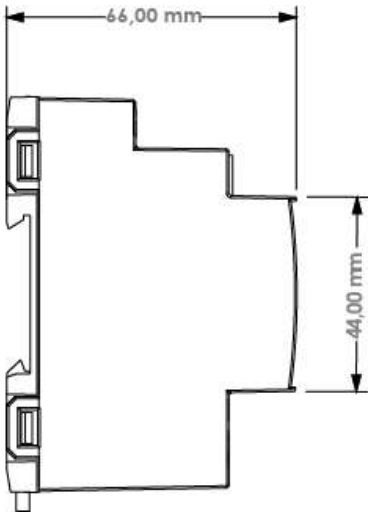


General Specifications

- Incandescent lamp, halogen lamp, dimmable LED and fluorescent lamps can be dimmed up to 1800/VA in 6 parallel channels.
- Flexibility to connect loads even below 9W (LED bulbs) without any lower limit
- 6 independent channels that can be parameterized via ETS5 or higher.
- 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

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Power Supply	Voltage range	21 - 30V DC, SELV
	Current consumption	< 10mA
Connections	Screw terminals	0,05 - 3,31 mm^2 solid and stranded wire
		0,05 - 3,31 mm^2 stranded wire with ferrule
	Max tightening torque	0.78 Nm
	KNX Terminal	Bus connect terminal
Dim Output	Quantity	6 Outputs (can be used in parallel)
	Voltage Range	0...300VAC; 50/60Hz
	Switching Power	6x320VA (1x1920VA)
Type of Load	Incandescent lamps	320 W/VA
	Halogen lamps	320 W/VA
	Inductive transformers	320 W/VA
	Phase dimmable electronic drivers	250 W/VA
	Dimmable LED lamps	250 W/VA
Installation	35mm mounting rail	EN 60715
Operating Elements	LED (red) and button	For physical address
Temperature range	Operation	-5°C +45°C
	Storage	-25°C +55°C
Dimensions	H x W x D	90 mm x W x 66 mm
	Width W (mm)	180 mm
	Width W (unit)	10x18 mm modules
Weight	0,3 kg	
Box	Plastic, polycarbonate, grey	
CE	In accordance with the EMC, LVD and RoHS directives	

SD110

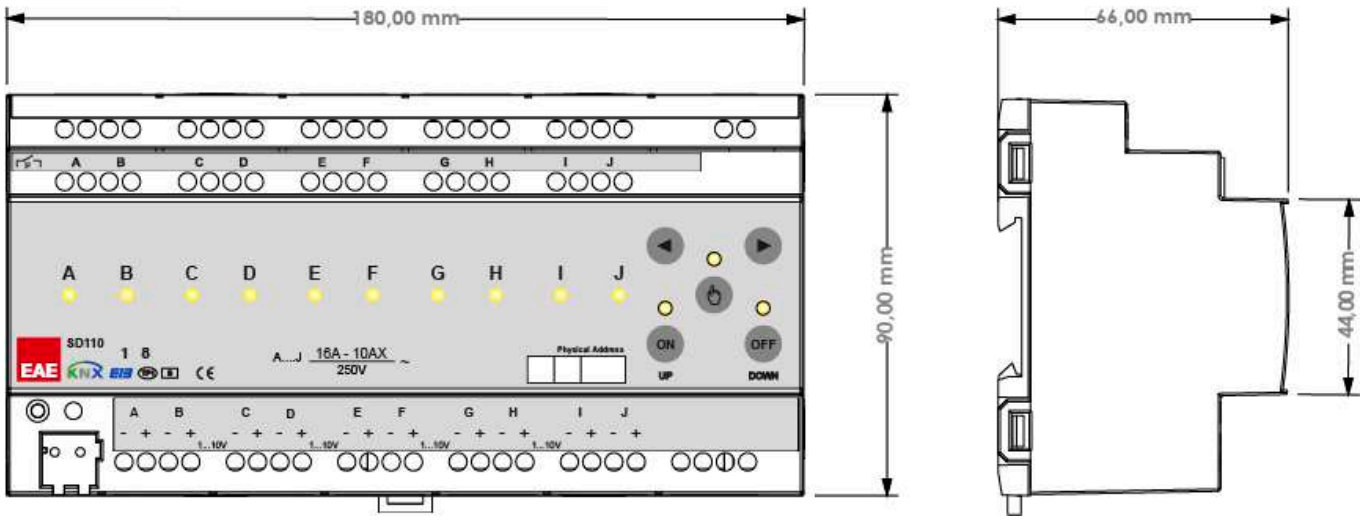
EAE KNX 1-10V DIM ACTUATOR

10 x 16A
1-10V
Dim Actuator

General Specifications

- 10 independent channels that can be parameterized via ETS5 or higher.
- 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

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Power Supply	Voltage range Current consumption	21 - 30V DC, SELV < 10mA
Connections	Screw terminals Max tightening torque KNX Terminal	0,05 - 3,31 mm^2 solid and stranded wire 0,05 - 3,31 mm^2 stranded wire with ferrule 0.5 Nm Bus connect terminal
Dim Output	Quantity Signal Current Limit	Max 10 Outputs 1-10V DC for dimming control 30 mA per channel
Relay Output	Quantity Switching ratings Max. Inrush current Maximum switching power Mechanical life	Max 10 Outputs 16A 250VAC / $6x10^3$ OPS (Resistive) 3500W 277VAC / $1.2x10^4$ OPS (Incandescent lamp) 492A/1.5ms - 165A/20ms 4000VA 2×10^6
Type of contact	Potential-free, bistable	
Installation	35mm mounting rail	EN 60715
Operating Elements	LED (red) and button	For physical address
Temperature range	Operation Storage	-5°C +45°C -25°C +55°C
Dimensions	H x W x D Width W (mm) Width W (unit)	90 mm x W x 66 mm 180 mm 10x18 mm modules
Weight	0,5 kg	
Box	Plastic, polycarbonate, grey	
CE	In accordance with the EMC, LVD and RoHS directives	

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)
  - NTC Sensor Input x2
  - Fan Speed Output x3 (Relay 16A)
  - Valve Control Output x4 (Triac 0.5A)
  - Dry Contact Input x4

- Suitable for switching resistive, capacitive and inductive loads as well as fluorescent lamp loads according to EN 60669.
  - Any kind of load (up to 16A per channel)

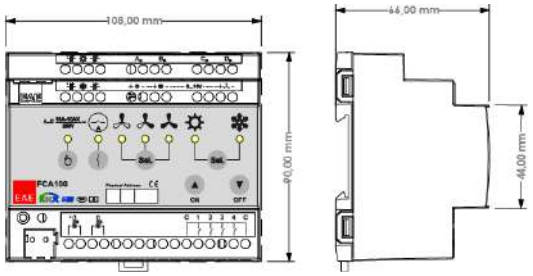
- Device has 4 independent input channels. Input channel operates as well as universal interface with following functions,
  - Switch / push button sensor
  - Dew-point sensor
  - Window sensor

- 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 Current consumption	21V... 30V DC, SELV < 10 mA
External supply	-	-
Connections	Screw terminals Max tightening torque KNX	0,5...3,31 mm solid and stranded wire 0,5...3,31 mm stranded wire with ferrule 0.5 Nm Bus connect terminal
Output	Quantity	11 output
Triac	Non-floating Rated Voltage Rated Current Short-Circuit Protection	Yes, 4 for Heating/Cooling Valve 250 V AC; 50/60 Hz 0.5 A Yes
Relay	Switching voltage Switching capacity 250V AC Switching current 250 V AC, capacitive loads Maximum switching power Mechanical life	250V AC; 50/60 Hz (1 Aux + 3 Fan Speed) 16A / AC 1 16A (200µF) 4000 VA > 1 x 10^6
0-10V	Current Limit Signal Source/Sink	1.40mA (1 Fan Speed + 2 Valve) 0...10V DC Source
Input	Quantity	6 Inputs
Generic Input	Scanning Voltage (for binary input) Current (for binary input) Cable length	5 V pulsed (4 Input) 1 mA <300 m
Temp. Input	Sensor Type	NTC (2 Input)
Installation	35 mm mounting rail	EN 60715
Operating elements	LED (red) and prg. button Manual Button Sel. Buttons ON / OFF Buttons Switch Button	For physical address Switching to manual mode Fan speed and HVAC mode change Switching Valve ON / OFF Auxiliary Output Control
Temperature range	Operation Storage	-5° C + 45° C -25° C + 55° C
Dimensions	H x W x D Width W (mm) Width W (unit)	90 mm x W x 66 mm 108 mm 6x18 mm modules
Weight	0.395 kg	
Box	Plastic, polycarbonate, grey	
CE	In accordance with the EMC guideline and low voltage	

Ordering Information

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

PS320 / PS640

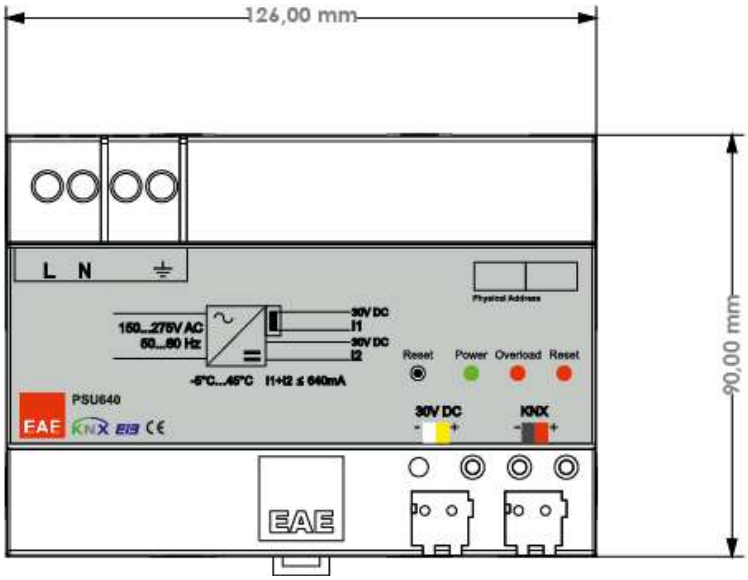
EAE KNX - POWER SUPPLY

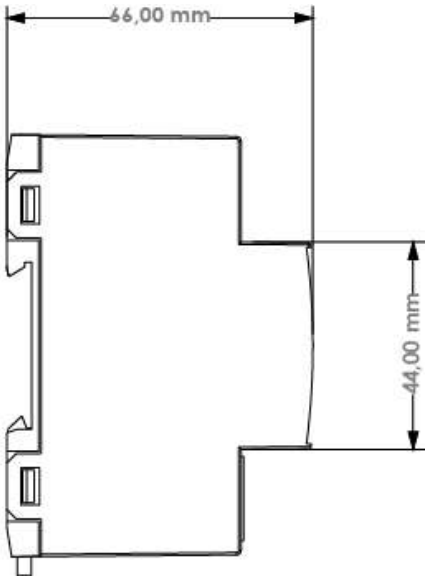
Additional 30V DC Output

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

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Insulation category	Over voltage category Pollution degree	III EN 60664-1 2 EN 60664-1
Power Supply	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
Output	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
Connections	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
Installation	35mm mounting rail	EN 60715
Operational elements	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.
Temperature	Operation Storage	-5° C + 45° C -25° C + 55° C
Dimensions	H x W x D Width W (mm) Width W (unit)	90 mm x W x 66 mm 126 mm 7 x18 mm modules
Weight	PS320 PS640	0.28 kg 0,29 kg
Box	Plastic, polycarbonate, grey	
CE	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

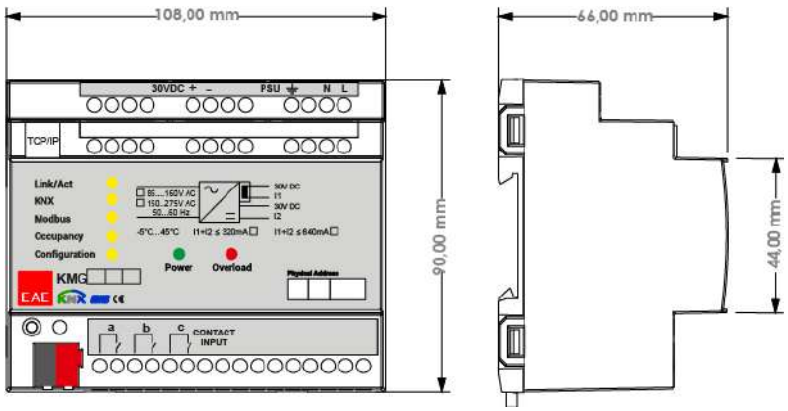
EAE KNX MODBUS GATEWAY

Power Supply
Modbus TCP Router
Logic Functions
are Included

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)

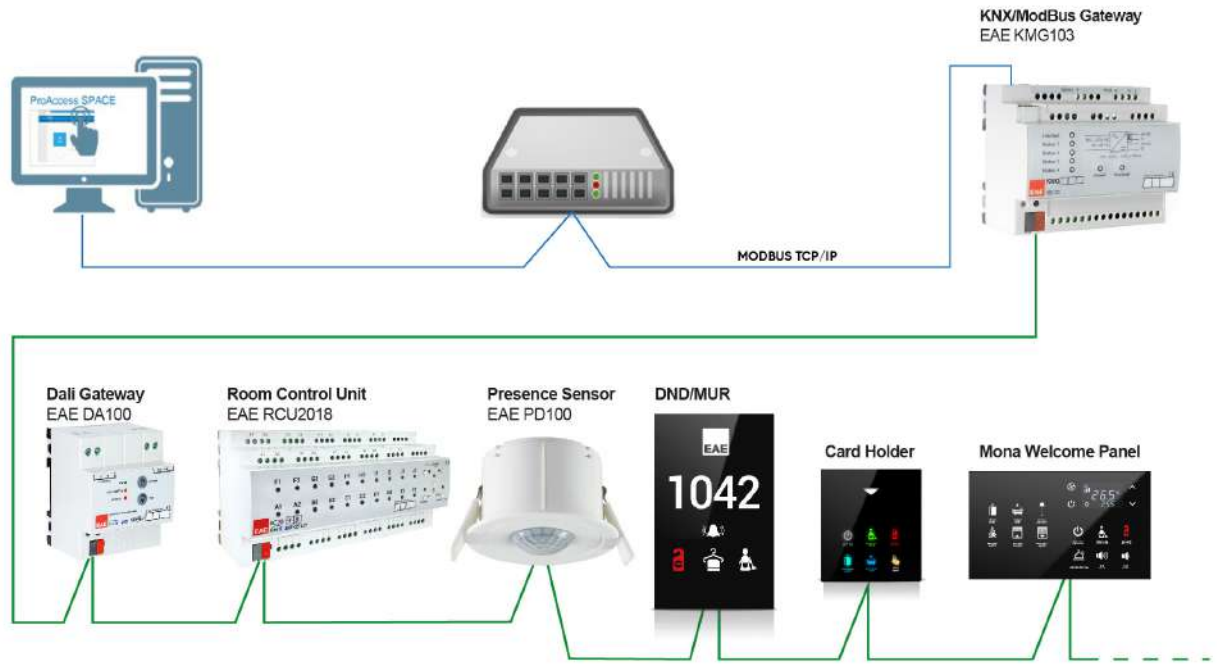


Technical Information

Type of Protection	IP 20	EN 60529
Safety Class	II	EN 61140
Insulation Category	Over voltage category Pollution Degree	III EN 60664 - 1 2 EN 60664 - 1
Power Supply	Input Voltage Power consumption	150-275V AC, 50-60Hz 7W
Output	KNX Bus	30 VDC +1 / -2V, SELV (Integrated choke) 320mA - 640mA
Connection	IP Line KNX Line	RJ45 socket for 10/100BaseT, IEEE 802.3 networks Bus Connection Terminal
Display Elements	ETH Link ETH Act	Status Fault
Operating Elements	Function button	
Installation	35mm DIN rail mount	EN 60715 TH 35-75
Temperature Range	Operation Storage	- 5°C +45°C non-condensing -20°C + 60°C
Dimensions	H x W x D Width W (mm) Width W (units)	90 mm x W x 66 mm 108 mm 6x18 mm modules
Weight	66g	
Box	Poliycarbonate	
CE	In accordance with EMC and low voltage guidelines Device complies with, EN 50090-2-2, IEC 60664-1	

Ordering Information

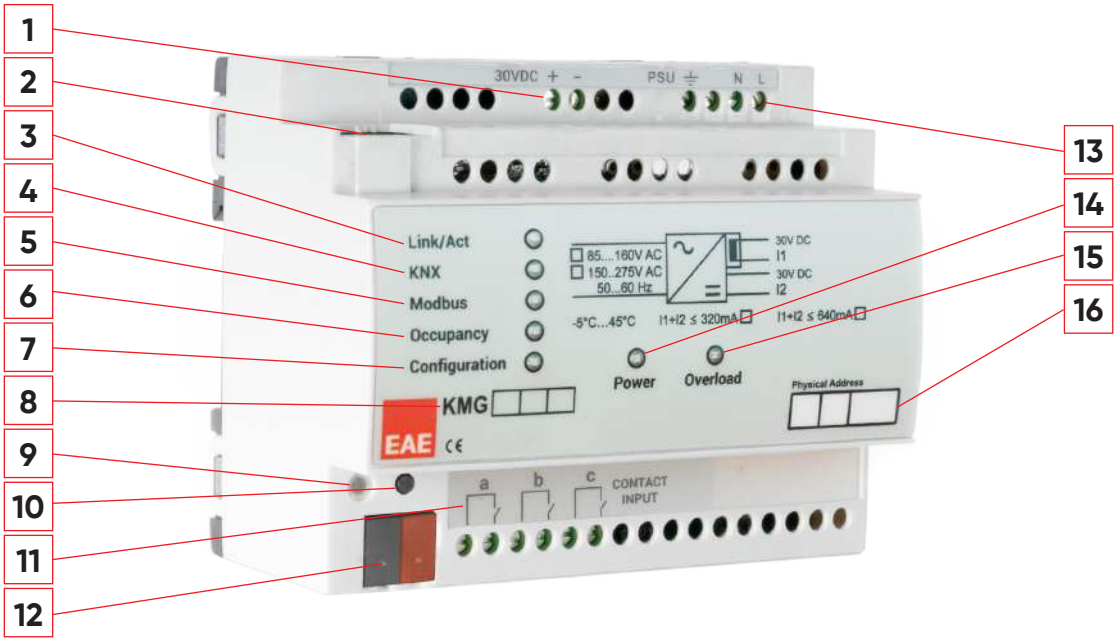
Product Name	Product Code	Ordering Code	Package Information
EAE KNX Modbus Gateway	SMP KMG103 EAE S-KNX (320mA)	48198	1 unit



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	Pyhsical 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.
8 different scenarios can be defined for KMG.

1- Pre-Welcome Scene

Room must be unoccupied. Then the door should be opened and closed. Later then, detector will be activated to check any movement in a certain time.If any movement detected in Presence Wait Time, this scene will be executed.

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 Primary Scene

The room should be occupied and the door should be opened and closed. Then, detector will be activated to check any movement for a certain time. If no movement is detected at the end of the Presence Wait Time,then additional Leave Scene Primary Delay Time willbe set after.When this time is ended, this scene will be executed.

4. Leave Secondary Scene

When the Leave Scene Primary scene isexecuted, then Leave Scene Secondary Delay time willbe set. Afterendof the delay time thisscene will be executed.

5. Window Open Scene

This scene will be executed If Window dry contact input or assigned KNX Input(for Window) is triggered. This function can beselected at KMG Input/IP Config section of the configurator.

6. Check-in Scene

This scene will be executed if CHECK IN/OUT OBJECT Active value is received from KNX. This function should be selected at KMG Input/IP Config section of the configurator.

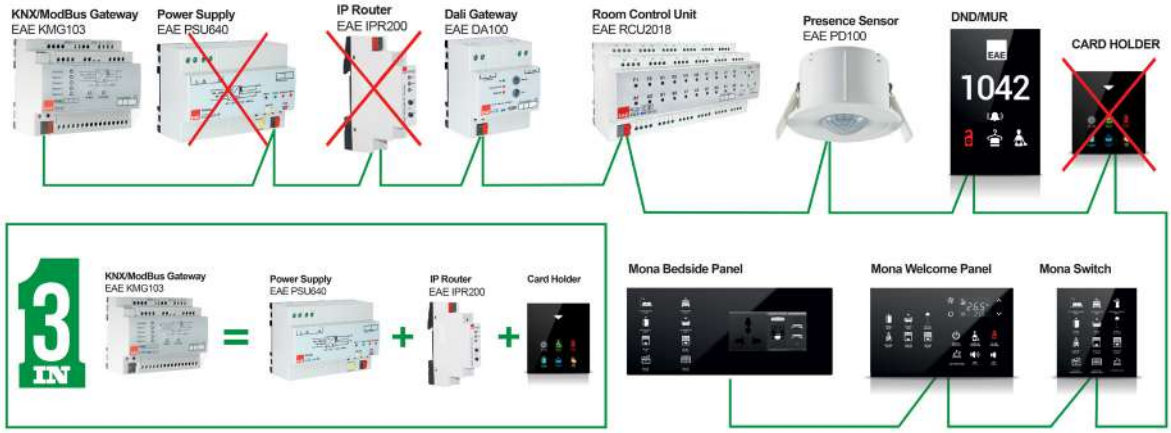
7. Checkout Scene

This scene will be executed if CHECK IN/OUT OBJECT De-active value is received from KNX. This function should be selected at KMG Input/IP Config section of the configurator.

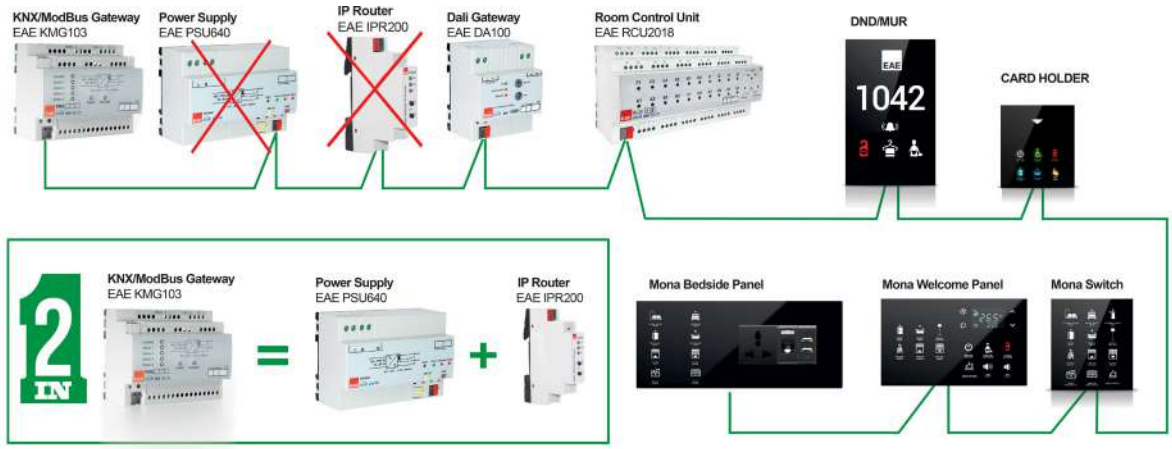
8. Service(Staff) Entry scene

If the room state is set to the CHECK-OUT via Check-in/outKNX object and opened the door, this scene will be executed.

GRMS Solution without using Card Holder

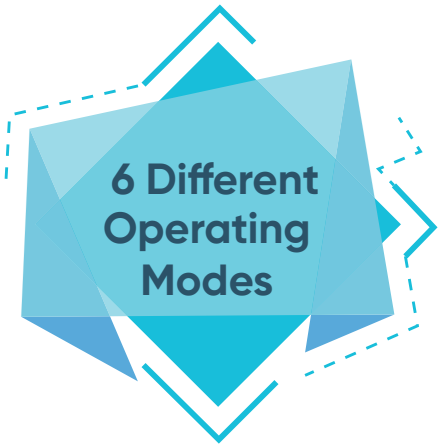


GRMS Solution with using Card Holder



UI108

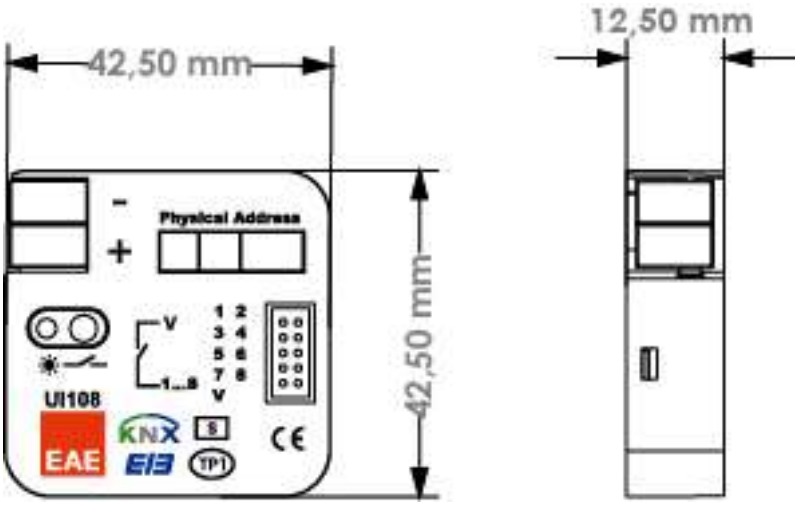
EAE KNX-UNIVERSAL INTERFACE



General Specifications

- 8 functional input channels that could be adjusted by means of ETS5 or higher.
- 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

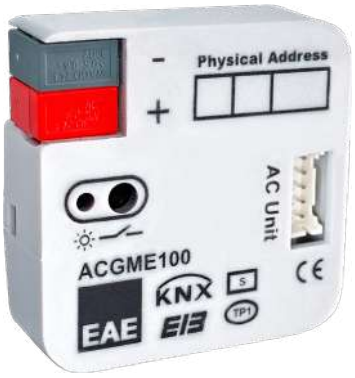
Power Supply	Voltage range Current consumption	21 - 30V DC, KNX Line < 10mA
Inputs	Quantity of connection points Permitted cable length	8inputs ≤ 10 m
Input	Detected Voltage Input current Safety	3.3 V DC 0.5 mA Short circuit protection, over voltage protection, reverse voltage protection
Operating Elements	LED (Red) and button	Used for programming the device
Connections	Inlets KNX	2 x 5 Connector Bus connect terminal
Temperature Range	Operation Storage	-5°C +45°C -25°C +55°C
Dimensions	42.5 mm x 42.5 mm x 12 mm	
Weight	0.06 kg	
Box	Plastic, polycarbonate, grey	
CE	Pursuant to EMC Guide and Low Current Regulation	

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

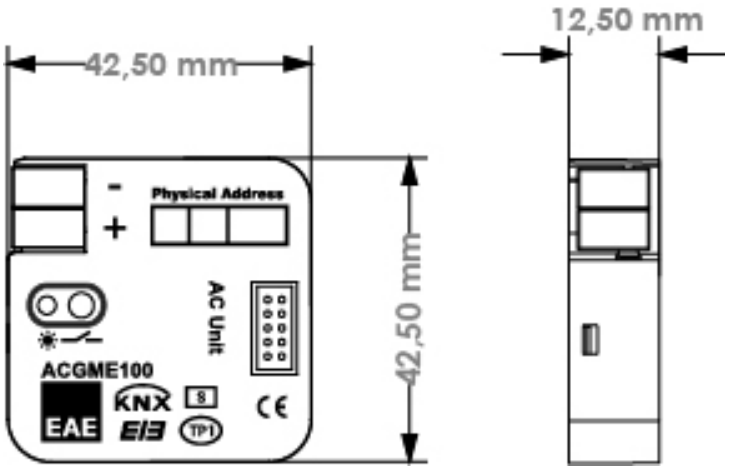


- Easy to Setup
- Two-way communication
- Energy efficiency

General Specifications

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

Dimensions (mm)



Technical Information

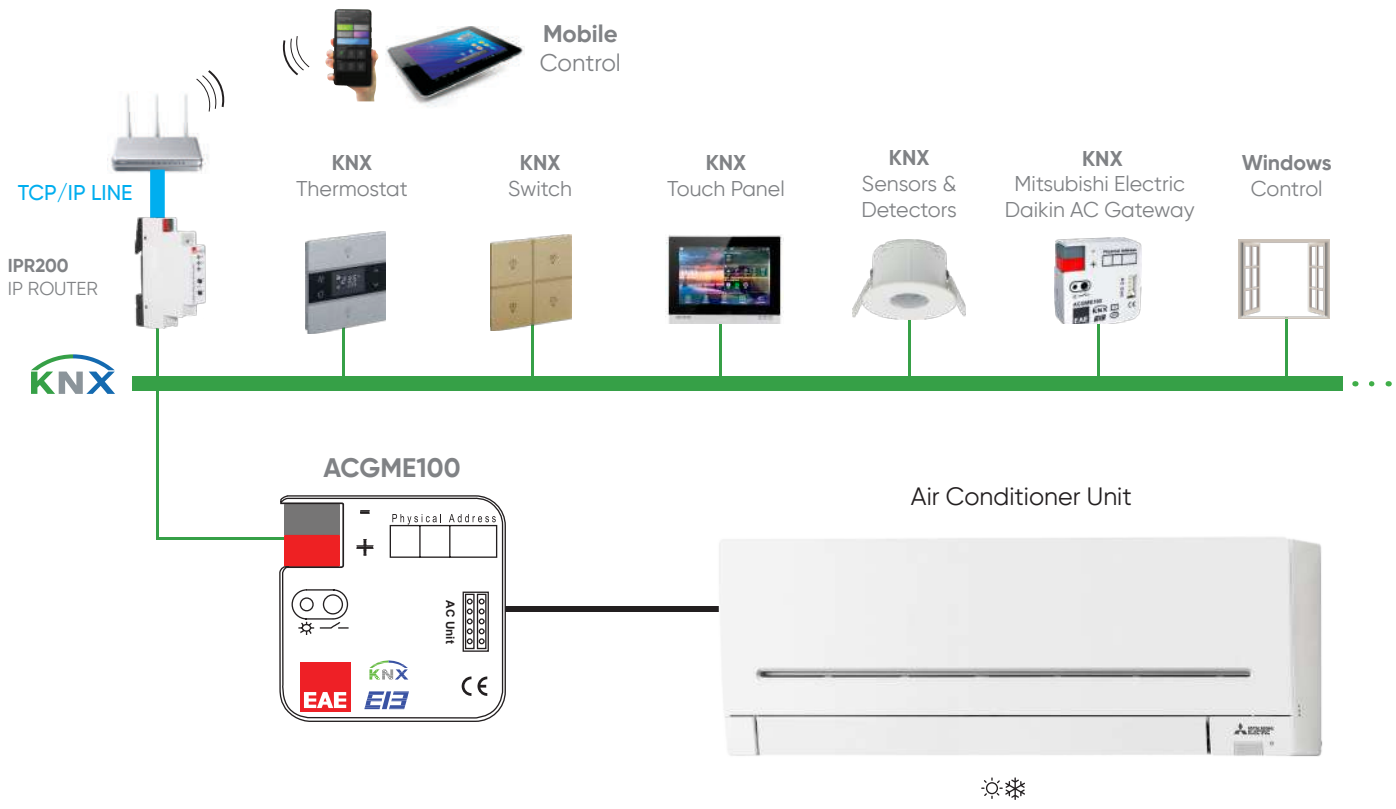
Safety Rating	IP20	EN 60529
Safety Class	II	EN 61140
Power supply	Voltage	22V... 30V DC, via the KNX bus
	Current consumption	≤10mA
AC Com Port	Cable length	≤3 m
Operating elements	LED (red) and button	For physical address
Temperature range	Operation	-5° C + 45° C
	Storage	-25° C + 55° C
Dimensions	42,5 mm x 42,5 mm x 12,8 mm	
Weight	0.06 kg	
Box	Plastic, policarbonate, 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 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.



ACGDAI100

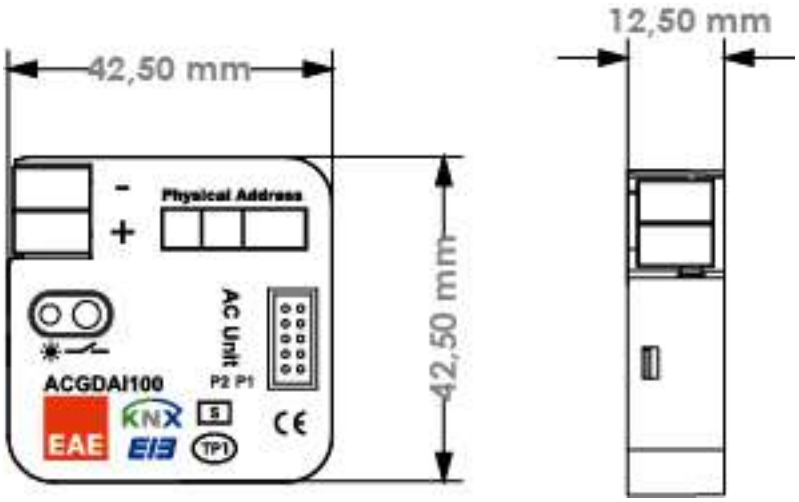
EAE KNX-DAIKIN AC GATEWAY

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

General Specifications

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

Dimensions (mm)



Technical Information

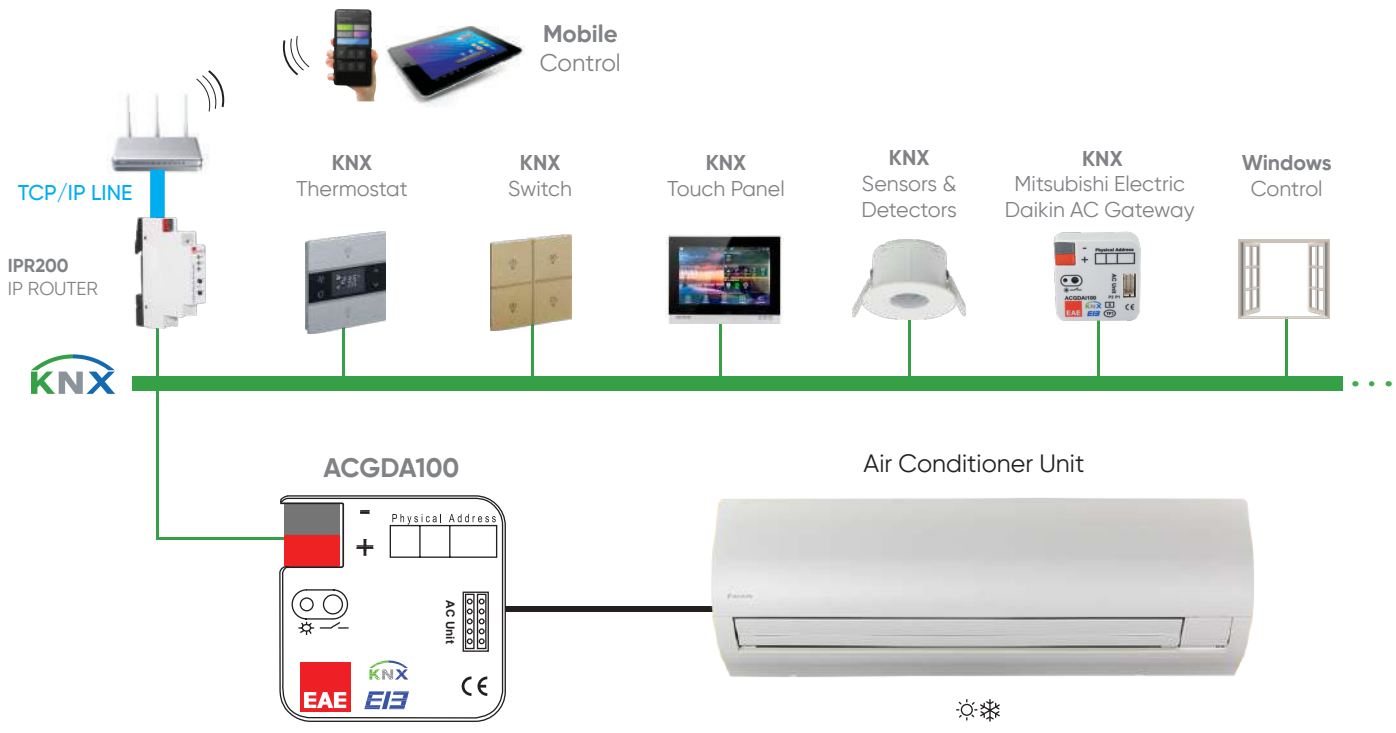
Safety Rating	IP20	EN 60529
Safety Class	II	EN 61140
Power supply	Voltage	22V... 30V DC, via the KNX bus
	Current consumption	≤10mA
AC Com Port	Cable length	≤3 m
Operating elements	LED (red) and button	For physical address
Temperature range	Operation	-5° C + 45° C
	Storage	-25° C + 55° C
Dimensions	42,5 mm x 42,5 mm x 12,8 mm	
Weight	0.06 kg	
Box	Plastic, policarbonate, grey	
CE	In accordance with the EMC guideline and low voltage directives.	

Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE Daikin AC KNX Gateway	ACGDAI100	48267	1 unit

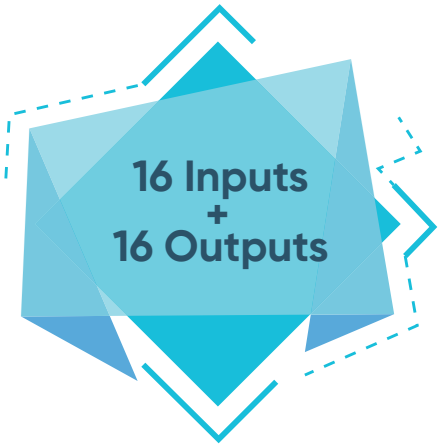
Easy Installation And Integration

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



MIO1616

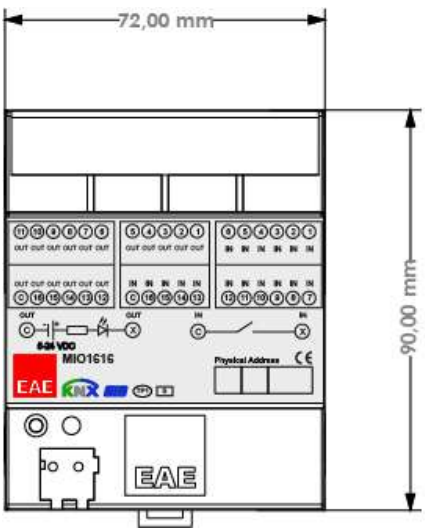
EAE KNX – MULTI INPUT/OUTPUT

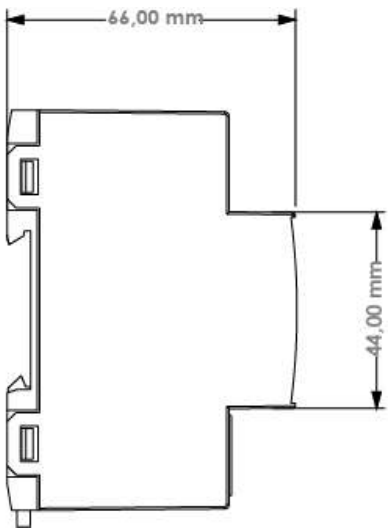


General Specifications

- 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 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 60529
Safety Class	II	EN 61140
Power Supply	Voltage Current consumption	21V... 30V DC, KNX Line <10 mA
Inputs	Quantity Maximum cable length	16 inputs <10 m
Input	Scanning voltage Input current	5V DC 0.5 mA
Outputs	Quantity Maximum cable length	16 outputs <10 m
Output	Output current Load type	400 mA Resistive
Operating Elements	LED (red) and button	For physical address
Connections	Input /Output KNX	 Bus connect terminal
Temperature Range	Operation Storage	-5° C + 45° C -25° C + 55° C
Dimensions	H x W x D Width W in (mm) Width W (unit)	90 mm x W x 66 mm 72 mm 4x18 mm modules
Weight	0.15 kg	
Box	Plastic, polycarbonate, grey	
CE	In accordance with the EMC guideline and low voltage	

Ordering Information

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

IPR200

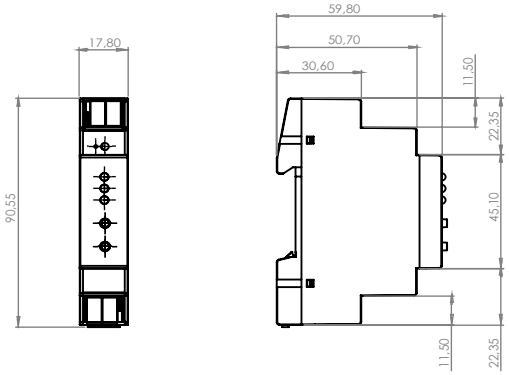
EAE KNX-IP ROUTER

Provides 5 KNXnet/ IP Tunneling connections.

General Specifications

- 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.
- **Controls and indicators:** 2 buttons + KNX programming button, 3 LEDs bicolor + KNX programming LED
- **Ethernet:** 10BaseT, 5 KNXnet/IP Tunneling connections
- **KNX:** Medium IP/TP, Filter table 8 kByte (64k group addresses), Long Frame
- **Connectors:** KNX connector, LAN RJ-45 socket

Dimensions (mm)



Technical Information

Protection Type	IP 20	IEC 60529
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	18 mm DIN rail mount	EN 60715 TH 35-75
Temperature Range	Operation Storage	-5° C + 45° C -25° C + 70° C
Dimensions	H x W x D Width W in (mm) Width W (unit)	90 mm x W x 60 mm 18 mm 1x18 mm modules
Weight	40 g	
Box	Housing: Plastic (PC)	
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

IPR200S

EAE KNX-IP ROUTER SECURE

Provides 8 KNXnet/ IP Tunneling connections.

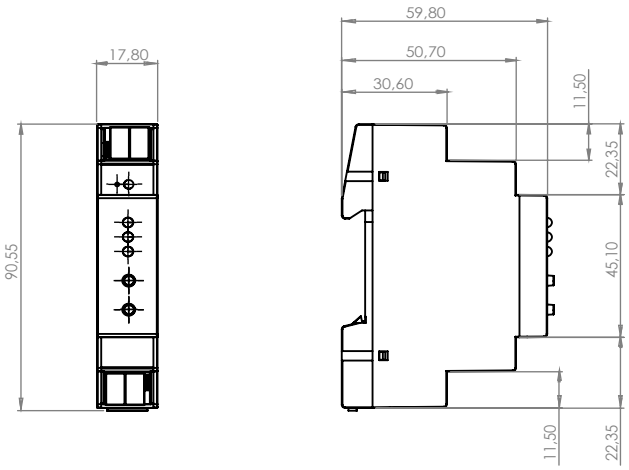
General Specifications

Same features with IPR200
Additional;

The KNX standard was extended by KNX Security to protect KNX installations from unauthorized access.

- **Controls and indicators:** 2 buttons and 3 LEDs, multicolor, KNX programming button with LED (RD)
- **Ethernet:** 100BaseT (100MBit/s), 8 KNXnet/IP Tunneling connections, Supported internet protocols ARP, ICMP, IGMP, UDP/IP, TCP/IP, DHCP and Auto IP
- **KNX:** Medium IP/TP, KNXnet/IP Routing, KNXnet/IP Tunneling, Long Frame, KNX Security (AES-128), Tunneling V2, Core V2, Up to 8 KNXnet/IP Tunneling connections simultaneously, Extended filter table for main group 0..31
- **Connectors:** KNX connector, LAN RJ-45 socket

Dimensions (mm)



Technical Information

Protection Type	IP 20	IEC 60529
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	< 20 mA
Connections	KNX Line	Bus connection terminal
	IP Line	RJ45 socket
Operating Elements	Function button, programming button, LEDs	
Installation	18mm DIN rail mount	EN 60715 TH 35-75
Temperature Range	Operation Storage	-5° C + 45° C -25° C + 70° C
Dimensions	H x W x D Width W in (mm) Width W (unit)	90 mm x W x 60 mm 18 mm 1x18 mm modules
Weight	40 g	
Box	Housing: Plastic (PC)	
CE	In accordance with EMC and low voltage directives.	

Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE IPR200S KNX-IP Router Secure	SMP IPR200S IP ROUTER SECURE	-	1 unit

IPI200

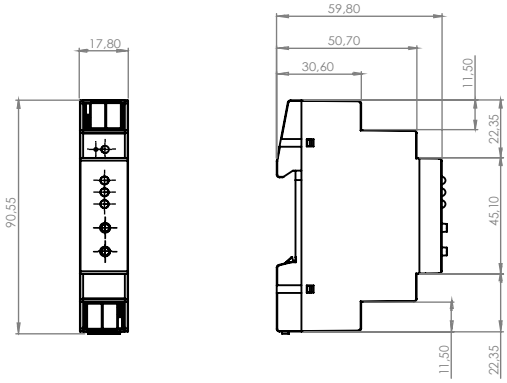
EAE KNX-IP INTERFACE

Provides 5 KNXnet/ IP Tunneling connections.

General Specifications

- The device supports 5 simultaneous KNXnet/IP Tunneling connections.
- The IPI200 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 IPI200 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 IPI200 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.
- **Controls and indicators:** 2 buttons and 3 LEDs, multicolor, KNX programming button with LED (RD)
- **Ethernet:** 10BaseT, 5 KNXnet/IP Tunneling connections
- **KNX:** Medium IP/TP, Long Frame
- **Connectors:** KNX Bus connector, LAN RJ-45 socket

Dimensions (mm)



Technical Information

Protection Type	IP 20	IEC 60529
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	18mm DIN rail mount	EN 60715 TH 35-75
Temperature Range	Operation Storage	-5° C + 45° C -25° C + 70° C
Dimensions	H x W x D Width W in (mm) Width W (unit)	90 mm x W x 60 mm 18 mm 1x18 mm modules
Weight	40 g	
Box	Housing: Plastic (PC)	
CE	In accordance with EMC and low voltage directives.	

Ordering Information

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

IPI200S

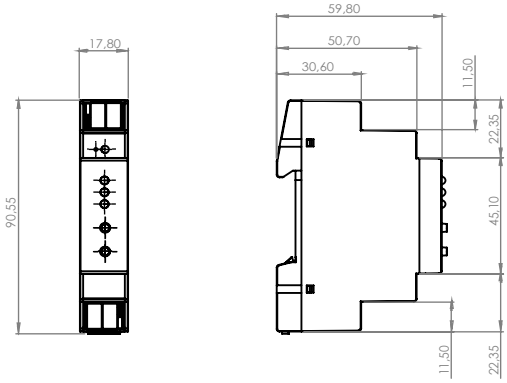
EAE KNX-IP INTERFACE SECURE

Provides 8 KNXnet/ IP Tunneling connections.

General Specifications

- The device supports 8 simultaneous KNXnet/IP Tunneling connections.
- The IPI200S 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 IPI200S 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 IPI200S 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.
- **Controls and indicators:** 2 buttons and 3 LEDs, multicolor, KNX programming button with LED (RED)
- **Ethernet:** 100BaseT(100MBit/s), Supported internet protocols ARP, ICMP, IGMP,UDP/IP, TCP/IP, DHCP and Auto IP.
- **KNX:** Medium TP, Long Frame, KNXnet/ IP tunneling, KNX IP Security (AES-128), Tunneling V2, Core V2, Up to 8 connections at the same time
- **Connectors:** KNX Bus connector, LAN RJ-45 socket

Dimensions (mm)



Technical Information

Protection Type	IP 20	IEC 60529
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	< 20 mA
Connections	KNX Line	Bus connection terminal
	IP Line	RJ45 socket
Operating Elements	Function button, programming button, LEDs	
Installation	18mm DIN rail mount	EN 60715 TH 35-75
Temperature Range	Operation Storage	-5° C + 45° C -25° C + 70° C
Dimensions	H x W x D Width W in (mm) Width W (unit)	90 mm x W x 60 mm 18 mm 1x18 mm modules
Weight	40 g	
Box	Housing: Plastic (PC)	
CE	In accordance with EMC and low voltage directives.	

Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE IPI200S KNX-IP Gateway	SMP IPI200S IP INTERFACE SECURE	50562	1 unit

LC200

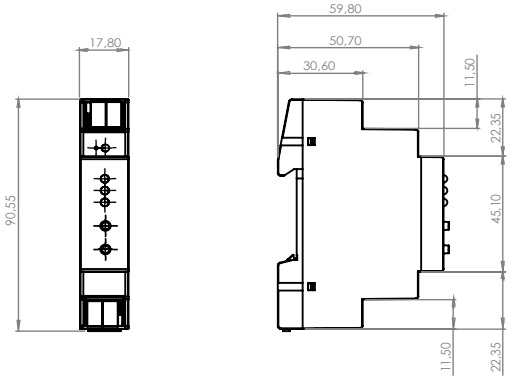
EAE KNX-LINE COUPLER

Has filter table and ensures a galvanic isolation between the lines.

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 (ETS5 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.
- **User Interface:** Two keys for on device settings, three multi color LEDs, KNX programming LED and KNX programming key
- **KNX:** Medium TP/TP, Filter table 8k Byte, Long Frame
- **Connectors:** Connector for KNX-TP main line (red/black), Connector for KNX-TP sub line (red/black)

Dimensions (mm)



Technical Information

Protection Type	IP 20	EN 60529
Safety Class	III	IEC 61140
Power Supply	Voltage	21...30V DC, SELV
	Current Consumption (main)	< 5 mA
	Current Consumption (sub)	< 3 mA
Connections	KNX Line (main)	Bus connection terminal
	KNX Line (sub)	Bus connection terminal
Operating Elements	Function button, programming button, LEDs	
Installation	18mm DIN rail mount	EN 60715 TH 35-75
Temperature Range	Operation	-5° C + 45° C
	Storage	-25° C + 70° C
Dimensions	H x W x D Width W in (mm) Width W (unit)	90 mm x W x 60 mm 18 mm 1x18 mm modules
Weight	40 g	
Box	Housing: Plastic	
CE	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

LC200S

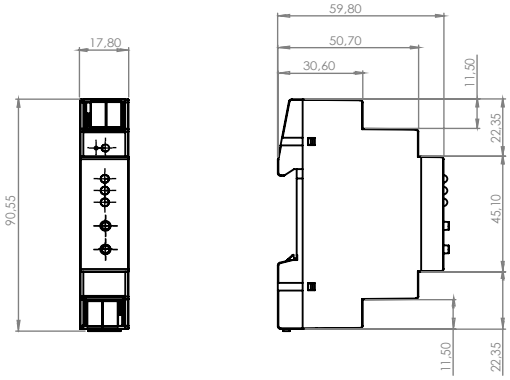
EAE KNX-LINE COUPLER SECURE

Has filter table and ensures a galvanic isolation between the lines.

General Specifications

- The EAE LC200S 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.
- Line coupler supports KNX longframes and is compatible with the ETS® software (ETS5 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.
- **User Interface:** 2 buttons and 3 LEDs (multicolor), KNX programming button with LED (red)
- **KNX:** Medium TP/TP, KNX Security (AES-128)(incl.Security Proxy), KNX Segment Coupler
- **Connectors:** Connector for KNX-TP main line (red/black), Connector for KNX-TP sub line (red/black)

Dimensions (mm)



Technical Information

Protection Type	IP 20	EN 60529
Safety Class	III	IEC 61140
Power Supply	Voltage	21...30V DC, SELV
	Current Consumption (main)	< 5 mA
	Current Consumption (sub)	< 3 mA
Connections	KNX Line (main)	Bus connection terminal
	KNX Line (sub)	Bus connection terminal
Operating Elements	Function button, programming button, LEDs	
Installation	18mm DIN rail mount	EN 60715 TH 35-75
Temperature Range	Operation	-5° C + 45° C
	Storage	-25° C + 70° C
Dimensions	H x W x D Width W in (mm) Width W (unit)	90 mm x W x 60 mm 18 mm 1x18 mm modules
Weight	40 g	
Box	Housing: Plastic	
CE	In accordance with EMC and low voltage directives.	

Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE KNX - Line Coupler Secure	SMP LC200S EAE S-KNX	50562	1 unit

SWITCHES

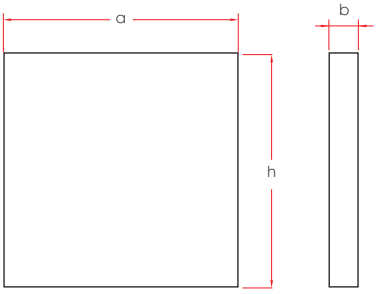
General Specifications

- Can be configured with ETS5 or higher.
- 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 5 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. / Temperature and Humidity sensor is available for Rosa and Oria
- 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
Power Supply	Bus voltage	21-30V DC, via KNX bus
	Current consumption (Mona)	<25 mA
	Current consumption (Rosa/Oria)	<10mA
Connections	EIB/KNX	Power Supply through EIB/KNX data line
Operation LEDs	Programming LED for each fold	To define physical address 1 to 5 RGB LED
Button Operation Life	100.000 (only Oria Series)	
Operation Temperature	Operation	-5° C + 45° C
	Storage	-25° C + 55° C
CE	Pursuant to EMC Guied and Low Voltage Regulation	

Dimensions (mm)



mona

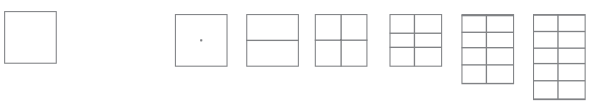
Type	a	b	h
Single	90	11	100

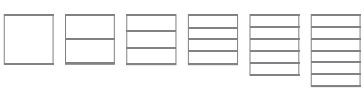
rosa

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
4 Fold	85	8,5	114
5 Fold	85	8,5	143

oria

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

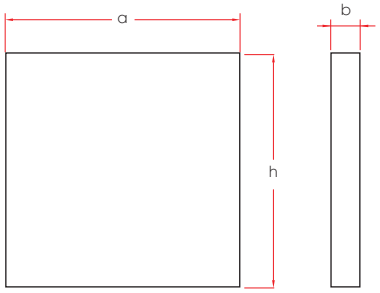
General Specifications

- Can be configured with ETS5 or higher
- 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
Power Supply	Bus voltage	21-30V DC, via KNX bus
	Current consumption (Mona)	<25 mA
	Current consumption (Rosa/Oria)	<10 mA
Operation LEDs	Programming LED for each fold	To define physical address 1 to 5 RGB LED
Button Operation Life	100.000 (only Oria Series)	
Operation Temperature	Operation	-5° C + 45° C
	Storage	-25° C + 55° C
CE	Pursuant to EMC Guied and Low Voltage Regulation	

Dimensions (mm)

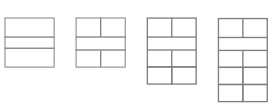


mona

Type	a	b	h
Single	90	11	100

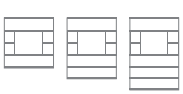
rosa

Type	a	b	h
1 Fold Thermostat	80	8,5	80
2 Fold Thermostat	80	8,5	80
3 Fold Thermostat	85	8,5	114
4 Fold Thermostat	85	8,5	143,60



oria

Type	a	b	h
2 Fold Thermostat	90	9	90
3 Fold Thermostat	90	9	111,5
4 Fold Thermostat	90	9	133



CERTIFICATES

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

KNX EN 50090

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-IEC 62386

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

RoHS 2002/95/EC

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

ISO9001 WCS

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.

EAC

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.

PANEL DEVICES

RCU FAMILY
EAE KNX - ROOM CONTROL UNITS

KMG103
EAE KNX - KNX Modbus Gateway

KMG103 - AAZS
EAE KNX - KNX Modbus Gateway with Doorlock Integration

UD106
EAE KNX - UNIVERSAL DIMMER

SD110
EAE KNX - 1-10V DIM ACTUATOR

FCA100
EAE KNX - FANCOIL ACTUATOR

SW108 / SW104
EAE KNX - RELAY MODULE

PSU320 / PSU640
EAE KNX - POWER SUPPLY
320mA/640mA

MIO1616
EAE KNX - MULTI INPUT OUTPUT

DA100 / DA110
EAE KNX - DALI GATEWAY

UI108
EAE KNX - UNIVERSAL INTERFACE

ACGME100
MITSUBISHI AC GATEWAY

ACGDAI100
DAIKIN AC GATEWAY

Sensors

IPR200 / IPI200 / IPR200S / IPI200S
EAE KNX - IP ROUTER - IP ROUTER SECURE
IP INTERFACE - IP INTERFACE SECURE

LC200 / LC200S
EAE KNX - LINE COUPLER -LINE COUPLER SECURE

PD100 / MD100 / HB360 / CD100
EAE KNX - SENSOR

HOTEL GRMS DEMO CASE

MONA DEMO BOX

ROSA DEMO BOX

ROSA DEMO CASE

SOME OF OUR **REFERENCES**

AIRPORT
REFERENCES

THY ISTANBUL AIRPORT
Istanbul

ISTANBUL AIRPORT EAST BLOCK
Istanbul

ISTANBUL AIRPORT OPERATIONS CENTER
Istanbul

ISTANBUL AIRPORT MOSQUE
Istanbul

TURKISH TECHNIC
Istanbul

THY SIMULATION BUILDING
Istanbul

ISTANBUL AIRPORT SOLID WASTE CENTER
Istanbul

SABIHA GOKCEN AIRPORT
Istanbul

RIZE/ARTVIN AIRPORT
Rize

RIZE/ARTVIN TOWER
Rize

KAYSERI AIRPORT
Kayseri

ANTALYA AIRPORT DIRECTORE
Antalya

ANTALYA AIRPORT CARGO
Antalya

ANTALYA AIRPORT CARPARK
Antalya

TOKAT AIRPORT
Tokat

7th MAIN JET BASE COMMAND
Malatya

HOSPITAL
REFERENCES

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

LUTFI KIRDAR TRAINING AND RESEARCH HOSPITAL
Istanbul

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

SANLIURFA CEYLANPINAR PUBLIC HOSPITAL
Sanliurfa

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

UŞAK PUBLIC HOSPITAL
Usak

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

SIVAS CUMHURIYET UNIVERSITY HOSPITAL
Sivas

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

KUTAHYA CITY HOSPITAL
Kutahya

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

OKMEYDANI TRAINING AND RESEARCH HOSPITAL
Istanbul

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

MALATYA MATERNITY HOSPITAL
Malatya

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

GAZIANTEP MATERNITY HOSPITAL
Ankara

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

KIRKLARELI LULEBURGAZ PUBLIC HOSPITAL
Kırklareli

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

BARTIN PUBLIC HOSPITAL
Bartin

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

OSMANIYE PUBLIC HOSPITAL
Osmaniye

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

MALATYA BATTALGAZI PUBLIC HOSPITAL
Malatya

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

ZONGULDAK TOKI PUBLIC HOSPITAL
Zonguldak

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

AKSARAY PUBLIC HOSPITAL
Aksaray

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

ORDU CITY HOSPITAL
Ordu

REPUBLIC OF TÜRKİYE
MINISTRY OF HEALTH

ADIYAMAN MATERNITY HOSPITAL
Adiyaman

HOSPITAL REFERENCES

MALATYA ONCOLOGY HOSPITAL
Malatya

ANKARA GOLBASI PUBLIC HOSPITAL
Sanliurfa

BUNYAN PUBLIC HOSPITAL
Kayseri

GIRESUN KALE PUBLIC HOSPITAL
Giresun

K.MARAS PAZARCIK PUBLIC HOSPITAL
Kahramanmaraş

KILIS MERKEZ PUBLIC HOSPITAL
Kilis

MERSIN TARSUS PUBLIC HOSPITAL
Mersin

HATAY DORTYOL PUBLIC HOSPITAL
Hatay

TEKIRDAG CITY HOSPITAL
Tekirdağ

AGRI PUBLIC HOSPITAL
Ağrı

ERZURUM CITY HOSPITAL
Erzurum

NIGDE PUBLIC HOSPITAL
Nigde

ACIBADEM HOSPITAL
Adana

ACIBADEM HOSPITAL
Istanbul

ACIBADEM HOSPITAL
Izmir

SAMSUN CITY HOSPITAL
Samsun

GOVERMENT
REFERENCES

SIVAS GOVERNORSHIP
Sivas

USKUDAR MUNICIPALITY
Istanbul

TURKISH FOOTBALL FEDERATION
Istanbul

TURKISH PUBLIC RAILWAYS
Ankara

SUPREME ELECTION BOARD
Ankara

SINCAN LAND REGISTRY AND CADASTRE BUILDING
Ankara

BURSA REGIONAL COURT OF JUSTICE
Bursa

HAVELSAN
Ankara

ETIMADEN
Ankara

DULKADIROGLU MUNICIPALITY
Kahramanmaraş

DUDULLU BOSTANCI TUNNELS
Istanbul

TURKIYE REPUBLIC DIRECTORATE OF COMMUNICATIONS
Ankara

AKSARAY MUNICIPALITY
Aksaray

BORSA ISTANBUL DATA CENTER
Istanbul

BAKIRKOY MUNICIPALITY
Istanbul

BAKIRKOY GOVERNMENT BUILDING
Istanbul

GOVERMENT REFERENCES

AFAD BUILDING
Ankara

DISASTER and EMERGENCY MANAGEMENT CENTER
Erzincan

DISASTER and EMERGENCY MANAGEMENT CENTER
Kahramanmaras

DISASTER and EMERGENCY MANAGEMENT CENTER
Rize

DISASTER and EMERGENCY MANAGEMENT CENTER
Elazig

DISASTER and EMERGENCY MANAGEMENT CENTER
Kastamonu

PRESIDENCY AHLAT COMPLEX
Bitlis

BURSA REGIONAL COURT OF JUSTICE
Bursa

ALANYA COURTHOUSE
Antalya

ANTALYA CENTRAL BANK
Antalya

ERDEMLI COURTHOUSE
Mersin

MINISTRY OF YOUTH AND SPORT BUILDING
Istanbul

CANAKKALE MUNICIPAL BUILDING
Canakkale

ADIYAMAN GOVERMENT HOUSE
Adiyaman

GUNGOREN MUNICIPALITY BUILDING
Istanbul

SENEGAL TURKISH EMBASSY BUILDING
Africa

SHOPPING MALL **REFERENCES**

NATA VEGA SUBAYEVLERI
Ankara

YDA CENTER
Ankar

LC WAIKIKI STORE
Istanbul

KOCTAS
Istanbul

IZMIR KARSIYAKA SHOPPING MALL
Izmir

USKUDAR NEV SHOPPING MALL
İstanbul

SPORT FACILITY **REFERENCES**

SENEGAL NATIONAL STADIUM
Senegal

KARABUK SPORT CENTER
Karabuk

ANTALYA CLOSED SPORT ARENA
Antalya

RIVA GOLF CLUB
Istanbul

CEMAL KAMACI SPORT COMPLEX
Istanbul

SCHOOL REFERENCES

ALTINBAS UNIVERSITY
Istanbul

NATIONAL DEFENSE UNIVERSITY
Istanbul

OSMANGAZI UNIVERSITY
Eskisehir

USKUDAR UNIVERSITY FACULTY OF DENTISTRY
Istanbul

OZYEGIN UNIVERSITY
Istanbul

NECMETTIN ERBAKAN UNIVERSITY
Konya

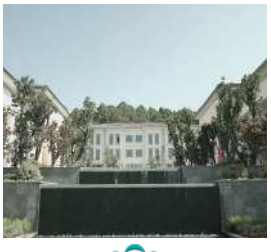
MARMARA UNIVERSITY EDUCATION LABORATORY
İstanbul

GEBZE UNIVERSITY
Istanbul

ERCIYES UNIVERSITY
Kayseri

NESIBE AYDIN OKULLARI
Ankara

LAND FORCES LANGUAGE SCHOOL
Ankara



NUN SCHOOLS
İstanbul

GONDAR UNIVERSITY
Ethiopia

MEDENIYET UNIVERSITY LIBRARY & B BLOCK
Istanbul

MEV BORNOVA COLLEGE
Izmir

ORD.PROF.DR. SULHİ DONMEZER EDUCATION CENTER
Istanbul

FACTORY
REFERENCES

YATAS FACTORY
Ankara

UNF MACHINE
Ankara

TURK TRACTOR
Sakarya

SISECAM FACTORY
Sinop

REPKON FACTORY
Istanbul

PROCESS ALIMINIUM
Konya

NUKON TEKNOSAB FACTORY
Bursa

MODERN PACKING
Sakarya

ROKETSAN
Ankara

MERCEDES BENZ TURKEY FACTORY
Aksaray

FORD OTOSAN FACTORY
Kocaeli

CAYKUR RIZE TEA FACTORY
Rize

BOSCH FACTORY
Bursa

PHILIP MORRIS FACTORY
Kazakhistan

KORDSA FACTORY
Kocaeli

UNIPRESS
UK

OFFICE
REFERENCES

YDA MARMARA TOWER
Istanbul

TORUNLAR GYO
İstanbul

YEDITEPE TECHNOPARK
Istanbul

TV100 GENERAL CENTER
Istanbul

TUPRAS BUILDING
Istanbul

TORUN CENTER OFFICE
Istanbul

SABANCI BUSINESS TOWERS
Istanbul

HUAWEI GENERAL CENTER
Istanbul

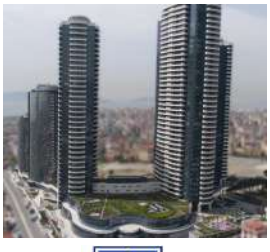
OMSK CARBON OFFICE
Russia

MERCEDES BENZ VADI
Istanbul

CMS WHELL FACTORY
Izmir

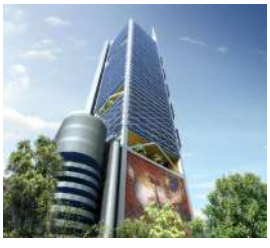
MC KINSEY TOWER
Baku

MARMARA ANATOLIUM TOWER
Istanbul



IS GYO ANKARA TOWER
Ankara

CBI BANK
UAE



MELAL TOWER
Iraq

OFFICE
REFERENCES

ISTANBUL FINANCIAL CENTER BDDK BUILDING
Istanbul

ISTANBUL FINANCIAL CENTER HALK BANK GYO
Istanbul

ISTANBUL FINANCIAL CENTER 1-13 RECREATION
Istanbul

ISTANBUL FINANCIAL CENTER SPECIAL PROJECT AREA
Istanbul

ISTANBUL FINANCIAL CENTER SIGORTA A.S.
Istanbul

BORSA ISTANBUL
Istanbul

TURKCELL DATA CENTER
Ankara- Corlu-Gebze

KALYON HOLDING GENERAL CENTER
Istanbul

KHOSHNAW TOWER
Iraq

TECHNOPARK A BLOCK
Istanbul

NOKIA OFFICE
Istanbul

IZMIR GAS BUILDING
Izmir

BALANCE GUNESLI
Istanbul

LOTUS OFFICE
Bursa

BORSA ISTANBUL DATA CENTER
Istanbul

ANDAC AUTOMOTIVE
Izmir

WAREHOUSE REFERENCES

MILAHA LOGISTICS CITY
Qatar

YALOVA RO-RO PORT
Yalova

SAFIPORT
Kocaeli

OYAKPORT YARIMCA
Kocaeli

PTT INTERNATIONAL CARGO PROCESSING CENTER
Istanbul

EKOL LOGISTIC
Kocaeli

MIGROS WAREHOUSE
Ankara

VITRA WAREHOUSE
Bilecik

BIM WAREHOUSE
Istanbul

FILE WAREHOUSE
Istanbul

ABDI IBRAHIM
Istanbul

KAYSERI YATAS LOGISTIC
Kayseri

MEDLOG LOGISTIC
Izmir

AYDINLI LOGISTIC
Istanbul

FY LOGISTIC
Istanbul

DOGA LOGISTIC
Istanbul

RESIDENTAL
REFERENCES

CLOUD NINE
Russia

MESA ORMAN II
Istanbul

MESA CENGELKOY
Istanbul

COUNTRY SUIT
Gaziantep

SPC BUILD
Sapanca

PARK PANORAMA
Izmir

COS ALACATI
Izmir

ALI KEMAL GURDAL
Antalya

PUKKA BODRUM
Mugla

NISH MERAM
Konya

PERA MOGAN
Ankara

MERYAKA RESIDENCE
Konya

FLORYA MAX ROYAL
Adana

NOA TERRACE RESIDANCE
Izmir

NAMET BEYLERBEYI
Istanbul

KECIOREN APARTMENTS
Ankara

RESIDENTAL
REFERENCES

FOLKART VEGA
İzmir

FOLKART BOYALIK
Izmir

BODRUM NEF GOLKOY
Bodrum

ALTOWER
Istanbul

MESA CUBUKLU 28
Istanbul

VADIKORU RESIDENCE
Istanbul

MESA DEMIRBUKU
Bodrum

CENTRAL BALAT RESIDENCE
Bursa

BONNEVILLE MIHRAPLI
Bursa

BRODSKY APARTMENT
Russia

CADDE MASLAK
Konya

ROUTE ISTANBUL
Istanbul

COUNTRY SUIT
Gaziantep

MOTTO TERRACE GARDEN
Konya

SAKLIBAHCE CAMLICA
Istanbul

HESSAH AL MUBARAK
Kuwait

RESIDENTAL
REFERENCES

MANDARIN VILLAS
Çanakkale

MONA 94
Istanbul

ARYA DELUXE
Gaziantep

NISH GUMUSLUK
Bodrum

RISING ROSARANDA CESME
Izmir

MARITZA RESIDANCE
Istanbul

NATURA PARK MERAM
Konya

A GARDENYA RESIDENCE
Antalya

FAIRMONT RESIDANCE
Russia

ARTAS ATA RESIDENCES
Istanbul

MESA CINARKOY
Istanbul

MESA URLA
Istanbul

MESA BODRUM
Bodrum

DORUK BEYTEPE
Ankara

ARMANI RESIDENCE
Russia

FJ TOWER
Qatar

HOTEL
REFERENCES

Marriott HOTELS · RESORTS · SUITES

Le MERIDIEN MARRIOTT HOTEL
Tbilisi

Marriott AUTOGRAPH COLLECTION HOTELS

AUTOGRAPH COLLECTION MARRIOTT
Istanbul

Marriott HOTELS · RESORTS · SUITES

MARRIOTT SIRKECI HOTEL
İstanbul

NG HOTELS PHASELIS BAY

NG PHASELIS BAY HOTEL
Antalya

MILLENNIUM

MILLENNIUM WEST HOTEL
Istanbul

THE OBA

THE OBA HOTEL
Bodrum

Radisson

RADISSON HOTEL
Izmir

Radisson BLU

RADISSON BLUE HOTEL
India

Hura MALDIVES

MABIN HURA MALDIVES
Maldives

RIXOS THE PALM DUBAI

RIXOS PREMIUM DUBAİ
UAE

Grand Hôtel ★★★★

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

KARAVANSARAY COMPLEX
Kazakhistan

GURDAL HOTEL
Istanbul

HOTEL
REFERENCES

KEMPINSKI DOME BELEK
Antalya

BARUT AKRA SORGUN
Antalya

DEDEMAN HOTEL
Eskisehir

RIXOS TEKIROVA
Antalya

SHERATON HOTEL BATUM
Batum

DOLCE BY WYNDHAM
Ankara

CROWNE PLAZA ORYAPARK
Istanbul

MELDEN HOTEL
Mugla

WASHINGTON HOTEL
Antalya

HAMPTON BY HILTON SIRKECI
Istanbul

ROCKS HOTEL
Cyprus

ALMINA HOTEL
Bursa

INEMARE HOTEL
Kırklareli

SHUSHA HOTEL
Azerbaijan

DEMONTI HOTEL
Ankara

TIERRA MAR HOTEL
Antalya

HOTEL
REFERENCES

RIXOS PREMIUM BODRUM
Mugla

HILTON SIRKECI HOTEL
Istanbul

FASQ HOTEL
Mauritania

CIELO HOTEL
Qatar

BENIN SOFITEL HOTEL
Benin

MÖVENPICK HOTEL
UAE

ST REGIS HOTEL
Oman

ROTANA HOTEL
UAE

EMILY RESORT
Lviv

OYAK DRAGOS
Istanbul

CONDOR HOTEL
Romania

SHERATON HOTEL
Senegal

PEARL MARRAKECH HOTEL
Marrakech

PESTANA HOTEL
Casablanca

CROWNE PLAZA
Tachikistan

KATE HOTEL SPECIAL CLASS
Istanbul


EAE
TECHNOLOGY

The information in this catalogue is subject to change without notice. Datasheet and user manuals should be consulted for the most accurate and up-to-date information.

EAE Technology assumes no responsibility for any errors that may appear in this document.

EAE
TECHNOLOGY

HEADQUARTERS :

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Basaksehir Istanbul/Turkey
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eaeteknoloji.satisdestek@eaegroup.com

eaetechnology.com