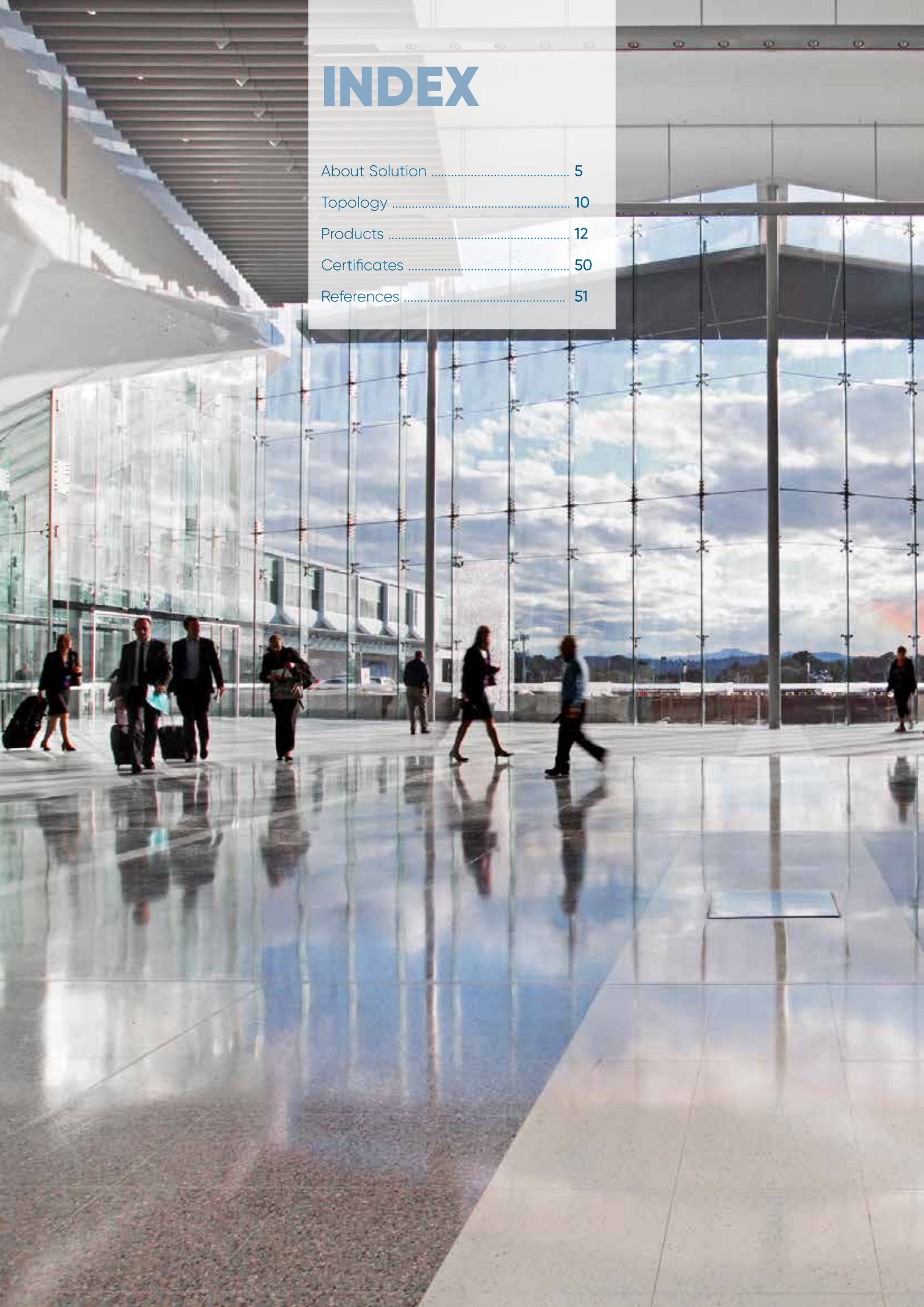
Industrial & Commercial Building Solutions


EAE
TECHNOLOGY

INDEX



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

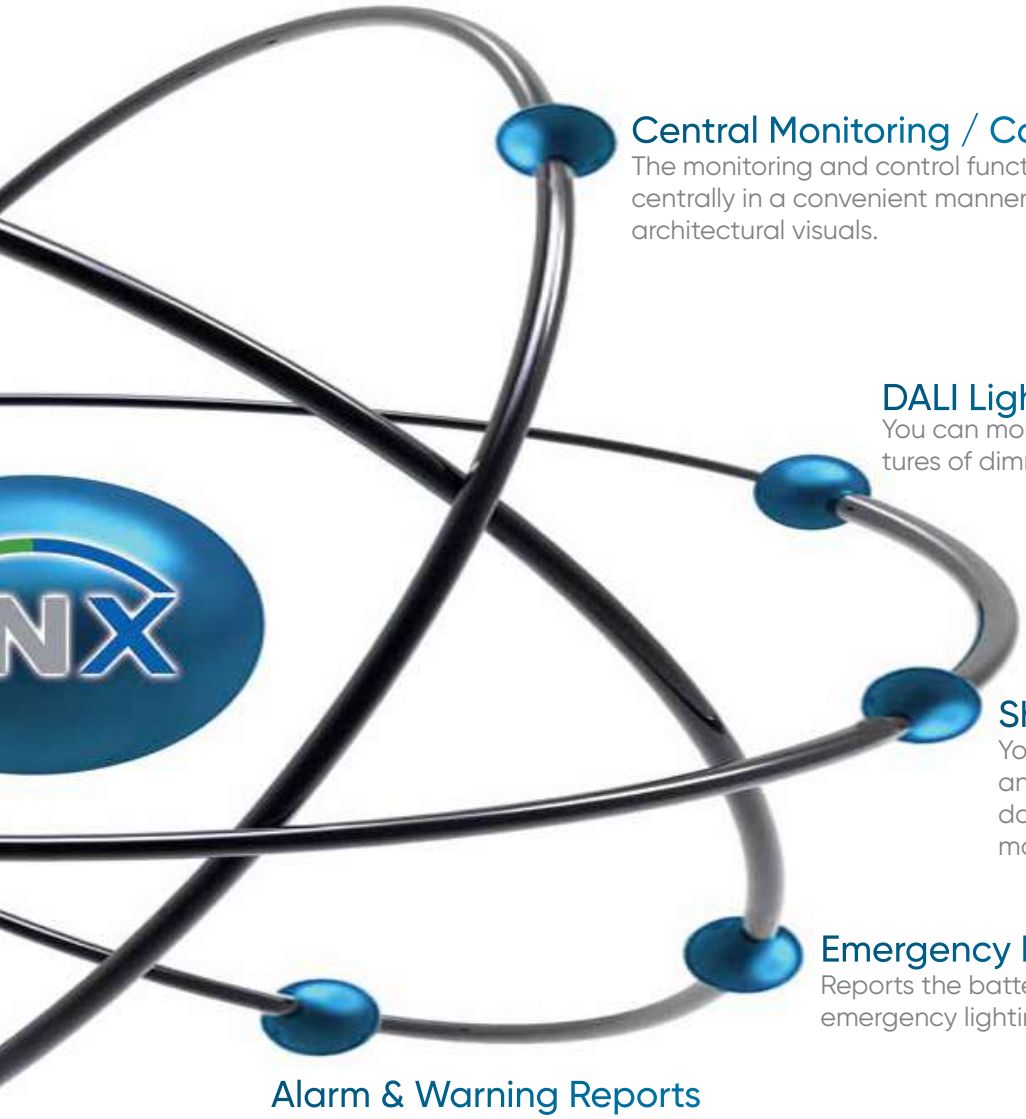
Both indoor and outdoor lighting requirements can be managed by means of daylight related controls.

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

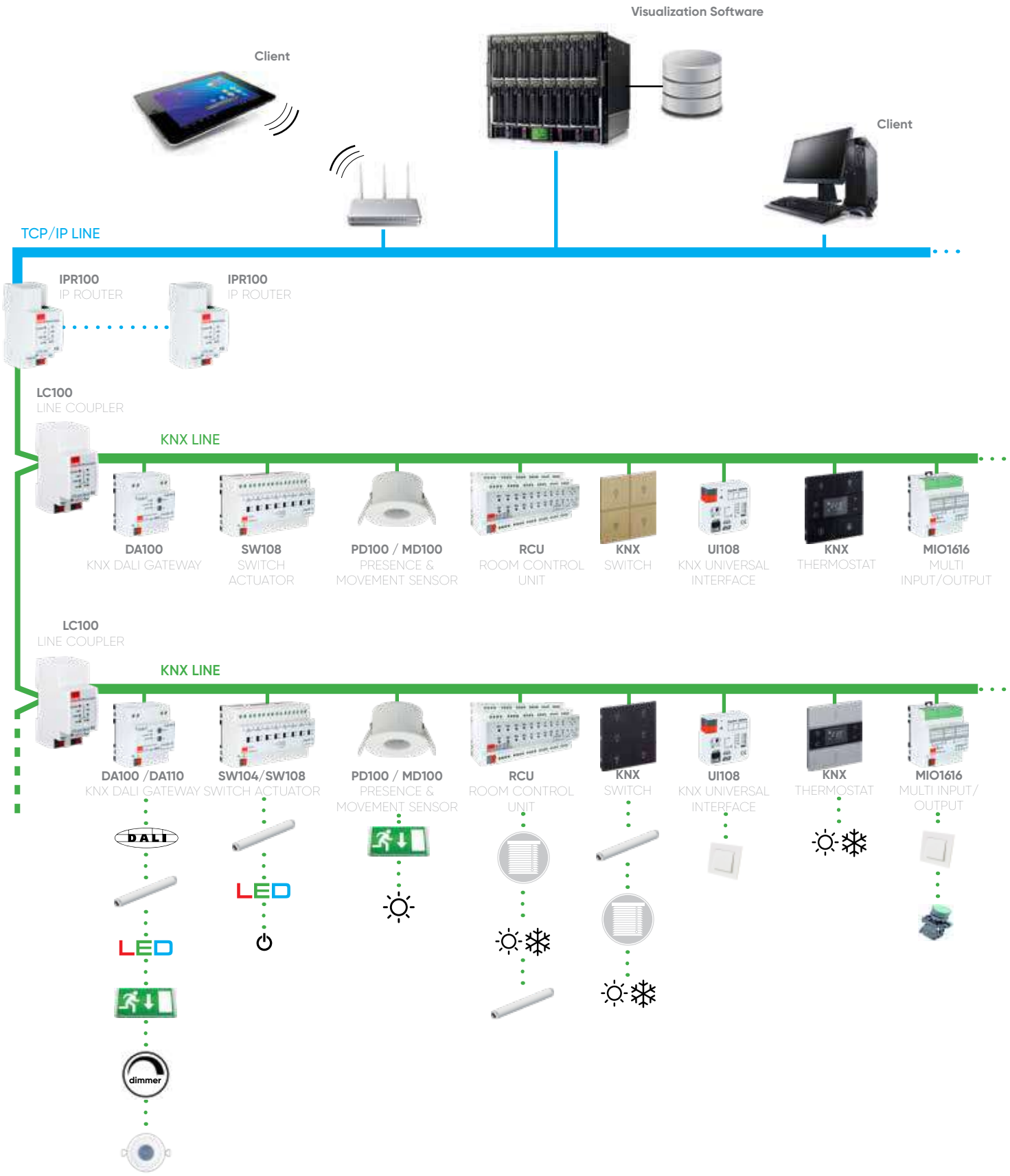
Reports the battery testing and error status of the emergency lighting fixtures available in the facility.

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


Visualization Software
Client
Client
TCP/IP LINE
IPR100
IP ROUTER
IPR100
IP ROUTER
LC100
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
LC100
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

Miola Touch Panel 7.0"

Miola Touch Panel 10.1"

Thermostat & Switches

Panel Devices

PRODUCTS

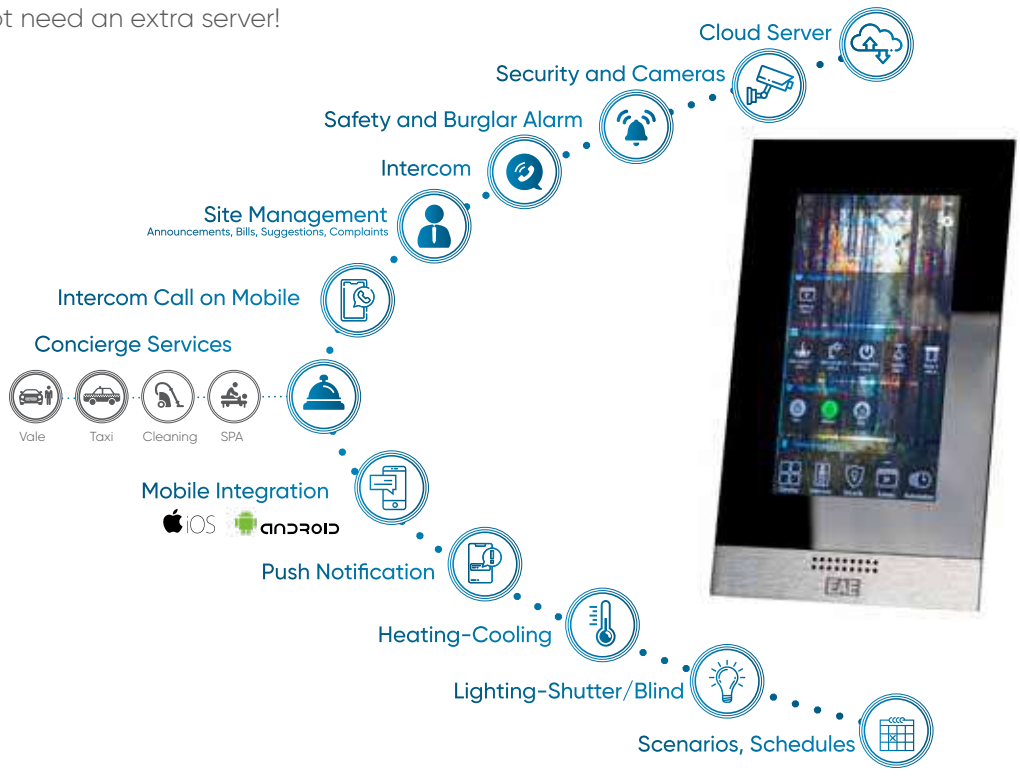
- **MIOLA** TOUCH PANEL
- **PD100** / **MD100** PRESENCE AND MOVEMENT SENSOR
- **CD100** CORRIDOR DETECTOR
- **HD100** HIGHBAY MOTION DETECTOR
- **RCU2018** / **RCU2000** / **RCU1616** / **RCU1600** / **RCU1212** / **RCU1200**/ **RCU0808** / **RCU0800** ROOM CONTROL UNIT
- **SW104** / **SW108** SWITCH 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
- **IPR100/IPI100** KNX IP ROUTER
- **LC100** LINE COUPLER
- **KNX** SWITCHES, THERMOSTATS and FRAMES

MIOLA TOUCH PANEL

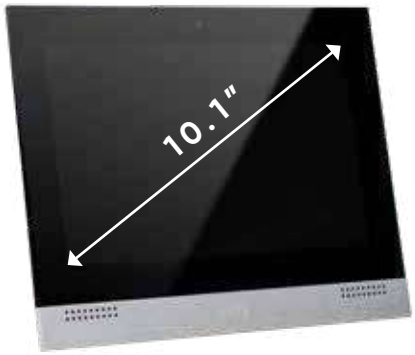
With Miola Panel, you can easily control your home!

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!



android 8.0



10.1" MIOLA

7" MIOLA

Color Options

Natural

Anthracite

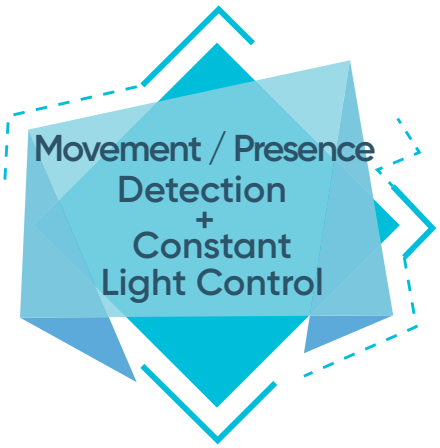
Miola Technical Data

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 Connectivy	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

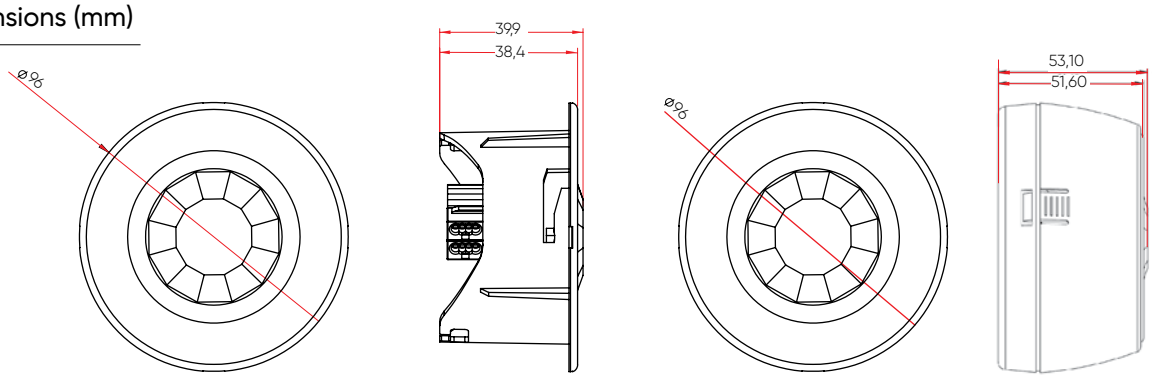
EAE KNX SENSOR



General Specifications

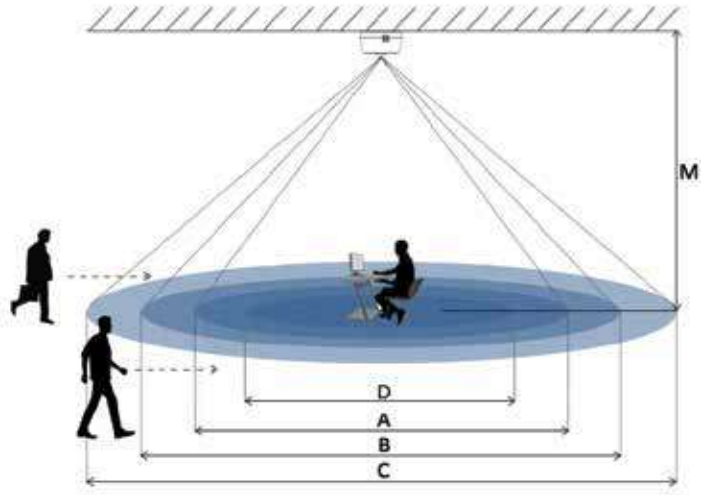
- PD100 movement sensor is ideal for indoor use such as in medium and large scale office spaces, conference halls, corridors, classrooms, parking garages. It comes in two models; flush-mounted and surface-mounted.
- Thanks to the integrated light level sensor and movement sensor it can implement fixed 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

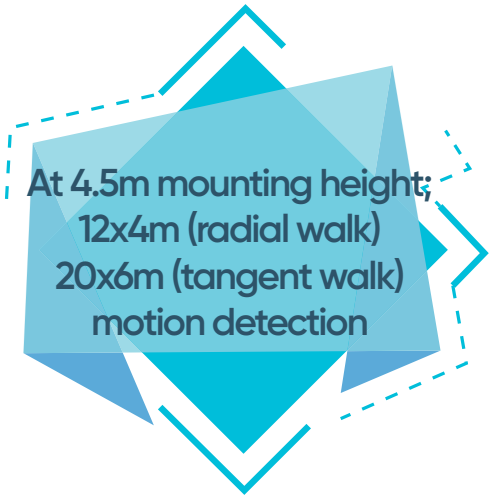
MD100	A	B	C	D
5,5 m	7,8 m	12 m	18 m	Ø3.3
5,0 m	7,3 m	9 m	15 m	Ø3.0
4,0 m	6 m	8 m	13 m	Ø2.3
3,5 m	5 m	7,5 m	12 m	Ø2.0
3,0 m	4,5 m	7 m	10,5 m	Ø1.6
2,5 m	4 m	6,5 m	9 m	Ø1.2
5,5 m	9 m	12 m	18 m	Ø3.3

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

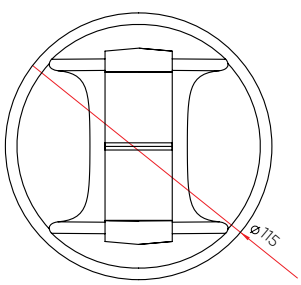
EAE KNX CORRIDOR SENSOR

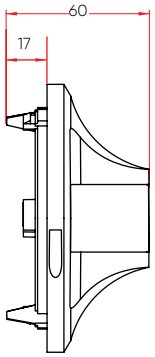


General Specifications

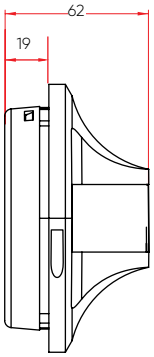
- The CD100 KNX Corridor Sensor is developed for corridors, warehouses and car parking spaces. It has two mounting options which are flush mounted and surface mounted (recommended max. height 4.5m).
- Depending on the entity, a constant light function can be applied with the integrated brightness and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



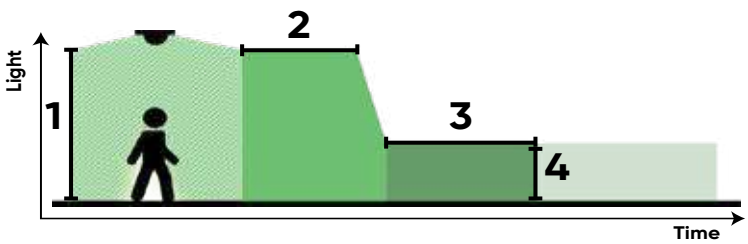


Flush Mounted



Surface Mounted

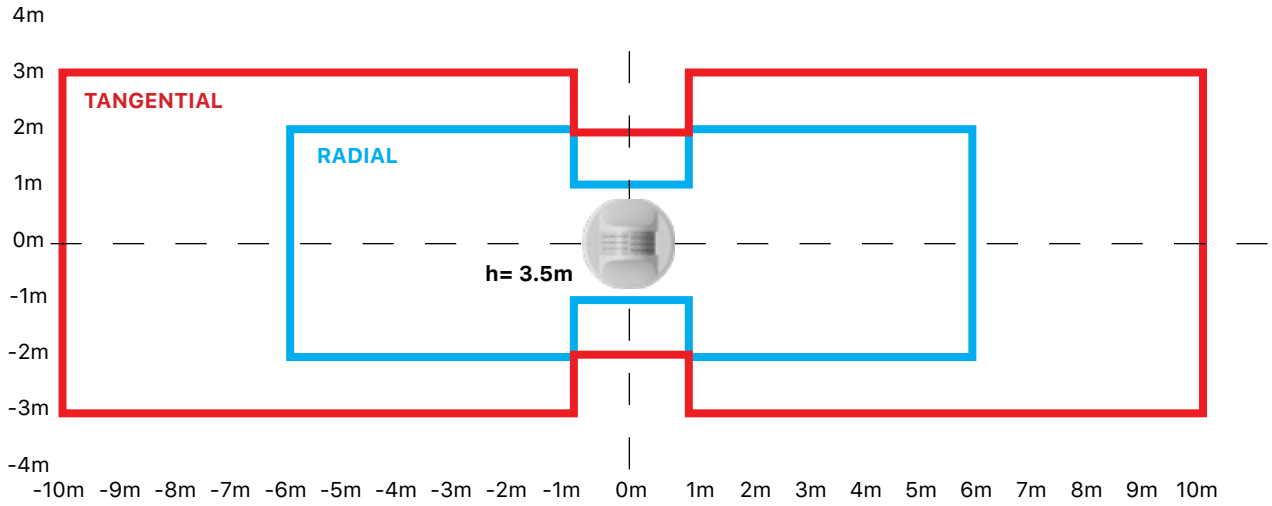
Corridor function graph

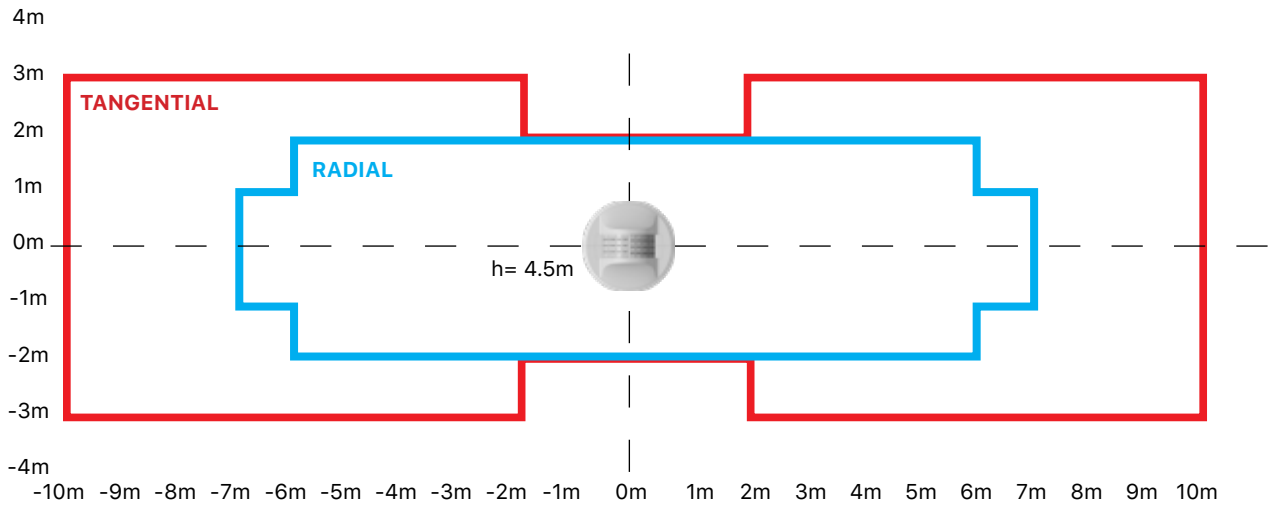


1	**Presence value**	: Luminous intensity set for the presence of persons
2	**Stay on time**	: Delay time
3	**Switch off delay**	: Period of time during which the absence value is maintained before the lighting is switched off.
4	**Absance value**	: Luminous intensity set for the absence of persons

Technical Information

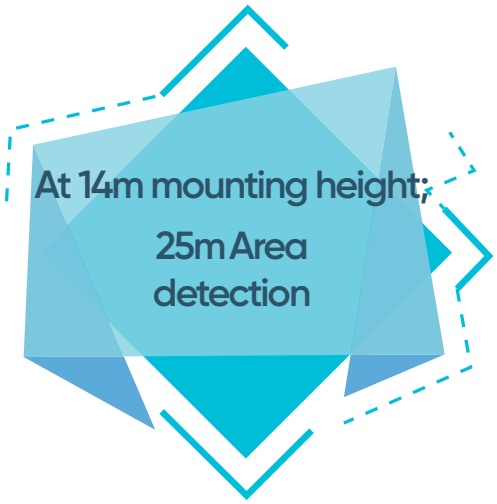
Protection Type	IP 20 / IP 44 (Surface Mounted) IP 20 (Recessed)	EN 60529
Safety Class	II	EN 61140
Supply	Voltage range Current consumption	21 - 30V DC, KNX line < 10mA
Application areas		Indoors, Corridors, Car parks, Warehouses
Sensor Type		Passive infrared
Installation	Location Recommended height	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

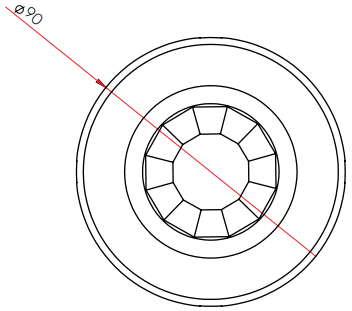
EAE KNX HIGHBAY MOTION SENSOR

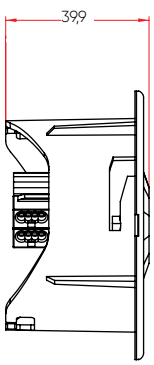


General Specifications

- 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

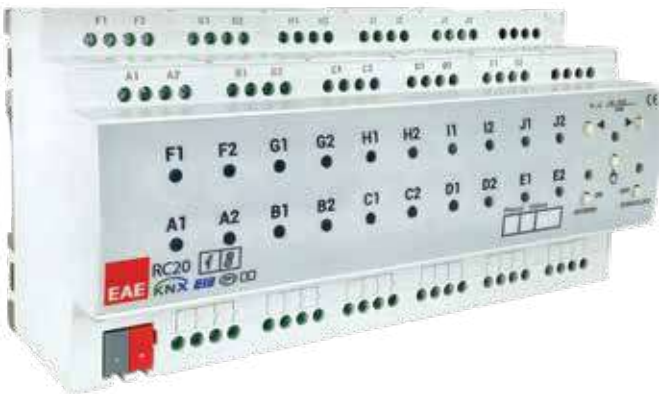
Protection Type	IP 20	EN 60529
Safety Class	II	EN 61 140
Power Supply	Voltage Current consumption	21 - 30V DC, KNX Line < 10mA
Application areas		Warehouses, Car Parks etc.
Sensor Type		Passive infrared
Installation	Location	Ceiling
Detection	Diameter (at height of 12m) Area Angle Light Level	14m movement detection 25m 360° 10-1000 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	Ambient Storage Transport	- 5°C +45°C -25°C +55°C -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 44	Number of addresses (max) 254

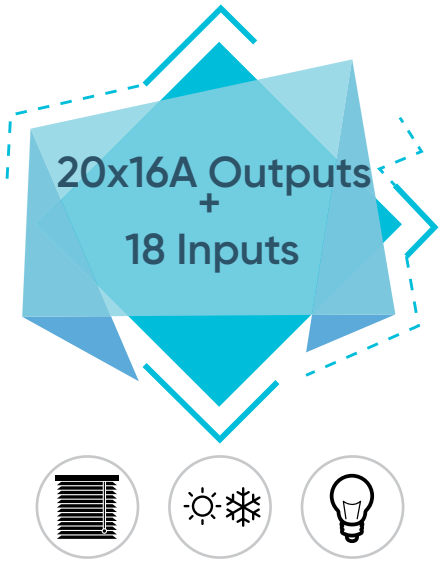
Ordering Information

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 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

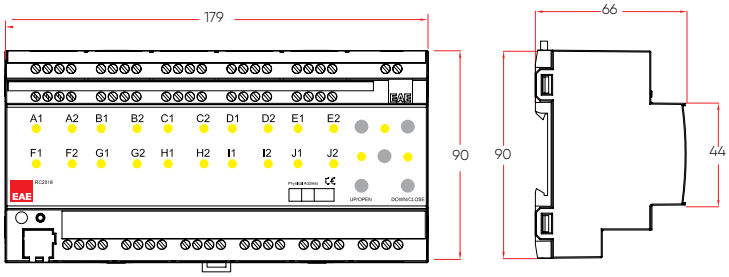
- Suitable for switching resistive, capacitive and inductive loads as well as fluorescent lamp loads according to EN 60 669. As a switch output device provides following function list,
  - Staircase
  - External logic
  - Internal logic
  - Priority
  - Threshold
  - Operating hour
  - Sweep

- 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

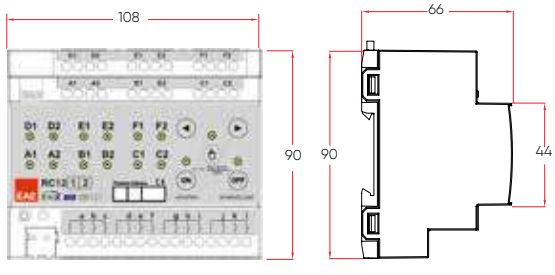
- Manual control is possible for each channel through the built-in button panel.

- 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 Current consumption	21V... 30V DC, SELV < 10 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	Number Switching voltage Switching capacity 250V AC Maximum switching power Mechanical life	20 output (RCU2012, RCU2000) 250V AC; 50/60 Hz 16A / AC 1 4000 VA > 1 x 10^6
Type of contact	potential-free, bistable	
Input	Number Scanning voltage Current Cable length	18 binary inputs 32V pulsed 0.1 mA <300 m
Installation	35mm mounting rail	EN 60 715
Operating elements	LED (red) and button	For physical address
Temperature range	Ambient Storage	-5° C + 45° C -25° C + 55° C
Humidity	max. air humidity	85 % no moisture condensation
Dimensions	 Width W in mm Width W in units (18 mm modules)	66 x W x 90mm 180 mm 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 254	Number of addresses(max) assignments(max) 255	Number of 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, Fan-coil, Switch, Blind actuator	SMP RCU0800 EAE S-KNX	48127	1 unit

SW104/SW108

EAE KNX SWITCH ACTUATOR

500A
Inrush Current
Switching

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.

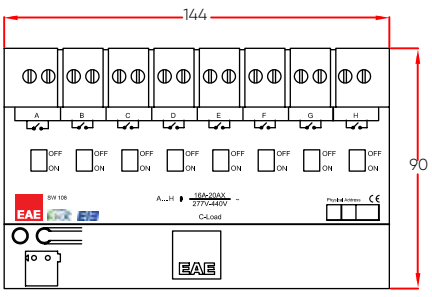
- The following functions can be defined separately for each channel:
  - Stair function
  - External logic
  - Internal logic
  - Priority function
  - Threshold function
  - Transaction time
  - Sweeping function.

- Does not need an external power supply

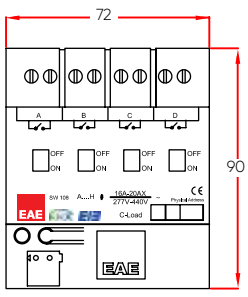
- The current on/off situations can be arranged by means of ETS parameters.

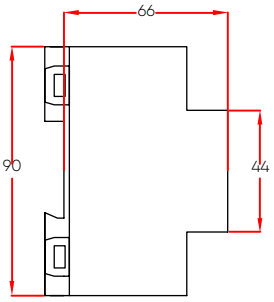
Dimensions (mm):

SW108 Dimensios



SW104 Dimensios





Technical Information

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Feed	Voltage range 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	Number of output units Switching current Switching capacity 277 V AC Fluorescent Lighting EN 60 699-1	8 units 277/440 AC; 50/60 Hz 16A / AC 1 16AX/250 VAC (200°F)
Relay	Mechanic Life	> 3 x 10^6
Contact type	Bistable, dry contact	
Configuration	35 mm mounting rail	EN 60 715
Operating Elements	LED (Red) and button	Used for physical address
Operating Temperature	Operation Storage Transportation	- 5°C +45°C -25°C +55°C -25°C +70°C
Humidity	Maximum humidity	95% no condensation
Dimensions	SW108 - 60 x 144 x 89 mm	SW104 - 60 x 72 x 89 mm
Weight	0,45 kg	
Box	Plastic, poly-carbon, gray	
CE	Pursuant to EMC Guide and Low Current Regulation	

Application Program	Communication objects	Max. Group Addresses matches	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

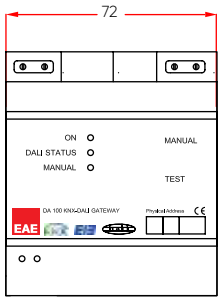
DA100

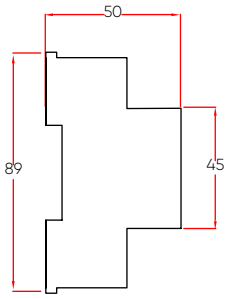
EAE KNX-DALI GATEWAY (16 Group Control)

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

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
KNX Feed	Voltage range Current consumption	21 - 30V DC, SELV < 10mA
External Feed	Voltage range Power Consumption Current consumption	85 - 300V AC @ 50-60Hz ≤ 8W 100mA @ 85V AC
DALI Feed	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	Number 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)
Operating Temperature	Operation Storage Transportation	5°C +45°C -25°C +55°C -25°C +70°C
Humidity	Maximum humidity	95% no condensation
Dimensions	 Width W (mm) Width W (unit)	70 x G x 91mm 69mm 4 modules (18 mm module)
Weight		0.15 kg
Box	Plastic, Policarbon, Grey	
CE	Pursuant to EMC Guide and Low Current Regulation	
Application Program	Communication objects 249	Max. Group Addresses Max. no. of matches 254 255

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).

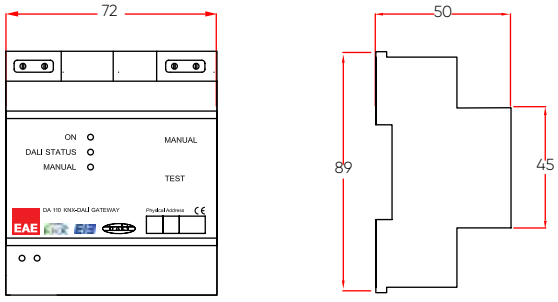
• The operations such as addressing, grouping, etc. of DALI devices are performed by means of Windows based DALI commissioning software (EAE DALI Commissioning Tool).

• 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

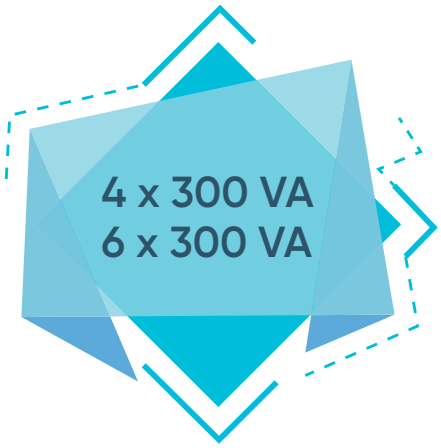
Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
KNX Feed	Voltage range Current consumption	21 - 30V DC, SELV < 10mA
External Feed	Voltage range Power Consumption Current consumption	85 - 300V AC @ 50-60Hz ≤ 8W 100mA @ 85V AC
DALI Feed	Voltage range Current consumption	16V DC ~ ≤ 200mA
Connections	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	Number 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)
Operating Temperature	Operation Storage Transportation	5°C +45°C -25°C +55°C -25°C +70°C
Humidity	Maximum humidity	95% no condensation
Dimensions	 Width W (mm) Width W (unit)	70 x G x 91mm 69mm 4 modules (18 mm module)
Weight		0.15 kg
Box	Plastic, Policarbon, Grey	
CE	Pursuant to EMC Guide and Low Current Regulation	
Application Program	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

UD104 / UD106

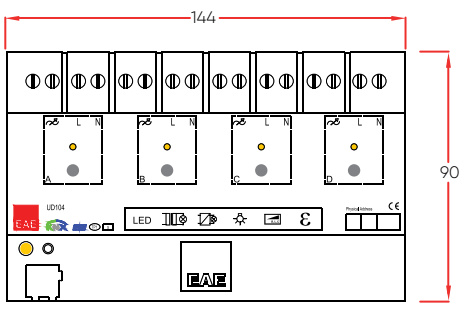
EAE KNX UNIVERSAL DIM MODULE

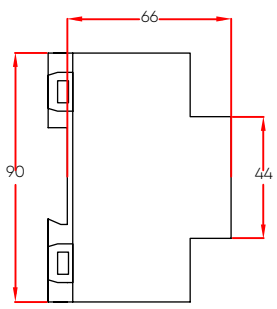


General Specifications

- 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

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Feed	Voltage range Current consumption	21 - 30V DC, SELV < 20mA
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 0.78 Nm Bus connect terminal
Dim Output	Number Voltage Range Switching Power	6 Outputs (can be used in parallel) 0...300VAC; 50/60Hz 350W / 300VA (1x1500VA)
Type of Load	Incandescent lamps Halogen lamps Inductive transformers Electronic drivers Phase dimmable electronic drivers Dimmable LED lamps Dimmable fluorescent lamps	
Installation	35mm mounting rail	EN 60715
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	95 % no moisture condensation
Dimensions	 Width W in mm Width W in units (18 mm modules)	66,5 x W x 89mm 162 mm 9 modules
Weight	0,3 kg	
Box	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC, LVD and RoHS directives	

SD110

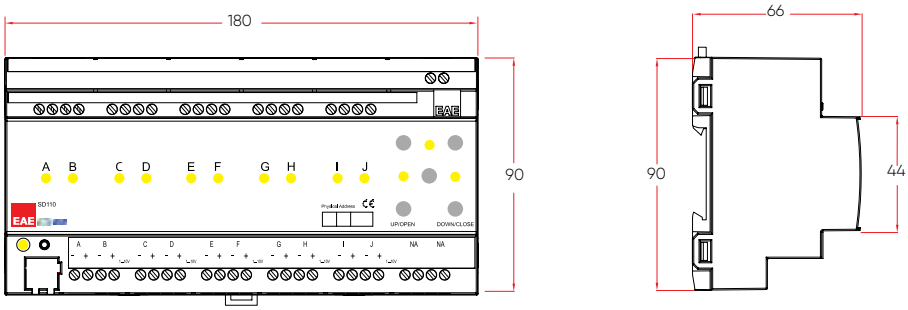
EAE KNX 1-10V DIM ACTUATOR

10 x 16A
1-10V
Dim Actuator

General Specifications

- 10 independent channels that can be parameterized via 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

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Feed	Voltage range	21 - 30V DC, SELV
	Current consumption	< 20mA
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	0.5 Nm
	KNX Terminal	Bus connect terminal
Dim Output	Number	Max 10 Outputs
	Signal	1-10V DC for dimming control
	Current Limit	30 mA per channel
Relay Output	Number	Max 10 Outputs
	Maximum switching power	4000 VA
	Mechanical life	> 1 x 10^5
	Switching current	16A (10 AX)
	Switching Voltage	250 VAC; 50/60 Hz
	Switching capacitive load	200°F
Type of contact	Potential-free, bistable	
Installation	35mm mounting rail	EN 60715
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	95 % no moisture condensation
Dimensions	Width W in mm	66 x W x 90mm
	Width W in units (18 mm modules)	180 mm
Weight	0,5 kg	10 modules
Box	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC, LVD and RoHS directives	
Application Program	Communication objects	Number of addresses(max) Number of assignments(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 x3 (Relay 16A)
  - Fan Speed Output x1 (0-10 V Signal)
  - Valve Control Output x4 (Triac 0.5A)
  - Valve Control Output x2 (0-10 V Signal)
  - 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)

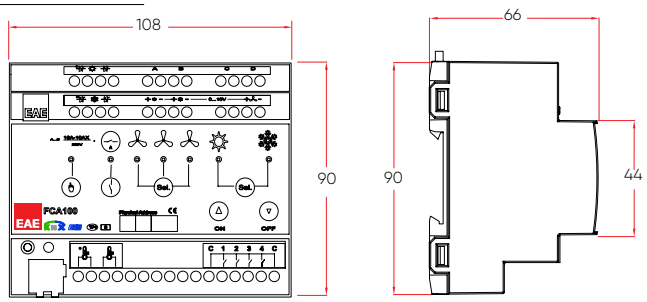
- Device has 4 independent input channels. Input channel operates as well as universal interface with following functions,
  - Switch / push button sensor
  - Dew-point sensor
  - Window sensor

- 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 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	Number	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	Number	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	35mm 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	Ambient Storage	-5° C + 45° C -25° C + 55° C
Humidity	max. air humidity	85 % no moisture condensation
Dimensions	Width W in mm Width W in units (18 mm modules)	66 x W x 90mm 108 mm
Weight	0.395 kg	6 modules
Box	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC guideline and low voltage	

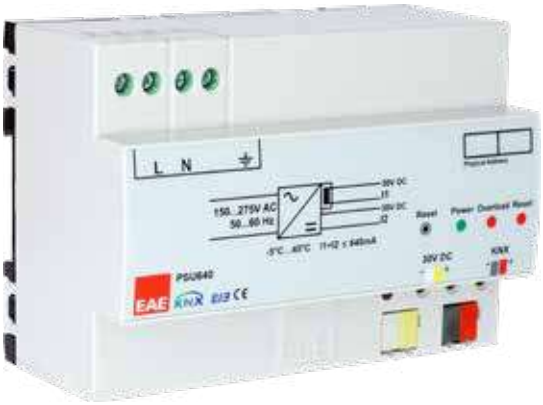
Application program	Communication objects	Number of addresses(max)	Number of assignments(max)
	41	255	255

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

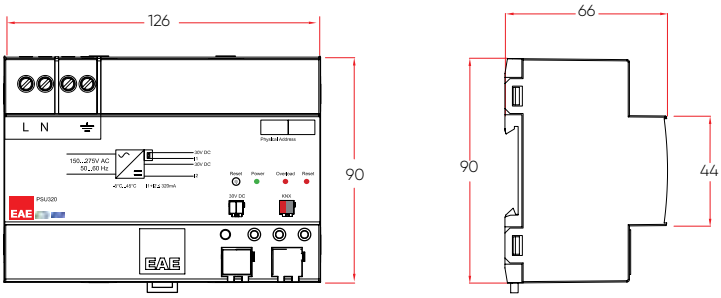


Additional 30V DC Output

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 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 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 60 715
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	Ambient Storage	-5° C + 45° C -25° C + 55° C
Humidity	Max. air humidity	95 % no moisture condensation
Dimensions	 Width G (mm) Width G (unit)	60 x W x 90 mm 126 mm 7 module (18 mm module)
Weight	PS320 PS640	0.28 kg 0,29 kg
Box	Plastic, polycarbonate, colour 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

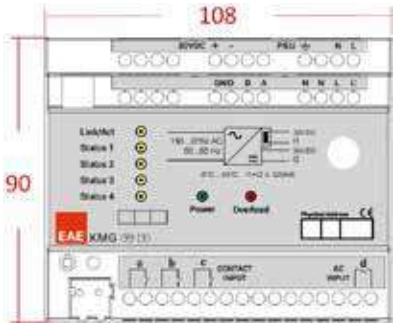
EAE KNX MODBUS GATEWAY

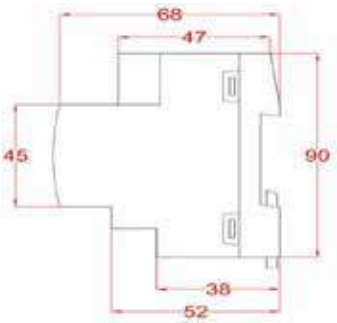
Power Supply
Modbus TCP Router
Logic Functions
are Included

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)



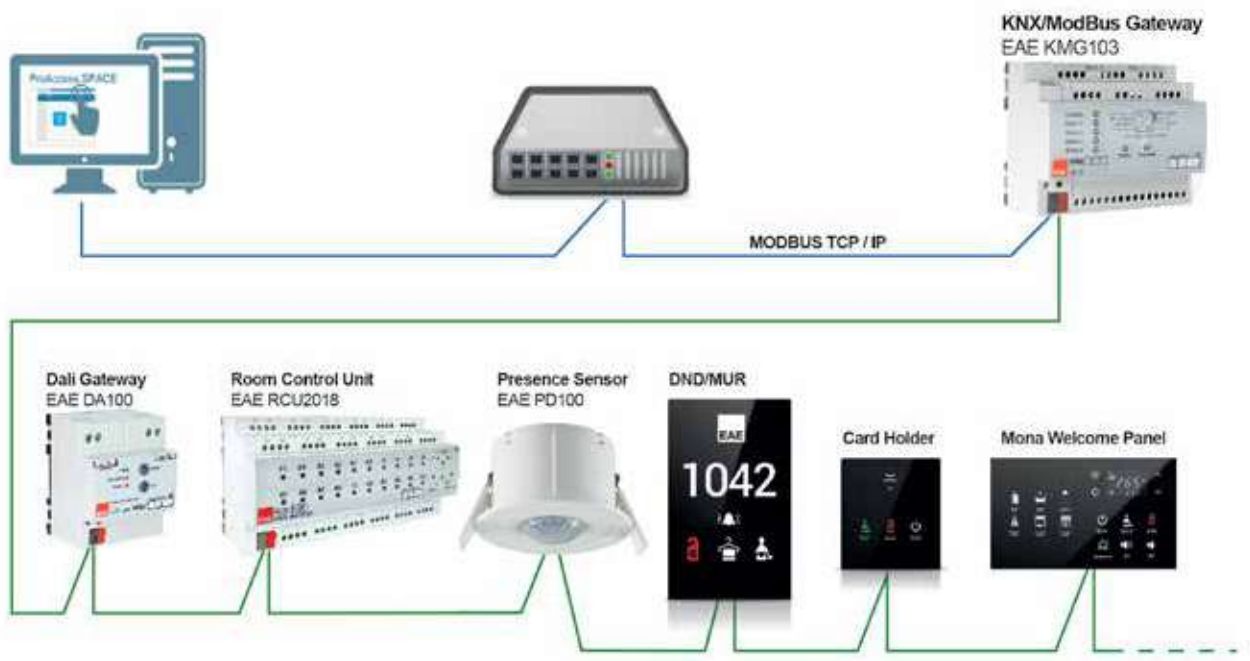


Technical Information

Type of Protection	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	Satatus 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 maisture condensation
Dimensions	H x W x D	90mm x W x 70mm
Weight	66g	
Box	Plastic PA66 housing gry	
CE	in accordance with EMC and low voltage guidelines Device complies with, EN 50090-2-2, IEC 60664-1	

Ordering Information

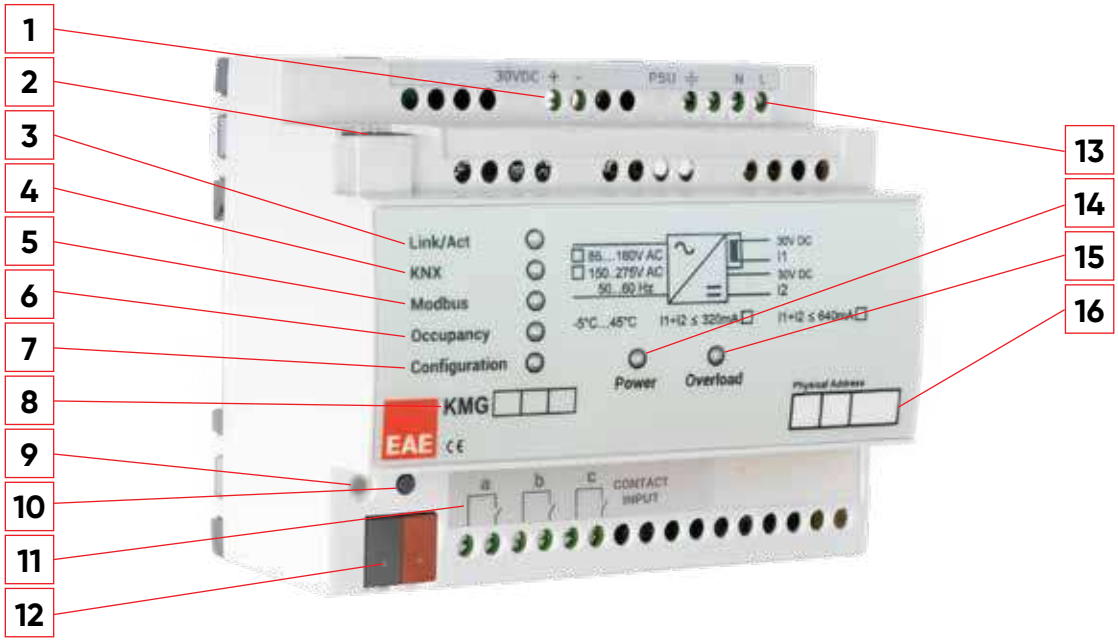
Product Name	Product Code	Ordering Code	Package Information
EAE KNX Modbus Gateway	SMP KMG103 EAE S-KNX (320mA)	48198	1 unit



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.
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.

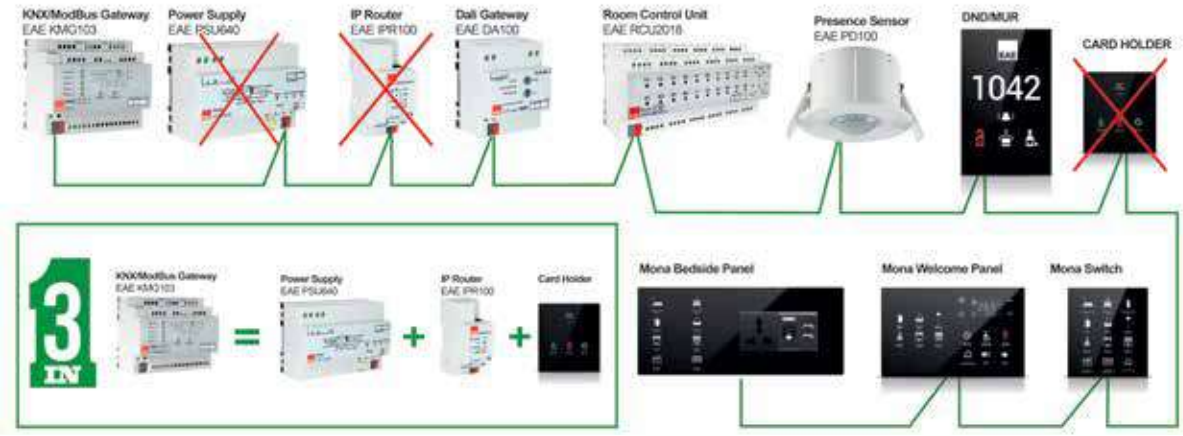
3. Leave Scene

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.

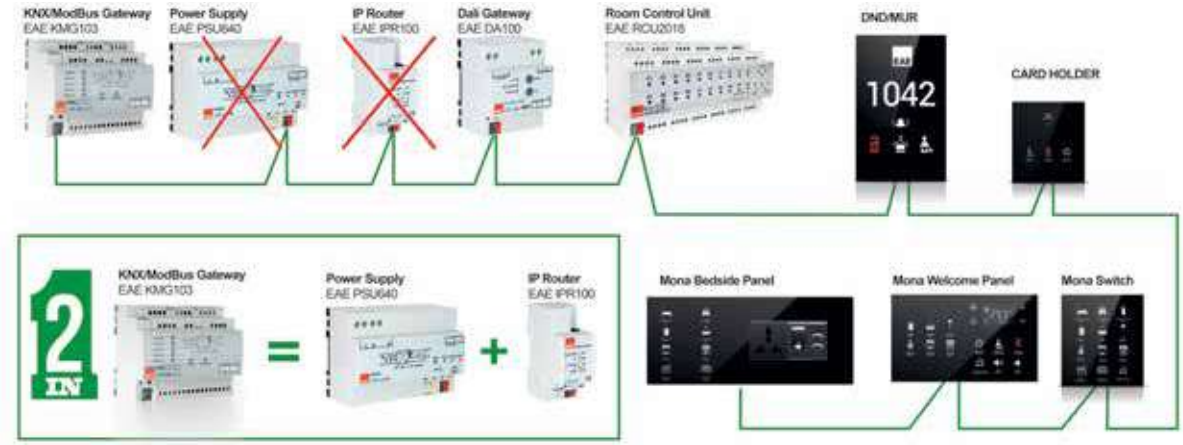
4. Check in / out Scene

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

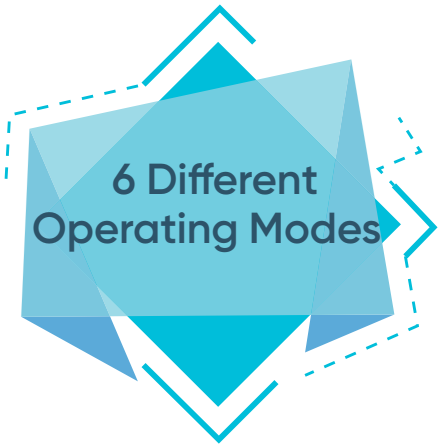


GRMS Solution with using Card Holder



UI108

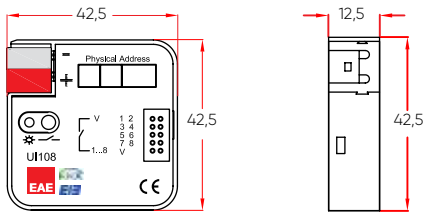
EAE KNX-UNIVERSAL INTERFACE



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

Feed	Voltage range Current consumption	21 - 30V DC, KNX Line < 10mA	
Inputs	Number 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	
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		
Box	Plastic, poly-carbon, gray		
CE	Pursuant to EMC Guide and Low Current Regulation		
Application Program	Communication objects 56	Max. Group Addresses 254	Max. no. of matches 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

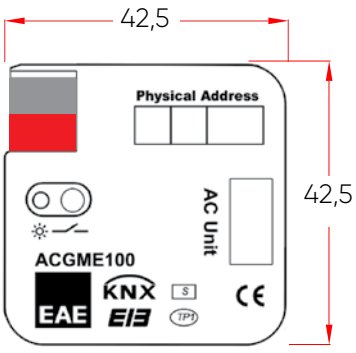
EAE KNX-MITSUBISHI ELECTRIC AC GATEWAY

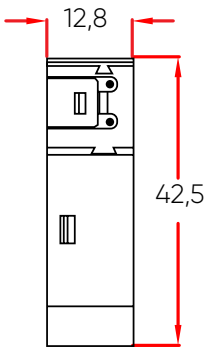
- Easy to Setup
- Two-way communication
- Energy efficiency

General Specifications

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

Dimensions (mm)





Technical Information

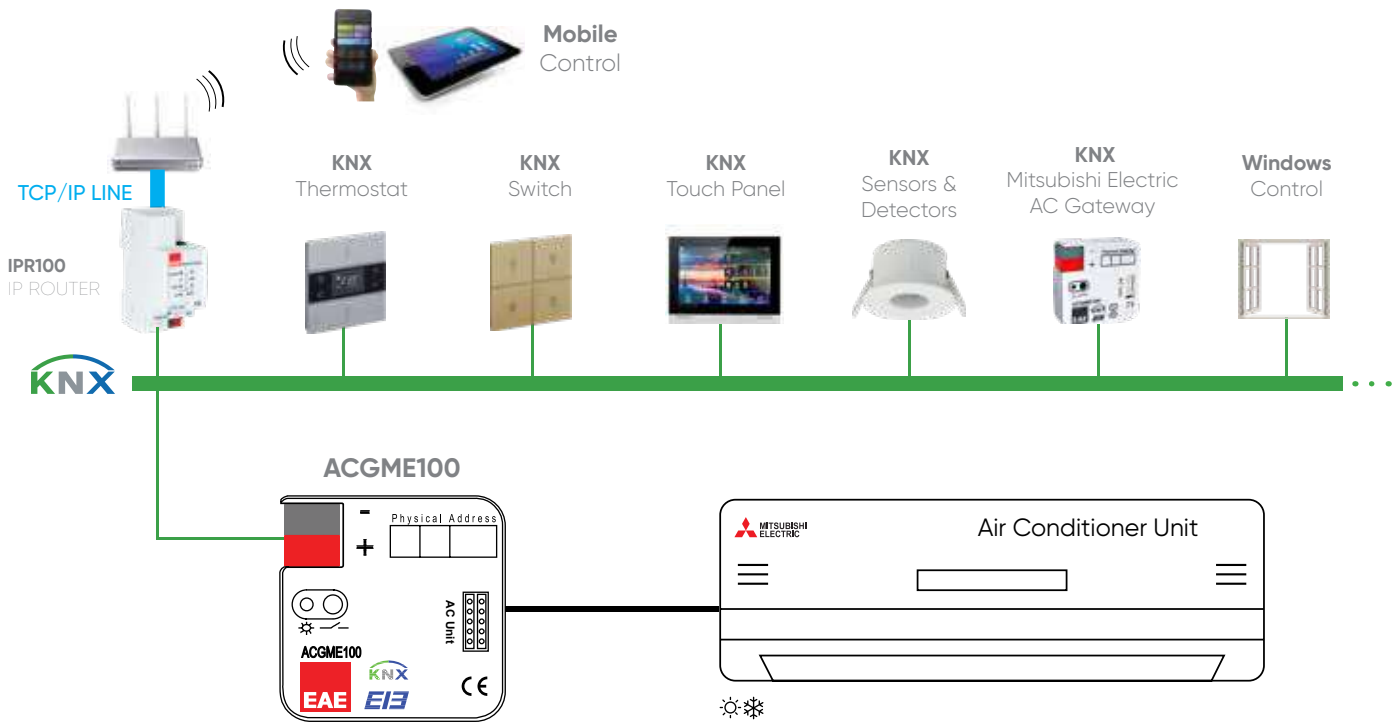
Safety Rating	IP20	EN 60 529
Safety Class	II	EN 61 140
Power supply	Voltage	22V... 30V DC, via the KNX bus
	Current draw from bus voltage	≤10mA
AC Com Port	Cable length	≤3 m
Operating elements	LED (red) and button	For physical address
Temperature range	Ambient	-5° C + 45° C
	Storage	-25° C + 55° C
Humidity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

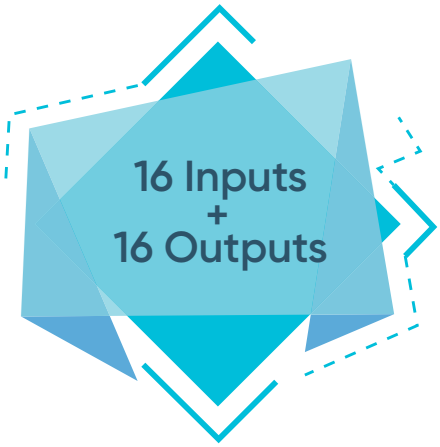
Easy Installation And Integration

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

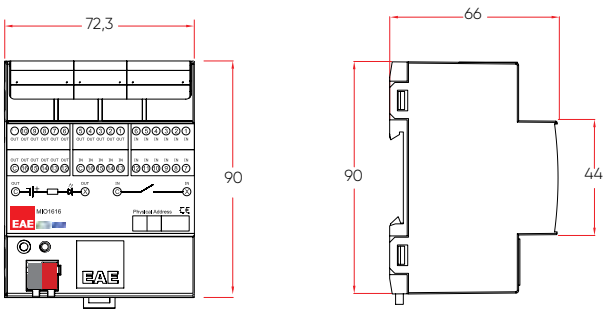
EAE KNX - MULTI INPUT/OUTPUT



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 - Current draw from bus voltage	21V... 30V DC, KNX Line <10 mA
Inputs	- Number - Maximum cable length	16 inputs <10 m
Input	- Scanning voltage - Input current	5V DC 0.5 mA
Outputs	- Number - 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	- Ambient - Storage	-5° C + 45° C -25° C + 55° C
Humidity	- max. air humidity	95 % no moisture condensation
Dimensions	 Width W in (mm) Width W in units (18 mm modules)	65,5 x G x 89mm 72 mm 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 Number of addresses (max) Number of assignments (max)	144 255 255

Ordering Information

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

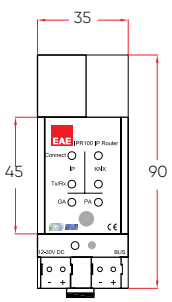
IPR100 / IPI100

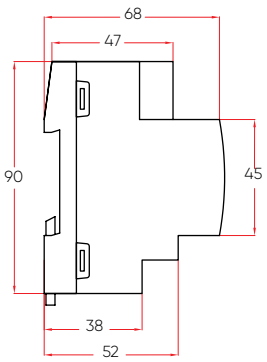
EAE KNX-IP ROUTER / IP INTERFACE

General Specifications (IPR100)

- EAE KNX IP router may be used as line or backbone coupler and ensures data connection between KNXnet/IP on top and TP KNX bus line at bottom. Moreover it also ensures electrical insulation between the linked lines.
- EAE KNX IP router is a tunneling and routing device. It establishes ETS connection points to start-up and monitor lines with the IP router channeling protocol. (It also possible to simultaneously create 4 KNXnet/IP connections).
- The device makes it possible to connect to two different KNX installations, and ensures the transmission of telegrams between the local network and different lines.
- IP address of the device may be assigned by DHCP server or by manual configuration.
- It can either block or transmit the telegrams between KNX line and IP medium based on the settings in the device filter table.
- It is possible to close without reconfiguring the ETS parameters of filter table for quick diagnosis thanks to the button on the device.
- After the filter of the routing table and filter table ETS configurable time of the device expires, it may be automatically started up.
- The detailed information is shown with 6 LED in order to define the operating status.

Dimensions (mm)





Technical Information (IPR100)

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Power source	Feed voltage Bus Current traction through KNX Current traction Power consumption	DC 24 V (12V... 30V DC) DC 21...30V SELV Type 5 mA Type 190 mA Type 520 mW, max 800 mW
Connections	IP Line	RJ45 socket for 10/100Base T, IEEE 802.3 networks
Screen components	KNX Line Power LED LAN-OK LED LAN-RX/TX LED Programming mode LED	Bus connection terminal Malfunction LED KNX-OK LED KNX-RX/TX LED
Operating components	Function button Programming button	
Installation	35mm DIN rail mounting	EN 60 715 TH 35-75
High Voltage Class	III	IEC 60664-1
Temperature range	Operation	-5 °C + 45 °C no humidity
	Storage	-20 °C + 60 °C
Humidity		5% to 93% no humidity
Measurements	(H x W x D)	90 mm x W x 70 mm
Weight	Width is in W mm	36 mm
Package / Color	Width is in W units (18 mm module)	2 modules
CE	66 g	Installed in 64 mm of depth
	Plastic PA66 / Gray	
	Complies with EMC and low voltage rules. The device is compliant with EN 50090-2-2 and IEC 60664-1 a	

Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE IPR100 KNX-IP Router	SMP IPR100 EAE S-KNX	48015	1 unit
EAE IPI100 KNX-IP Gateway	SMP IPI100 EAE S-KNX	48088	1 unit

LC100

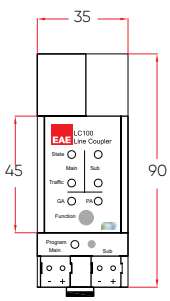
EAE KNX-LINE COUPLER

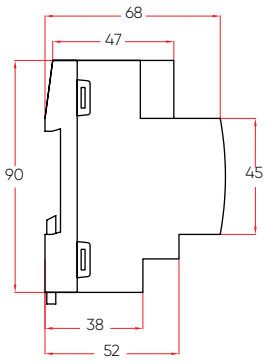
Temporary disabling of routing filter via button

General Specifications

- Built-in filter tables for group-oriented communication
- Support of long messages up to 240 bytes APDU length
- ETS4 & ETS5 support
- Galvanic isolation between KNX lines
- Flexibility to be used as line coupler, area coupler or as a backbone coupler
- Does not require an additional power supply

Dimensions (mm)





Technical Information

Type of protection	IP 20	EN 60529
Safety class	II	EN 61140
Power supply	Voltage Current consumption	21V... 30V DC, SELV < 30 mA
Connections	KNX Mainline KNX Subline	KNX TP connector (red/black), screwless for single-core cable 0.6..0.8mm KNX TP connector (red/black), screwless for single-core cable 0.6..0.8mm
Installation	35mm mounting rail	EN 60715
Operating elements	Function and Program Buttons	
Temperature range	Ambient Storage	-5° C + 45° C -20° C + 60° C
Humidity	max. air humidity	93 % no moisture condensation
Dimensions	(H x W x D) Mounting dept	94 mm x 36 x 71 mm 64 mm
Weight	66 gr.	
Box	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC, LVD and RoHS directives	

Ordering Information

Product Name	Product Code	Ordering Code	Package Information
EAE KNX - Line Coupler	SMP LC100 EAE S-KNX	48074	1 unit

SWITCHES

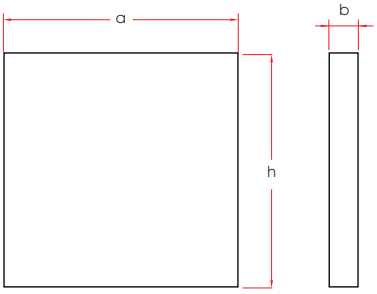
General Specifications

- 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
  - Single to 4 fold for Rosa Solid Serie
  - 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,
  - Value,
  - Dimming,
  - Scene Control,
  - Shutter/Blind 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 Guied and Low Voltage Regulation	

Dimensions (mm)



mona

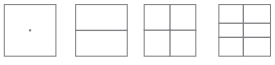
Type	a	b	h
Single	90	11	100

rosa solid

Type	a	b	h
1 Fold Switch	80	8,5	80

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



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

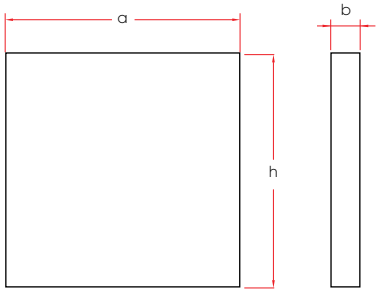
General Specifications

- Can be configured with ETS5
- 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 Guied and Low Voltage Regulation	

Dimensions (mm)



mona

Type	a	b	h
Single	90	11	100

rosa solid

Type	a	b	h
1 Fold Thermostat	80	8,5	80

rosa

Type	a	b	h
1 Fold Thermostat	80	8,5	80
2 Fold Thermostat	80	8,5	80

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.

SOME OF OUR **REFERENCES**

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

7th MAIN JET BASE COMMAND
Malatya

THY SIMULATION BUILDING
Istanbul

ORD. PROF. DR. SULHI DONMEZER EDUCATION CENTER
Istanbul

PTT INTERNATIONAL CARGO PROCESSING CENTER
Istanbul

TECHNOPARK
Istanbul

SOCIAL SECURITY CORPORATE BUILDING
Kayseri

SOCIAL SECURITY CORPORATE BUILDING
Elazig

DICLE ELECTRIC A.S.
Diyarbakir

DISASTER and EMERGENCY MANAGEMENT CENTER
Erzincan

DISASTER and EMERGENCY MANAGEMENT CENTER
Kahramanmaras

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ATATÜRK KÜLTÜR MERKEZİ BAŞKANLIĞI
ATATURK CULTURAL CENTER
Istanbul

HAVELSAN
HAVELSAN CENTRAL BUILDING
Ankara

ETiMADEN for life
ETI MADEN ENTERPRISES
Ankara

TURKCELL
TURKCELL DATA CENTER
Ankara- Corlu-Gebze

kalyon
KALYON HOLDING GENERAL CENTER
Istanbul

YDA center
YDA BUSINESS CENTER
Ankara

LIBRARY OF NATIONAL DEFENCE UNIVERSITY
Istanbul

WAR VETERANS REHABILITION CENTER
Ankara

DSI DEVLET SU İŞLERİ GENEL MÜDÜRLÜĞÜ
DSI ADMINISTRATIVE BUILDING
Izmir

NUN
BEYKOZ NUN SCHOOLS
Istanbul

İSTANBUL MEDENİYET ÜNİVERSİTESİ
MEDENIYET UNIVERSITY LIBRARY & B BLOCK
Istanbul

MARMARA UNIVERSITY
Istanbul

ÖZYEĞİN ÜNİVERSİTESİ
OZYEGIN UNIVERSITY
Istanbul

Nesibe Aydın Eğitim Kurumları
NESIBE AYDIN EDUCATIONAL INSTUTIONS
Ankara

ALTINBAŞ ÜNİVERSİTESİ
ALTINBAS UNIVERSITY
Istanbul

GONDAR UNIVERSITY
Ethiopia

REFERENCES

SENEGAL STADYUMU
Senegal

ERYAMAN STADIUM
Ankara

CEMAL KAMACI SPORT COMPLEX
Istanbul

TOP INTERIEUR FURNITURE
Belgium

PHILIP MORRIS FACTORY
Kazakhistan

KALYON SOLAR TECHNOLOGIES FACTORY
Ankara

TTT AUTOMOTIVE
Konya

TEKFEN HOLDING ARCHIVE BUILDING
Adana

NUR SULTAN MOSQUE
Kazakhistan

NAZARBAYEV CENTRE
Kazakhistan

TURK TRACTOR
Sakarya - Ankara

UNIPRES
UK

KUTAHYA CERAMIC
Kutahya

BSH
Cerkezkoy

BAKÜ TOWER 109
Azerbaijan

KORDSA FACTORY
Kocaeli

REFERENCES

RONESANS HILLTOWN AVM
Izmir

TEM POINT MALL
Istanbul

VEGA MALL SUBAYEVLERI
Ankara

NEV CARSI USKUDAR
Istanbul

TEI MOTORS
Eskisehir

MILAHA LOGISTIC
Qatar

GENERAL DIRECTORATE OF HIGHWAYS BUILDING
Ankara

EKOL LOGISTIC
Kocaeli

ANKARA IS GYO TOWER
Ankara

REPKON FACTORY
Istanbul

CAYKUR RIZE FACTORY
Rize

MERCEDES BENZ FACTORY
Aksaray

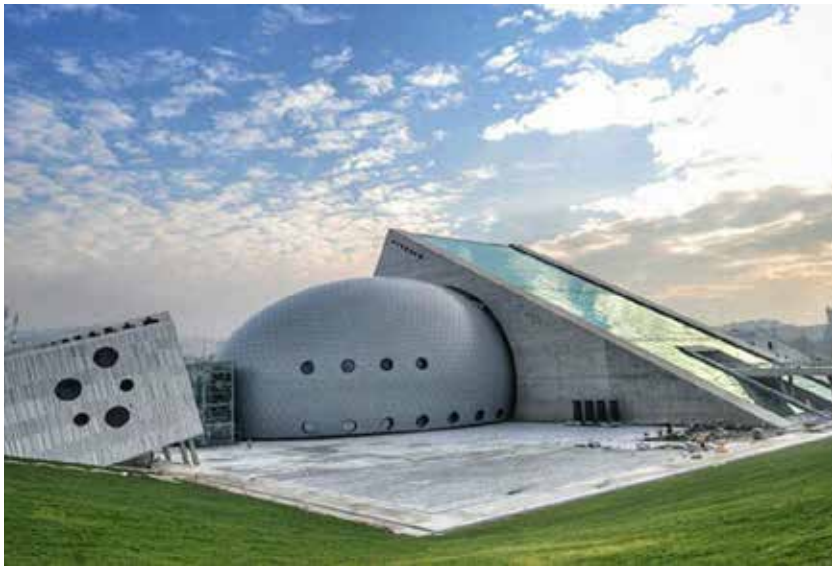
TURK TELEKOM BUILDING
Istanbul-Umraniye

ZIRAAT BANK DATA CENTER
Istanbul

SISECAM FACTORY
Eskisehir-Ankara

HAS ÇELİK FACTORY
Kayseri

REFERENCES



PRESIDENCY
SYMPHONY ORCHESTRA
Ankara

PRESIDENCY
AHLAT COMPLEX
Bitlis

COMMUNICATION
PRESIDENCY OF TURKEY
Ankara

EMLAK PARTICIPATION
BANK BUILDING & ILBANK
REGIONAL DIRECTORATE
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BURSA REGIONAL COURT
OF JUSTICE
Bursa

SUPREME ELECTION
BOARD BUILDING
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ALANYA COURTHOUSE
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ERDEMLI COURTHOUSE
Mersin

ADIYAMAN GOVERMENT
HOUSE
Adiyaman

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Sivas

MINISTRY OF YOUTH AND
SPORT BUILDING
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BUILDING
Canakkale

DULKADIROGLU
MUNICIPALITY BUILDING
Kahramanmaras

GUNGOREN MUNICIPALITY
BUILDING
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BAGCILAR MUNICIPALITY
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Istanbul

REFERENCES

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TURKISH AIRLINES BUILDINGS
Istanbul

RIZE-ARTVIN AIRPORT
Rize-Artvin

PARLIAMENT BUILDING
Uzbekistan

CBI BANK
UAE

30th YEAR MONUMENT
Uzbekistan

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Turkey

LC WAIKIKI STORES IN TURKEY
Turkey

BORSA ISTANBUL DATA CENTER
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ANDAC AUTOMOTIVE
Izmir

ASELSAN GOLBASI & AKYURT NURSERY BUILDINGS
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TECHNOPARK 3rd STAGE B BLOCK
Istanbul

TECHNOPARK A BLOCK
Istanbul

IZMIR GAS BUILDING
Izmir

TOKAT AIRPORT
Tokat

SENEGAL TURKISH EMBASSY BUILDING
Africa

HADIMKOY PEOPLE BREAD
Istanbul

NOKIA OFFICE
Istanbul

REFERENCES

DR. LUTFI KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL
Istanbul

TEKIRDAG CITY HOSPITAL
Tekirdag

KOCAELI CITY HOSPITAL
Kocaeli

IZMIR CITY HOSPITAL
Izmir

ERZURUM CITY HOSPITAL
Erzurum

GIRESUN CITY HOSPITAL
Giresun

SIVAS SAMPLE HOSPITAL
Sivas

MAMAK HOSPITAL
Ankara

KONYA SAMPLE HOSPITAL
Konya

TARSUS PUBLIC HOSPITAL
Mersin

HATAY DORTYOL HOSPITAL
Hatay

SAKARYA WOMEN AND MATERNITY HOSPITAL
Sakarya

AGRI PUBLIC HOSPITAL
Agri

TAKSIM FIRST AID HOSPITAL
Istanbul

MEDICANA HOSPITAL
Izmir

ALGERIA HOSPITAL PARKING LOT COMPLEX
Algeria

REFERENCES

ACIBADEM ATASEHIR HOSPITAL AND HEADQUARTERS BUILDING
Istanbul

ACIBADEM ADANA HOSPITAL
Adana

ABDI IBRAHIM MEDICINE FACTORY
Istanbul

EAE ELECTRIC BUSBAR FACTORY
Kocaeli

EAE ELECTRIC CABLE DUCT FACTORY
Kocaeli

EAE LIGHTING FACTORY
Kocaeli

FORD V710 - SPECIAL VEHICLE AREA
Istanbul

TOFAS BODY LINE FACTORY
Istanbul

NIZIP PUBLIC HOSPITAL
Gaziantep

BILECIK BOZOYUK PUBLIC HOSPITAL
Bilecik

MALATYA BATTALGAZI PUBLIC HOSPITAL
Malatya

YILDIZ PUL FACTORY
Konya

OYAK PORT PORT
Kocaeli

ALSANCAK STADIUM
Izmir

DUDULLU BOSTANCI SUBWAY LINE
Istanbul

AYDINLI GROUP
Istanbul

REFERENCES

FOLKART VEGA
Izmir

MESA DEMIRBUKU
Bodrum

FOLKART BOYALIK
Izmir

BODRUM NEF GOLKOY
Bodrum

ALTOWER
Istanbul

MESA CUBUKLU 28
Istanbul

VADIKORU RESIDENCE
Istanbul

ROUTE ISTANBUL
Istanbul

CENTRAL BALAT RESIDENCE
Bursa

BONNEVILLE MIHRAPLI
Bursa

BRODSKY APARTMENT
Russia

GAYDA ATASEHIR
Izmir

BALANCE GUNESLI
Istanbul

DIA BELLA
Istanbul

MOTTO TERRACE GARDEN
Konya

MANDARIN VILLAS
Canakkale

IS CADDE GYO
Istanbul

REFERENCES

ST REGIS RESIDENCE
Oman

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

PUKKA MARE/NETA
Mugla

NAMET BEYLERBEYI
Istanbul

TREEHOME RESIDENCE
Sanliurfa

KECIOREN APARTMENTS
Ankara

PERA MOGAN
Ankara

MERYAKA RESIDENCE
Konya

FLORYA MAX ROYAL
Adana

REFERENCES

Le MERIDIEN MARRIOTT HOTEL
Tbilisi

AUTOGRAPH COLLECTION MARRIOTT
Istanbul

MARRIOTT SIRKECI HOTEL
İstanbul

NG PHASELIS BAY HOTEL
Antalya

MILLENNIUM WEST HOTEL
Istanbul

THE OBA HOTEL
Bodrum

RADISSON HOTEL
Izmir

RADISSON BLUE HOTEL
India

MABIN HURA MALDIVES
Maldives

GURDAL HOTEL
Istanbul

GRAND HOTEL
Niger

TFF RIVA HOTEL
Istanbul

NAU HOTEL
Portugal

GRAND GALATA HOTEL
Istanbul

KARAVANSARAY COMPLEX
Kazakhistan

STAR CITY HOTEL
Greece

REFERENCES

RIXOS PREMIUM BODRUM
Mugla

RIXOS PREMIUM DUBAI
UAE

HILTON SIRKECI HOTEL
Istanbul

VASQ HOTEL
Mauritania

CIELO HOTEL
Qatar

BENIN SOFITEL HOTEL
Benin

MÖVENPICK HOTEL
UAE

SHERATON HOTEL
Senegal

ROTANA HOTEL
UAE

EMILY RESORT
Lviv

OYAK DRAGOS
Istanbul

CONDOR HOTEL
Romania

RAZELM RESORT
Romania

PEARL MARRAKECH HOTEL
Marrakech

PESTANA HOTEL
Casablanca

BRICK POINT HOTEL
Nigeria

INEMARE
Kirklareli

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