

EAE KNX Hotel-GRMS Solution provides maximum benefit and the best possible experience for users with a distinguished, elegant and modern design.

EAE's Hotel-GRMS Solution aims maximum safety for guests and investors, as well as provides saving energy thanks to the smart management of lighting, heating and cooling systems.

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.





EAE Hotel GRMS Solutions

All you need is EAE...

Every detail in a hotel should match the guest's expectations. The main purpose of EAE Hotel solution is to create a solution that meets all needs with comfort, aesthetics and elegance.

EAE Hotel Solution offers a complete view in a hotel for guests and staff with its technological, aesthetic and easy-to-use products.



- Card Holder
- Switch
- Thermostat
- Bedside Panels
- Welcome Panels





Comfort

Your guests will get used to comfort with scenarios that make life easier (such as sleep, movie, comfort mode).

- Lighting control
- Scene control
- Heating / cooling unit control

- Shutter / blind control
- Speaker control
- Easy communication with reception



Design

Combines elegance and aesthetics with user-friendly design.

- Aesthetic
- Initiative



Flexibility

Solutions can be developed according to your requests.

- %100 Configurable touch pads
- Different useage options to save energy



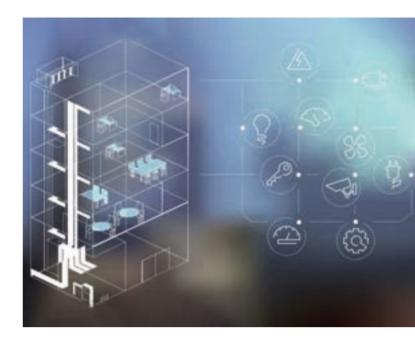
Integrations

- BMS Integration
- PMS Integration
- Door Lock System Integration

Integration into BMS Systems

The following platforms are easily integrated with EAE's KNX systems.

- BACnet
- Modbus
- · OPC
- LonWorks
- M-Bus





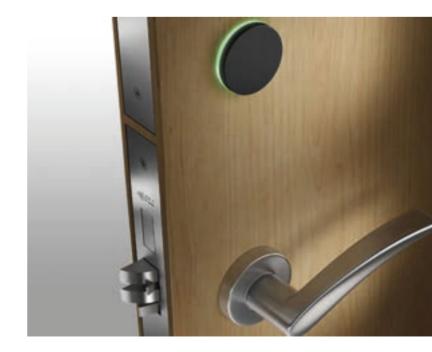
Integration into PMS Systems

The following platforms are easily integrated with EAE's GRMS systems.

- · Fidelio
- · Opera
- · OnQ
- Micros
- · Many others...

Integration with Door Lock Systems

It provides the integration of all physical security needs into an energy efficient and easy to manage system.





All you need is EAE...



Mona consist of user friendly elegant glass design.

It is suitable to be a part of your design with various color options.



Switches • ...

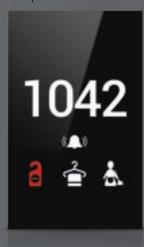


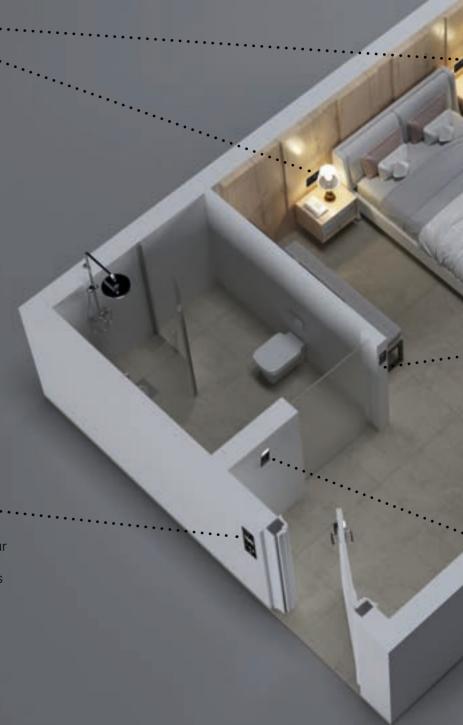
You can reach all scenario types . . from a single point with user-friendly usage. Various switch alternatives from 1 button to 12 buttons.

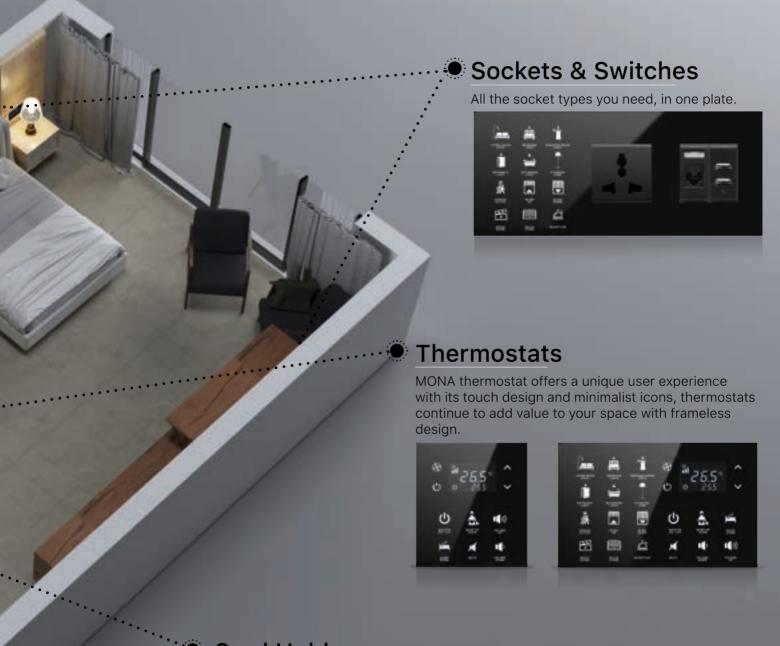


DND MUR

MONA DND MUR information display, where you can easily see whether your guests are in the room, consists of a 100% glass touch screen and includes room number, hotel logo, Laundry, DND, MUR and doorbell buttons.







Card Holders

MONA Card Holder makes the system able to turn off all electronic items that are left open when guests leave the room automatically.

Reads RF-ID Cards information in contactless.





The Mona series DND MUR display, where you can easily see whether your guests are in the room, consists of a glass touch screen and includes room number, hotel logo, Laundry, DND, MUR indicators and doorbell button.



Touch operated



Glass surface



Frameless, minimalist design



RGB LED option





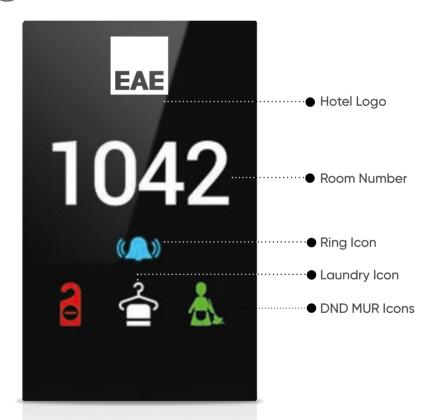
Icon options

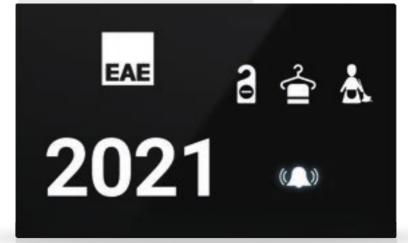


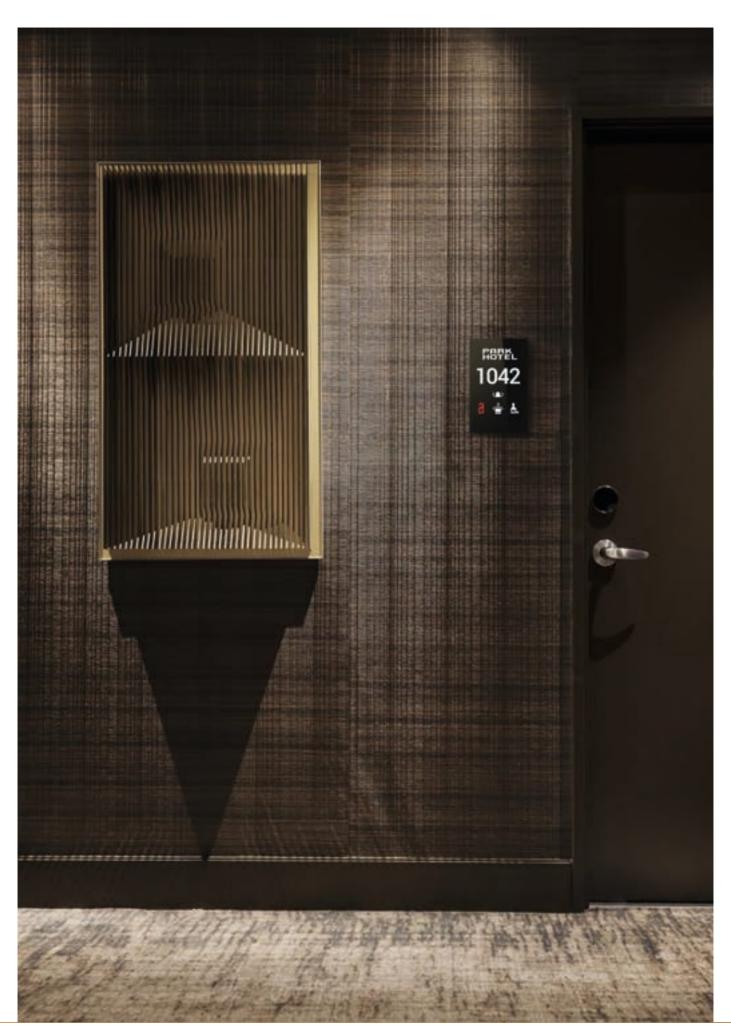
Various color option



IP65 option









edside Pane

Mona Serie offers %100 customizable, unique panels. You can create your own bedside panel through the configurator.



Touch operated



Glass surface



Switch and Socket together



Frameless, minimalist design



RGB LED option



Up to more than 5 combined monoblock modules



Icon options



Away, comfort, night and protection modes



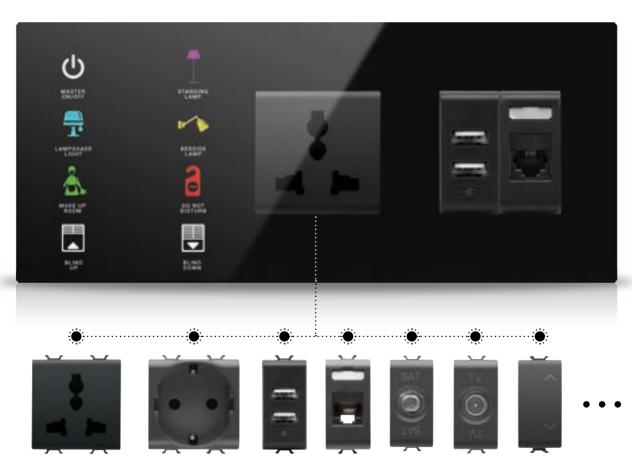
Independent programmable buttons



Various color option



Hundreds of different combinations.



All the socket options you need in one.







Welcome Panel

When entering or leaving your room, desired scenarios can be realized with a single touch, and you can experience safety and comfort together thanks to the RF-ID card holder you use at the entrances.

You can combine switches and thermostats with your energy saver. Guests will control many things through one single monoblock panel.



Touch operated



Glass surface



Switch and Card Holder together



Frameless, minimalist design



RGB LED option



Icon options



Away, comfort, night and protection modes



Independent programmable buttons



Various color option

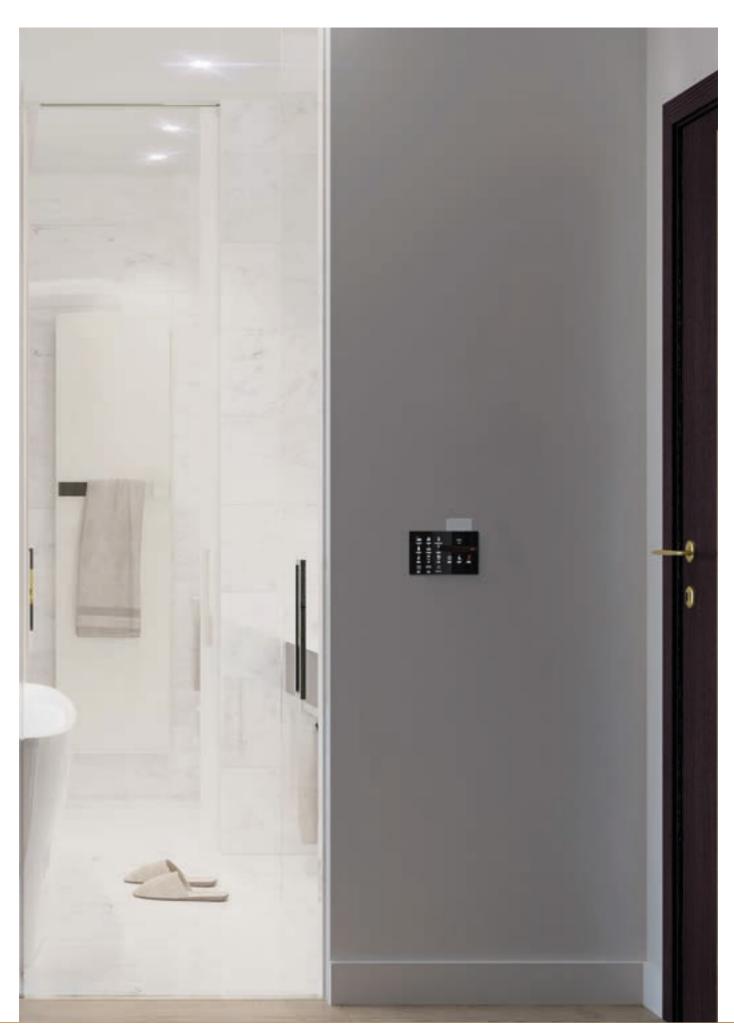


Different combination options











Thermostats

Mona thermostats continue to add value to your space with frameless design. Mona offers a unique user experience and intuitive operation with its touch operated design and minimalist icons.

Thermostats can be combined with switches and sockets as monoblock panels.



Touch operated



Glass surface



Switch and Card Holder together



Frameless, minimalist design



RGB LED option



Icon options



Away, comfort, night and protection modes



Independent programmable buttons



Various color option

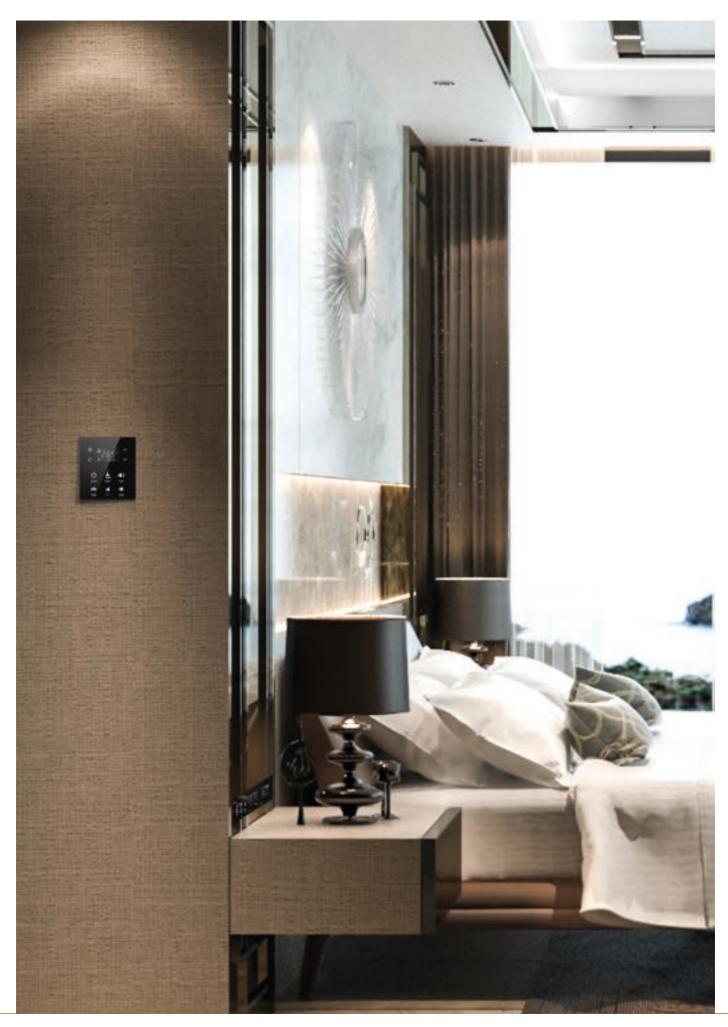


Combination with switches, card holders and sockets











Switches

Mona switches continue to add value to your space with frameless design. Mona offers a unique user experience and intuitive operation with its touch design and minimalist icons.

There are hundreds of combination options with thermostats, switches and sockets..



Touch operated



Glass surface



Switch and Card Holder together



Frameless, minimalist design



RGB LED option



Icon options



Independent programmable buttons



Various color option



Combination with switches, card holders and sockets













The Mona serie offers glass surface, minimalist design, wide collection up to 5 gang, wide range of colors.

BS standard, European standard and Modular standard sockets are compatible with Mona series.

MODULAR EUROPEAN SOCKETS



EUROPEAN SOCKETS



MODULAR BRITISH SOCKETS



BRITISH SOCKETS



MODULAR ITALIAN SOCKETS









German Standard Power Socket



SAT TV



SAT



TV

Buttons

Push

Data Socket

Telephone USB power Socket supply

USB Socket



Audio

Socket

Grounded Power Socket



2P+E - 13 A/250V ac - 15 A/127V ac

UPS Power Socket



2P+E - 13 A/250V ac - 15 A/127V ac

Child Proof





2P+E - 13 A/250V ac - 15 A/127V ac

Telephone Socket



Double RJ11

Telephone Socket



RJ11

Data



RJ45

SAT



British Standard Power Socket



2P+E-13A-250V ac



2P+E-15A-250V ac

SAT TV







TV



Push

1M-1P-NO+NO-10 A With interlock









USB

Socket



Double RCA

Audio

Socket

Power Socket



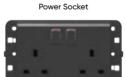
2P+E-13 A-250 V ac

Power Socket



2P+E-13 A-250 V ac Backlit





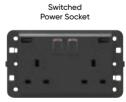
Switched

2P+E-13 A-250 V ac Twin

Switched Power Socket



2P+E-13 A-250 V ac Twin - Backlit



2P+E-13 A-250 V ac Twin - with USB

USB

Italian Standard Power Socket



2x2P+E-16A-250V ac



2P+E-10A-250V ac 2P+E-16A-250V ac



0 db

SAT TV

SAT



TV



Buttons

Push



Data

Telephone

USB power





Double RCA

Audio



Product Family (Some combination options)

DND MUR



Card Holder



Switch & Card Holder



Switch



Switch & Socket



Switch & Sockets



Thermostat



Thermostat & Switch



Thermostat & Switch & Socket



Variations

Switches

























Thermostats













Card Holders















Technical Specifications







KNX Thermostat Side (up to 6 buttons)

- Temperature adjustment on display
- Integrated temperature sensor (°C/°F)
- Fan speed adjustment (1, 2, 3, Auto)
- Different operation modes (Comfort, Night, Away, Protection)
- Fully automatic function mode (Heat Cool transition)
- Control flexibility for all HVAC units including VRF-VRV and AC
- PI proportional, PI PWM, Hysteresis, Fan coil, Split unit controls

KNX Switch Side (up to 12 buttons)

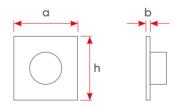
Independent configuration for each button

- Switching
- Dimming
- Blind Control
- · Value Transmitting
- · Scene Control

KNX Card Holder Side (up to 6 buttons)

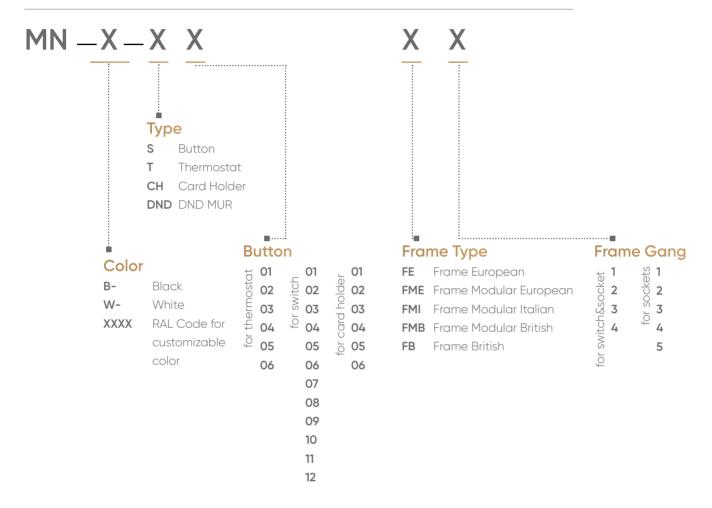
- · Compatible with Mifare 13.56 MHz card
- · Contactless reading for RFID Card information.
- Avoids mechanical wear and card deformation.
- Detection distance up to 50 mm

Dimensions (mm)	а	b	h
Single	90	12	100
Binary	161	12	100
Triple	232	12	100
Quadruple	303	12	100
Quintet	374	12	100



Protection type	IP 20	EN 60529
Safety class	II	EN 61140
Supply	Voltage Range	21-30V DC, Supply from EIB/KNX line
	Supply voltage	<<20 mA total
Temperature	Operating	-5° C + 45° C
	Storage	-25° C + 55° C
CE	In accordance with EMC guideline and low voltage regulation	

Product Code Legend



Please contact our technical unit for details. (eaetechnology.salessupport@eaegroup.com) Note: The sockets should be at the beginning or end of the monoblock frame, if you are combining switches or thermostat with sockets.

Module or core quantity must be specified at the end of the code.

Example Order Code

FRAME EUROPEAN	MN-W-S05T02FE1
FRAME MODULAR EUROPEAN	MN-B-S03FME2X2M
FRAME MODULAR ITALIAN	MN-W-T02S03FMI2
FRAME MODULAR BRITISH	MN-B-S03FMB2
FRAME BRITISH	MN-W-CH03FB1









0 CEILING LIGHT CEILING LIGHT CEILING LIGHT













LIGHT



LIGHT

MASTER ON/OFF



OFF

DIM UP

DIM DOWN

LIGHT

LAMP

LAMP





VOLUME

DOWN



VOLUME

UP

MIRROR LIGHT

1/



ENTRANCE LIGHT LIGHT

SPOT

LIGHT



BEDROOM LIGHT LIGHT



LAUNDRY



DRESSING



MUTE





MOVIE

SCENE



ACTIVE

BLIND UP





DO NOT DISTURB



ROOM









ECO



RELAX

SCENE



SLEEP

SCENE

SUMMER







STAY SCENE

CHANDELIER

LIGHT



SCENE

PERIMETER

LIGHT



WASH BASIN



DAY LIGHT



DINING SPOT



PENDENT LIGHT

FAN



CORRIDOR LIGHT



WASH ROOM



FCO COMFORT



SPOT LIGHT



CONTROL

LAUNDRY

... others on request

Colors

Black Glass





Hundreds of RAL surface colors...



KMG103 KNX Modbus Gateway



General Specifications

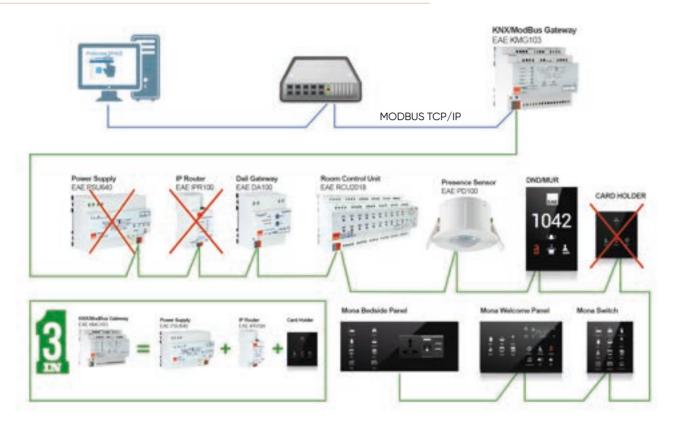
- EAE KMG103 can be used to control and monitor KNX installations via SCADA visualization software.
- IP address of device can be given by DHCP server or by manual configuration.
- EAE KMG103 includes patent-pending logic controller that enables room energy saver system without using card holder.
- Device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

Technical Information

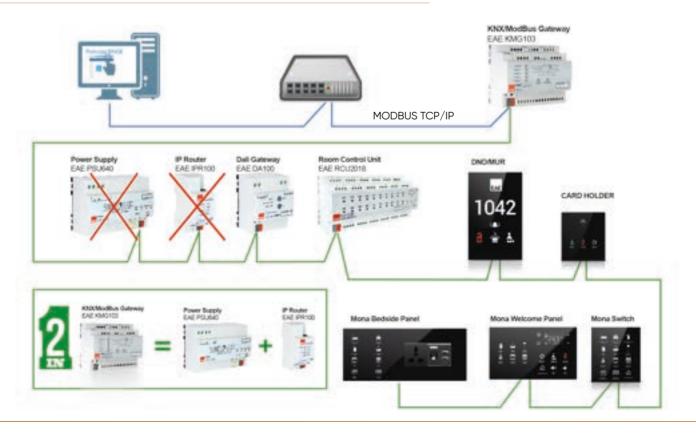
Type of Protection	IP20	EN 60 529
Safety Class	II	EN 61 140
Insulation Category	Over voltage category Pollution Degree	III EN 60 664 - 1 2 EN 60 664 - 1
Main Supply	Input Voltage Power consumption	150-275V AC, 50-60Hz 7W
Output	KNX Bus	30 VDC +1 / -2V, SELV (Integrated choke) 640mA
Connection	IP Line 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	HxWxD	90mm x W x 70mm
Weight	66g	
Вох	Plastic PA66 housing gry	
CE	in accordance with EMC and low voltage guidelines Device complies with, EN 50090-2-2, IEC 60664-1	

KMG103 KNX Modbus Gateway

GRMS Solution without using Card Holder



GRMS Solution with using Card Holder



KMG103 KNX Modbus Gateway

KNX/Modbus Gateway Logic Function and Scenes

Pre - Welcome Scene

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



Welcome Scene

The use of lighting, HVAC, shading, sockets in the room is permitted as long as guests are in the room during welcome scenario.

Leave Scene

When guest left from the room, the leave scenario is activated at the end of the defined period

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





Check in / Out Scene

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





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! **Cloud Server** Security and Cameras Safety and Burglar Alarm Intercom Site Management Intercom Call on Mobile Concierge Services **Mobile Integration ⊈**iOS **⊕**an⊃aoı⊃ ******** **Push Notification** Heating-Cooling Lighting-Shutter/Blind Scenarios, Schedules



Thermostat

All devices in your home are under your control with Rosa thermostats.









Switch

Experience life of comfort with Rosa Metal switches.





















Thermostat and switch together



Various color option



Touch operated



4mm tempered glass or aluminium surface



Frameless, minimalist design



Independent, programmable buttons



Icon options



Navigation LEDs



Feedback LEDs



Additional heating-cooling control



Away, comfort, night and protection modes



Fully automatic heating-cooling transition



Thermostat

All devices in your home are under your control with Oria thermostats.











Switch

Experience life of comfort with Oria switches.





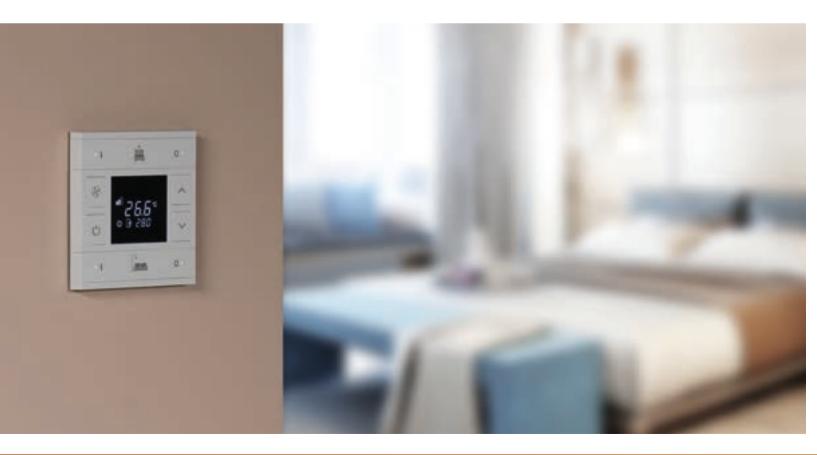












Socket

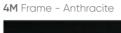
Moduler Standart

1M Data and Blanking Module - Natural











4M Universal Socket + SAT/TV - Gold





6M Socket + Socket + SAT + Blind Cover - Anthracite

Double Frame Pearl White



British Standart

1 Gang Socket - Bronze







European Standart

Quadruple Frame Pearl White



2M Mustang Gray



Quintet Socket+DATA+Socket+Sat - Black Glass



Certificates

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



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



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



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



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



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







Panel Devices

RCU FAMILY

EAE KNX - ROOM CONTROL UNITS



PD100 / MD100 / HD100 / CD100

EAE KNX - SENSOR





KMG103

EAE KNX - KNX Modbus Gateway



FCA100

EAE KNX - FANCOIL ACTUATOR



UD106

EAE KNX - UNIVERSAL DIMMER



SD110

EAE KNX - 1-10V DIM ACTUATOR



DA100 / DA110

EAE KNX - DALI GATEWAY



SW108 / SW104

EAE KNX - RELAY MODULE



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



MIO1616

EAE KNX - MULTI INPUT OUTPUT



UI108

EAE KNX - UNIVERSAL INTERFACE



ACGME 100

MITSUBISHI AC GATEWAY



IPR200 / IPI200 EAE KNX - IP ROUTER -

IP INTERFACE



LC200

EAE KNX - LINE COUPLER



MONA DEMO BOX



ROSA DEMO BOX



ROSA DEMO CASE





HOTEL GRMS DEMO CASE





Le MERIDIEN MARRIOTT HOTEL Georgia





NG PHASELIS BAY HOTEL Antalya



RIXOS PREMIUM BODRUM Mugla



Marriott AUTOGRAPH COLLECTION

AUTOGRAPH COLLECTION MARRIOTT Istanbul



MILLENNIUM MILLENIUM WEST HOTEL

Istanbul



CIELO HOTEL Qatar





RADISSON HOTEL Izmir





THE OBA HOTEL Bodrum





MABIN HURA MALDIVES Maldives



GURDAL HOTEL Istanbul





GRAND HOTEL Nijer



TFF Türkiye Futbol Federasyonu Turkish Football Federation

TFF RIVA HOTEL Istanbul



NAU HOTEL Portugal





GRAND GALATA HOTEL Istanbul





KARAVANSARAY COMPLEX CLOUD NINE Kazakhistan





Russia



FOLKART **VEG**





FOLKART BOYALIK Izmir



BODRUM NEF GOLKOY Rodrum



mesa sod sum MESA DEMIRBUKU

Bodrum



MESA CUBUKLU 28 Istanbul



VADIKORU RESIDENCE Istanbul





ROUTE ISTANBUL Istanbul



CENTRAL BALAT RESIDANCE







BRODSKY

BRODSKY APARTMENT Russia



GAYDA | Atasehir

GAYDA ATASEHIR Izmir





BALANCE GUNESLI Istanbul



DIA BELLA Istanbul





MOTTO TERAS BAHCE Konya



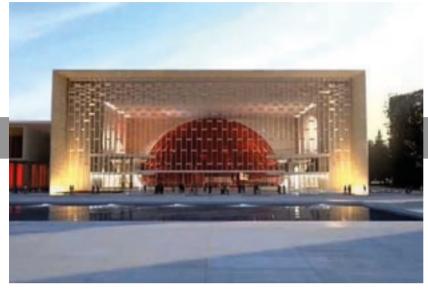


MANDARIN VILLAS Canakkale





IS CADDE GYO Istanbul



















ETIMADEN





NATIONAL DEFENCE UNI. LIBRARY İstanbul



ETI MADEN ENTERPRISES Ankara

HAVELSAN CENTRAL BUILDING Ankara

DSI ADMINISTRATIVE BUILDING Izmir







YDA' center







KALYON HOLDING **GENERAL CENTER** Istanbul



Ankara and Corlu

TURKCELL DATA CENTER YDA BUSINESS CENTER Ankara



BEYKOZ NUN SCHOOLS Istanbul



İSTANBUL MEDENİYET ÜNİVERSİTESİ MEDENIYET UNIVERSITY LIBRARY İstanbul















Nesibe Aydın





OZYEGIN UNIVERSITY Istanbul

NESIBE AYDIN EDUCATIONAL INSTUTIONS *İstanbul* Ankara

ALTINBAS UNIVERSITY

GONDAR UNIVERSITY Ethiopia





PRESIDENCY SYMPHONY ORCHESTRA Ankara













AHLAT COMPLEX

Bitlis





BUILDING

Ankara

ALANYA COURTHOUSE

TÜRKİYE CUMHURİYET MERKEZ BANKASI

ANTALYA CENTRAL BANK

Antalya







Antalya















OF JUSTICE

ADIYAMAN GOVERNMENT **HOUSE** Adıyaman

were non

SIVAS GOVERNORSHIP Sivas

TUNCHE CUMHUNIPETI GENÇLIK VE SPOR BARANLIĞI

MINISTRY OF YOUTH AND

SPORT BUILDING

İstanbul













CANAKKALE MUNICIPAL BUILDING Canakkale

CANAKKALE BELEDIYES



DULKADIROGLU MUNICIPALITY BUILDING BUILDING Kahramanmaras Istanbul



GUNGOREN MUNICIPALITY





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Tekirdag



IZMIR CITY HOSPITAL Izmir

ERZURUM CTY HOSPITAL

Erzurum

GIRESUN CITY HOSPITAL Giresun











SIVAS NUMUNE HOSPITAL Sivas





TARSUS PUBLIC HOSPITAL Mersin

HATAY DORTYOL HOSPITAL Hatay













MATERNITY HOSPITAL





TAKSIM FIRST AID HOSPITAL Izmir Istanbul



ALGERIA HOSPITAL

MEDICANA HOSPITAL PARKING LOT COMPLEX Algeria

Sakarya





ISTANBUL FINANCIAL CENTER HALK BANK GYO Istanbul













İstanbul

ISTANBUL FINANCIAL ISTANBUL FINANCIAL **CENTER BDDK BUILDING CENTER 1-13 RECREATION** İstanbul



IST. FINANCIAL CENTER SPECIAL PROJECT AREA İstanbul



IST. FINANCIAL CENTER SIGORTA A.S. İstanbul



7. MAIN JET BASE COMMAND Malatya











TURKISH **AIRLINES**

ISTANBUL AIRPORT TURKISH AIRLINES BUILDINGS BUILDING Istanbul



THY SIMULATION

ORD. PROF. DR. SULHI DON-MEZER EDUCATION CENTER Istanbul



PTT INTERNATIONAL CAR-GO PROCESSING CENTER İstanbul



Istanbul













SOCIAL SECURITY CORPORATE BUILDING Kayseri



SOCIAL SECURITY CORPORATE BUILDING Elazig



DICLE ELECTRIC A.Ş. Diyarbakır



DISASTER and EMERGENCY MANAGEMENT CENTER Erzincan



DISASTER and EMERGENCY MANAGEMENT CENTER Kahramanmaras



SENEGAL STADIUM Senegal



TÜRICHE CUMHURIYETE GENÇLİK VE SPOR BARANLIĞI

ERYAMAN STADIUM Ankara



TUNOTE CUMHUNTERS GENCLIK VE SPOR BARANLIĞI

CEMAL KAMACI SPORT COMPLEX Istanbul



top interieur*





PHILIP MORRIS PHILIP MORRIS FACTORY Kazakhistan



Kalyon KALYON SOLAR TECHNOLOGIES FACTORY Ankara







TEKFEN HOLDING **ARCHIVE BUILDING**



NUR SULTAN MOSQUE Kazakhistan



NAZARBAYEV CENTRE Kazakhistan



X Türk Traktör TURK TRACTOR

Sakarya - Ankara





UNIPRES England



KUTAHYA CERAMIC Kutahya



BSH Cerkezkoy



BAKU TOWER 109 Azerbaijcan





KORDSA FACTORY Kocaeli





RONESANS HILLTOWN AVM Izmir















VEGA MALL

Ankara

SUBAYEVLERİ

nevçarşı **NEV CARSI USKUDAR**

Istanbul



Eskisehir

MILAHA LOGISTIC Qatar













OYAK PORT

Kocaeli

Rize

GENERAL DIRECTORATE OF HIGHWAYS BUILDING



EKOL LOGISTIC

Kocaeli

Istanbul

ANKARA IS GYO TOWER Ankara

REPKON

iş gyo 💲

REPKON FACTORY İstanbul

















TURK TELEKOM BUILDING **CENTER** Istanbul



Ziraat Bankası

SISECAM FACTORY Eskişehir

SİŞECAM





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.

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