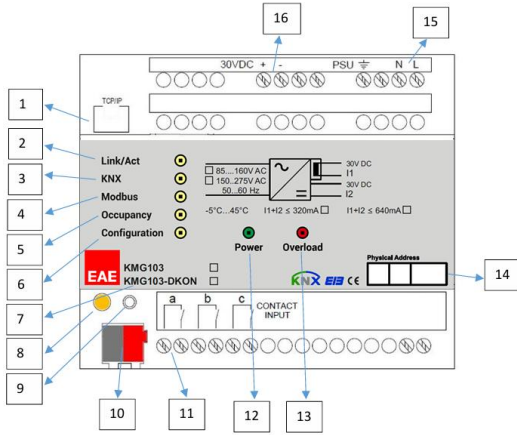


General Description

- 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 features a KNX IP interface that supports up to 4 simultaneous KNXnet/IP tunneling connections.
- EAE KMG103 includes patent-pending logic controller that enables room energy saver system without using card holder.
- Device has 2 physical inputs for door and window sensing.
- EAE KMG103 has built-in two models which are 320mA or 640 mA KNX bus power supply for KNX devices.
- 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.

Device Peripherals



No	Function	No	Function
1	RJ45/Ethernet Connection	9	Reset/Factory Reset Button
2	Ethernet Connection/Transmission LED	10	KNX Connection Terminal
3	KNX Connection/Transmission LED	11	Dry Contact Inputs (a, b, c)
4	Modbus Connection/Transmission LED	12	Power LED
5	Occupancy State LED	13	Overload LED
6	PC Configurator Software Connection LED	14	Physical address label
7	Model Name Label	15	Power Supply Input
8	KNX Reset LED	16	KNX Auxiliary Output – 30V

Operating LEDs

Link/Act

It turns on steady when there is an Ethernet connection and flashes during data transfer.

KNX LED

During the initial reading of all KNX group objects, it flashes periodically. It then lights up constantly. Flashes during KNX communication.

Modbus LED

Steady when a Modbus client is connected to the device. It flashes periodically during Modbus communication. It turns off when the Modbus client connection is lost.

Occupancy LED

Indicates the Room Presence status. When KMG103 determines that the room is occupied, LED turns on steadily. When KMG103 determines that the room is empty, LED turns off.

Configuration LED

Steady when a client is connected to the configuration server. It turns off when the client disconnected from configuration server. It flashes periodically while communicating with the configuration server.

Cleaning

If device becomes dirty, only a dry cloth can be used for cleaning. It is not suitable to use wet cloths, caustics and solvents.

Commissioning

Device can be programmed by KMG Configurator Software only. Software can be downloaded in our website.

Technical Data

Type of protection	IP 20	EN 60 529
Safety class	II	EN 61 140
Over voltage category	III	EN 60 664-1
Pollution degree	2	EN 60 664-1
Main supply	Input voltage (220 V) Input voltage (110 V) Power consumption	150-275V AC, 50-60Hz 85-160V AC, 50-60Hz 7 W
Output	KNX BUS KNX AUX BUS + AUX Total Current Short-circuit current for PSU320 Short-circuit current for PSU640	30 VDC +1/-2 V, (choke) 30 VDC 640 mA / 320 mA 1 A 1,5 A
Connections	IP Line Link/Act KNX Modbus	RJ45 socket for 10/100BaseT Ethernet Connection KNX Connection Modbus Connection
Display elements	Occupancy Configuration Power Overload	Occupancy Status Conf. Software Connection St. Led on green if there is mains voltage (110V or 220V AC) Led on red if the current output (KNX + AUX) is above 320 or 640mA
Operating elements	Reset Button (for KNX Line reset)	
Installation	35mm DIN rail mount	EN 60 715 TH 35-75
Temperature range	Operation Storage	-5° C + 45° C -20° C + 60° C
Humidity		Max. 93 % non condense
Dimensions	H x W x L Width W in mm Width W in units 18 mm	66 mm x W x 90 mm 108 mm 6 modules
Box	Plastic PA66 housing grey	
CE	in accordance with EMC and low voltage guidelines Device complies with, EN 50090-2-2, IEC 60664-1	

Technical Drawings

