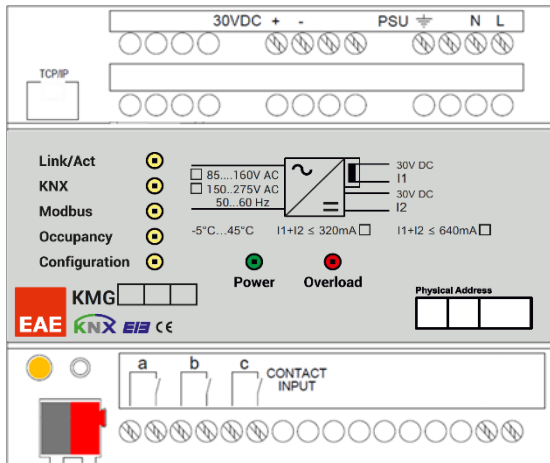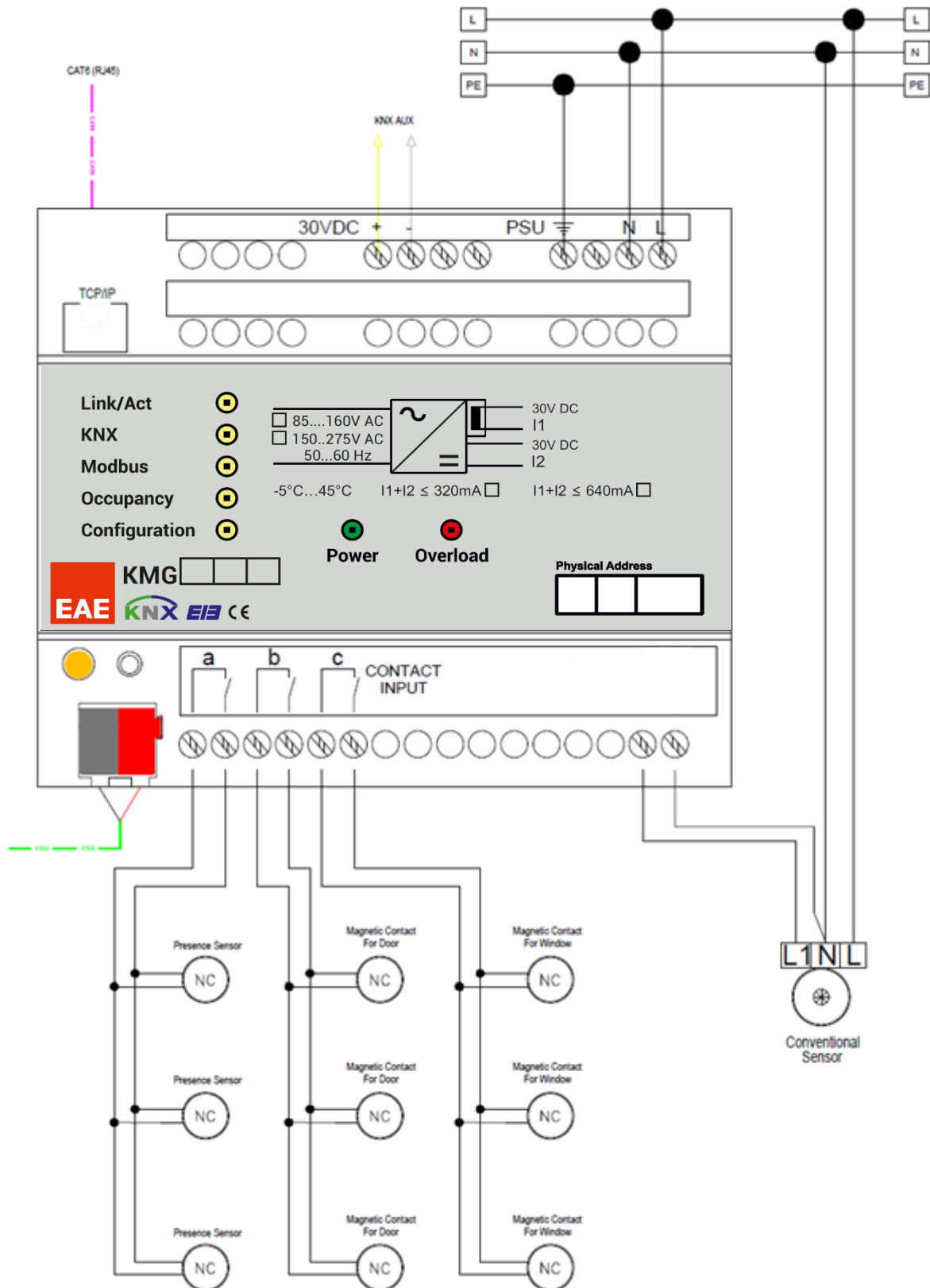## General Description

- 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 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 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.

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	150-275V AC, 50-60Hz
	Power consumption	7 W
Output	KNX BUS KNX AUX BUS + AUX Total Current	30 VDC +1/-2 V, (choke) 30 VDC 640 mA / 320mA
	Short-circuit current	0.5 A
Connections	IP Line	RJ45 socket for 10/100BaseT
	KNX Line	Bus connection terminal
Display elements	Link/Act KNX Modbus Occupancy Configuration	Ethernet Connection KNX Connection Modbus Connection Occupancy Status Configuration Software Connection Status
Operating elements	Reset Button – for KNX Line reset	
Installation	35mm DIN rail mount	EN 60 715 TH 35-75
Temperature range	Operation	-5° C + 45° C
	Storage	-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 modules)	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	

Connection Example

CAT6 (RJ45)

KNX AUX

L
N
PE
L
N
PE

30VDC + − PSU N L

TCP/IP

Link/Act
KNX
Modbus
Occupancy
Configuration

☐ 85....160V AC
☐ 150..275V AC
50...60 Hz

−5°C…45°C

30V DC
I1
30V DC
I2

I1+I2 ≤ 320mA ☐   I1+I2 ≤ 640mA ☐

Power   Overload

KMG

EAE KNX EIB CE

Physical Address

a   b   c   CONTACT INPUT

Presence Sensor   Magnetic Contact For Door   Magnetic Contact For Window

NC   NC   NC

Presence Sensor   Magnetic Contact For Door   Magnetic Contact For Window

NC   NC   NC

Presence Sensor   Magnetic Contact For Door   Magnetic Contact For Window

NC   NC   NC

L1 N L

Conventional Sensor

Technical Drawing