IPR100
EAE KNX-IP ROUTER

4 Simultaneous KNXnet/IP Connections

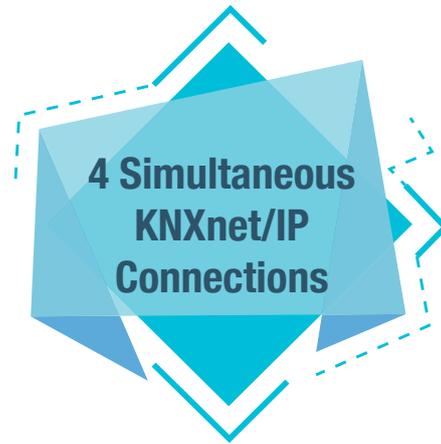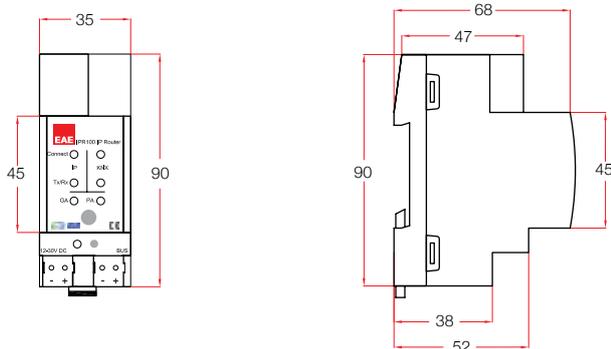## General Specifications

● 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

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Power source	Feed voltage	DC 24 V (12V… 30V DC)
	Bus	DC 21…30V SELV
	Current traction through KNX	Type 5 mA
	Current traction	Type 190 mA
	Power consumption	Type 520 mW, max 800 mW
Connections	IP Line	RJ45 socket for 10/100Base T, IEEE 802.3 networks
Screen components	KNX Line	Bus connection terminal
	Power LED	Malfunction LED
	LAN-OK LED	KNX-OK LED
	LAN-RX/TX LED	KNX-RX/TX LED
	Programming mode 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 ºC + 45 ºC no humidity
	Storage	-20 ºC + 60 ºC
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	48016	1 unit