MICROAXS controls
Designed and Commissioned in the U.S.A.

MX-IPR100 - IP ROUTER

MX-IPR100
KNX - IP ROUTER

General Features

- MX-IPR100 IP Router can be used as a line or backbone coupler and provides a data connection between the upper KNXnet/IP and the lower TP KNX bus line. However, it also provides an electrical isolation between connected lines.
- MX-IPR100 IP Router is a tunneling and routing device. It creates a connection point for MXS to enable commissioning and monitoring via tunneling protocol. (4 simultaneous KNXnet/IP connections are possible).
- The device makes possible to connect two separate KNX installations and allows conducting of telegrams between different lines through LAN as a fast backbone.
- IP address of device can be given by DHCP server or by manual configuration.
- Device can block or transmits telegrams between KNX line and IP medium according to settings of filter table.
- It is possible to switch off the filter table with a button on device without reconfiguring MXS parameters for fast diagnostic site.
- Filter tables and filtering of device oriented tables can be switched on automatically after MXS configurable time out.
- Detailed information for diagnosis by displaying operational states with 6 duo led.

TEL: +1-646-8512555 **EMAIL:** info@microaxs.com **WEBSITE:** www.microaxs.com
ADDRESS: 70 East Sunrise Highway Valley Stream, NY 11581, New York

MICROAXS controls
Designed and Commissioned in the U.S.A.

MX-IPR100- IP ROUTER

Technical Data

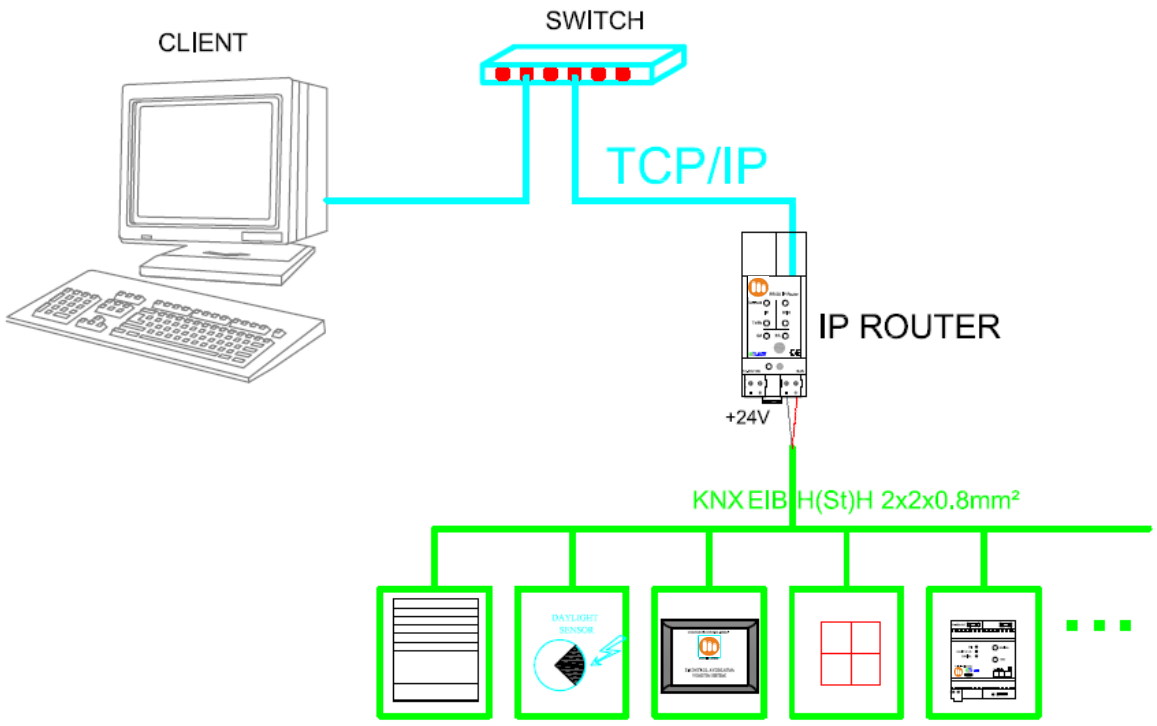
Protection Grade	IP 20	EN 60 529
Safety Class	III	IEC 61140
Power Supply	Supply Voltage	DC 24 V (12V… 30V DC)
	Bus	DC 21…30V SELV
	Current consumption from KNX	Typ. 5 mA
	Current consumption	Typ. 190 mA
	Power Consumption	Typ. 520 mW, max 800 mW
Connections	IP Line	RJ45 socket for 10/100BaseT, IEEE 802.3 networks
	KNX Line	Bus connection terminal
Display elements	LED Power LED LAN-OK LED LAN-RX/TX LED for programming mode	LED Error LED KNX-OK LED KNX-RX/TX
Operating Elements	Function button, programming button	
Installation	35mm DIN rail mount	EN 60 715 TH 35-75
Degree of Pollution	2	IEC 60664-1
Overvoltage class	III	IEC 60664-1
Temperature Range	Operation	-5° C + 45° C non-condensing
	Storage	-20° C + 60° C
Humidity		%5 to 93 % no moisture condensation
Dimensions	-H x W x D Width W in mm Width W in units (18 mm modules)	90 mm x W x 70 mm 36 mm 2 modules Mounting depth 64 mm
Weight	66 g	
Material	Plastic PA66 housing grey	
CE	in accordance with EMC and low voltage guidelines Device complies with, EN 50090-2-2, IEC 60664-1	

TEL: +1-646-8512555 **EMAIL:** info@microaxs.com **WEBSITE:** www.microaxs.com
ADDRESS: 70 East Sunrise Highway Valley Stream, NY 11581, New York

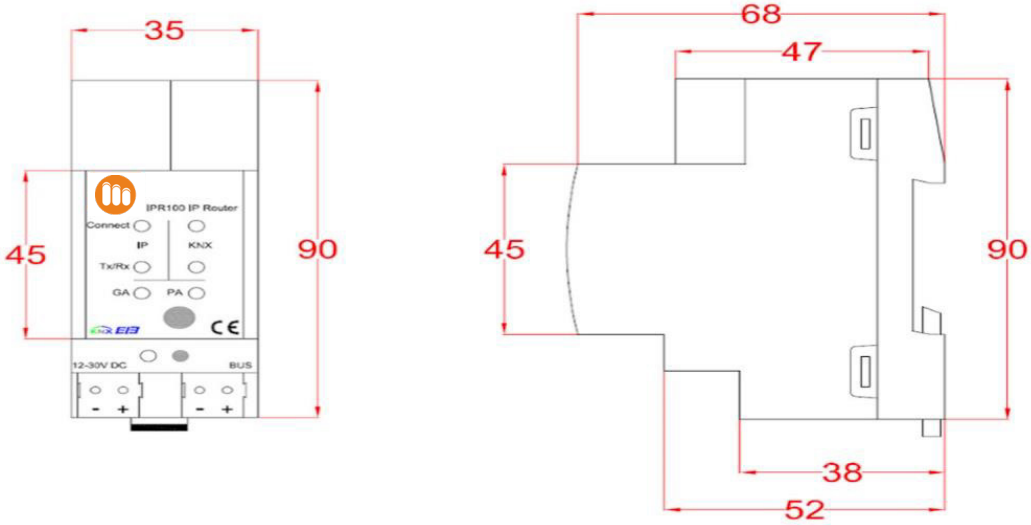
MICROAXS controls
Designed and Commissioned in the U.S.A.

MX-IPR100 - IP ROUTER

Connections



Scale Drawing



TEL: +1-646-8512555 **EMAIL:** info@microaxs.com **WEBSITE:** www.microaxs.com
ADDRESS: 70 East Sunrise Highway Valley Stream, NY 11581, New York