

# NETWORK & WIRELESS

## MULTI-PURPOSE MANAGER AND GATEWAY SMARTSTRUXURE LITE MPM-UN SERIES

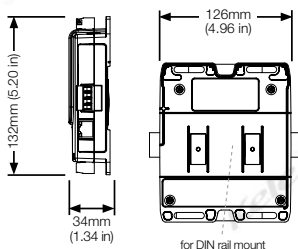
### DESCRIPTION

The **MPM-UN Series** multi-purpose manager and wireless gateway enable the control, monitoring and management of entire sites via StruxureWare™ Building Expert. They can also be used for wired and wireless zone control in larger buildings. They support a variety of HVAC, lighting and metering applications. All models have an embedded web server hosting Building Expert, a web-based intelligent building management system that allows complete configuration and management of small sites.

### FEATURES

- **Control of wired end-devices (6 inputs, 6 outputs)**
- **Wireless control of EnOcean end-devices (optional, 128 points per MPM)**
- **Wireless control of ZigBee end-devices (optional, 30 peripherals per MPM)**
- **Modbus (optional)**
- **Programmable via StruxureWare™ Building Expert**
- **Points visible through BACnet, EcoStruxure Web Services (EWS) & oBIX**
- **Real-time response to scripting/graphical programming**

### DIMENSIONS



### SPECIFICATIONS

<b>Supply Voltage</b>	24 VAC/VDC, 50/60Hz
<b>Frequency</b>	EnOcean: 315MHz, 868MHz or 902MHz; ZigBee: 2.4GHz, 16RF Channels
<b>Receiver Sensitivity</b>	EnOcean -95dBm; ZigBee -101dBm/-105dBm (amplified)
<b>Range</b>	Line of sight: EnOcean 100ft/30m; ZigBee peripherals 100ft/30m, ZigBee MPM 300ft/100m
<b>Communication</b>	ZigBee Pro, EnOcean, BACnet, CANbus (125-500Kbps), Ethernet(10/100Mbps), Modbus
<b>Supported Protocols</b>	BACnet, EWS, oBIX, FTP, EnOcean, ZigBee, CANbus, Modbus
<b>Memory</b>	64MB Flash
<b>Processor</b>	ARM9 32-bit, 400MHz
<b>Data Storage</b>	2GB flash for local storage
<b>Antenna</b>	External whip, RP SMA Connector
<b>Clock Backup</b>	Real-time clock, Battery backed (10,000 hrs)
<b>Input</b>	6 universal, configurable, 14-bit resolution (analog: 4-20mA, 0-10V; digital: dry contact, thermistor: 1-100K)
<b>Maximum Number Of Wireless Modules</b>	EnOcean (wireless): 128 points; ZigBee (wireless): 30 peripherals
<b>Outputs</b>	2 relay (24V, 1.1A each), 4 analog (0-12V, 50mA max, 12-bit resolution)
<b>Storage Temperature</b>	-4° to 140°F (-20° to 60°C)
<b>Operating Temperature</b>	32° to 140°F (0° to 60°C)
<b>Operating Humidity</b>	0-90% RH non-condensing
<b>Enclosure</b>	Rigid ABS, UL94V0-5VB
<b>Mounting</b>	Din-rail, wall or ceiling mount
<b>Dimensions</b>	4.96"H x 5.20"W x 1.34"D (126 x 132 x 34 mm)
<b>Weight</b>	0.5lbs (0.23 kg)
<b>Approvals</b>	UL916, CSA, FCC, ICES-003, CE, Japanese Radio Law, RoHS
<b>Warranty</b>	1.5 years

NEW!

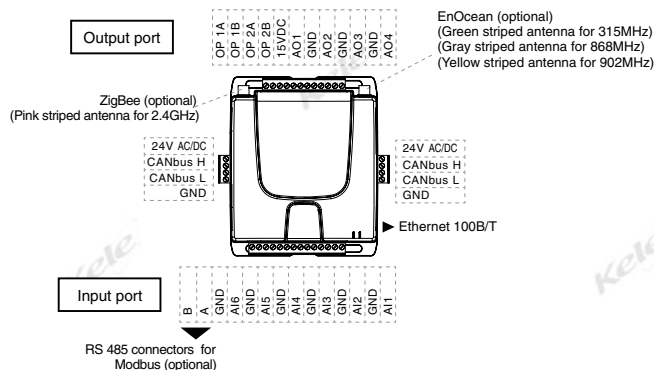
**Schneider**  
Electric



MPMUN



### WIRING



### ORDERING INFORMATION

Part numbers	Manager		EnOcean			ZigBee	I/O		Modbus
	Building Expert	StruxureWare integration	315 MHz	868 MHz	902 MHz	High power	6 inputs	6 outputs	
MPM-UN-004-5045	x	x					x	x	x
MPM-UN-014-5045	x	x				x	x	x	x
MPM-UN-C00-5045	x	x	x				x	x	
MPM-UN-C04-5045	x	x	x				x	x	x
MPM-UN-C14-5045	x	x	x			x	x	x	x
MPM-UN-D04-5045	x	x		x			x	x	x
MPM-UN-D14-5045	x	x		x		x	x	x	x
MPM-UN-E00-5045	x	x			x		x	x	
MPM-UN-E04-5045	x	x			x		x	x	x
MPM-UN-E14-5045	x	x			x	x	x	x	x

Note: Schneider certification training is no longer a requirement to purchase SmartStruxure Lite products but it is a requirement to gain access to future firmware upgrades, Lua script library and Schneider's technical support for SmartStruxure Lite Solutions.

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