



### Main

Range	EcoStruxure Building Expert
Product or component type	Universal network controller
Device short name	MPM-UN
Device application	Metering Lighting HVAC
Supply	External supply : CSA
Processor name	ARM9 32-bit ,400 MHz
Battery type	3 V lithium

### Complementary

Range compatibility	EcoStruxure Building Expert zone controller
Communication port protocol	BACnet , Ethernet , RJ45 , 10/100 Mbit/s CANbus , 125...500 kbit/s Modbus , Zigbee Pro , 250 kbps at 2400...2483.5 MHz
Number of devices	16RF channels - ZigBee
Antenna gain	2.5 dBi at 2400...2483.5 MHz
Connector type	RP-SMA
Radio power	8 dBm at - 101 dBm receiver sensitivity - Zigbee Pro 18 dBm at - 105 dBm receiver sensitivity - Zigbee Pro
Operating distance	<= 300 ft open environment
[Us] rated supply voltage	24 V AC : 50/60 Hz : +/- 15 % 24 V DC : +/- 10 %
Number of inputs	6 universal inputs
Analogue input type	Configurable current : 4...20 mA : 14 bits resolution Configurable voltage : 0...10 V : 14 bits resolution Configurable PTC probe : 1...100 kOhm impedance : 14 bits resolution
Discrete input type	Dry contact
External resistance	249 Ohm for analog input current
Number of outputs	4 analog outputs 2 relay outputs
Input/Output type	Analog output ,0...12 V , <= 50 mA , 12 bits resolution Relay output ,24 V , 1.1 A

System requirements	Apple Safari Google Chrome Firefox Internet browser
Product compatibility	Tablet PC Smartphone
Power consumption in W	1.6 W
Power consumption in VA	5 VA
Communication gateway	Ethernet/ZigBee
Memory capacity	64 MB flash 4 GB internal
Realtime clock	With battery backed (10000 h)
Connections - terminals	Screw connection
Mounting mode	Clip-on
Mounting support	DIN rail Ceiling Wall
Height	5.2 in
Width	4.96 in
Depth	1.34 in
Enclosure material	ABS
Web server	Embedded web page

## Environment

Ambient air temperature for operation	32...140 °F
Ambient air temperature for storage	-4...140 °F
Relative humidity	0...90 % non-condensing
Standards	UL 916 FCC part 15 subpart B CSA C22.2 No 205-M1983 ICES-003
Flame retardance	UL94V0-5VB