



Main

Range	EcoStruxure Building Expert
Product or component type	VAV controller
Device short name	MPM-VA
Device application	HVAC Metering Lighting
Supply	External supply CSA
Sensor type	Flow sensor
Processor name	ARM9 32-bit 400 MHz
Battery type	Lithium 3 V

Complementary

Range compatibility	Zone controller
Communication port protocol	BACnet Ethernet RJ45 10/100 Mbit/s CANbus 125...500 kbit/s EnOcean 868 MHz Modbus Zigbee Pro 250 kbps 2400...2483.5 MHz
Number of devices	16 ZigBee
Antenna gain	2.5 DBi 2400...2483.5 MHz 0 dBi 0...868 MHz
Antenna connector type	RP-SMA
Radio power	8 DBm - 101 dBm - Zigbee 18 DBm - 105 dBm - Zigbee 5 dBm - 95 dBm - EnOcean
Operating distance	<= 100 ft open environment <= 300 ft open environment
[Us] rated supply voltage	24 V AC 50/60 Hz +/- 15 % 24 V DC +/- 10 %
Number of inputs	6 universal
Configurable analog input	Configurable current 4...20 mA 14 bits Configurable voltage 0...10 V 14 bits Configurable PTC probe 1...100 kOhm 14 bits
Configurable digital input	Dry contact
External resistance	249 Ohm analog input current
Type of measurement	Pressure - - 500...500 Pa +/- 3 % < +/- 0.1 Pa/year
Number of outputs	4 analog 2 relay
Input/output type	Analog output 0...12 V, <= 50 mA, 12 bits Relay output 24 V, 1.1 A,
System requirements	Internet browser Google Chrome Apple Safari Firefox
Product compatibility	Smartphone Tablet PC
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

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Realtime clock	With battery 10000 h)
Connections - terminals	Screw connection
Mounting mode	Clip-on
Mounting support	Wall Ceiling DIN rail
Maximum Height	5.2 in (132.08 mm)
Maximum Width	4.96 in (125.98 mm)
Maximum Depth	1.34 in (34.04 mm)
Enclosure material	ABS
Web server	Embedded web page

Environment

Ambient air temperature for operation	32...140 °F (-0...60 °C)
Ambient air temperature for storage	-4...140 °F (-20...60 °C)
Relative humidity	0...90 % non-condensing
Standards	UL 916 CSA C22.2 No 205-M1983 ICES-003 FCC part 15 subpart B
Flame retardance	UL94V0-5VB

Ordering and shipping details

GTIN	00711426074727
Package weight(Lbs)	1.50 lb(US) (0.680 kg)

Packing Units

Package 1 Height	2.76 in (7.000 cm)
Package 1 width	5.98 in (15.200 cm)
Package 1 Length	7.99 in (20.300 cm)

Offer Sustainability

EU RoHS Directive	Not compliant
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