



### Main

Range	EcoStruxure Building Expert
Product or component type	VAV controller
Device short name	MPM-VA
Device application	Metering Lighting HVAC
Supply	External supply : CSA
Sensor type	Flow sensor
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 EnOcean , 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 18 dBm at - 105 dBm receiver sensitivity - Zigbee
Operating distance	<= 300 ft open environment
[Us] rated supply voltage	24 V AC : 50/60 Hz : +/- 15 % 24 V DC : +/- 10 %
Electrical insulation class	Class II
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Type of measurement	Pressure - 500...500 Pa , +/- 3 % accuracy ,< +/- 0.1 Pa/year offset stability
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
Actuator	Damper LM24E 45 lbf.in 0...90 ° 6.35...19.05 mm
Power consumption in VA	3 VA motor
System requirements	Google Chrome Firefox Apple Safari Internet browser
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
Realtime clock	With battery backed (10000 h)
Connections - terminals	Screw connection
Mounting mode	Clip-on
Mounting support	Ceiling Wall DIN rail
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	FCC part 15 subpart B ICES-003 UL 916 CSA C22.2 No 205-M1983
Flame retardance	UL94V0-5VB

## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1401 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>