



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	3 V lithium

Complementary

Range compatibility	EcoStruxure Building Expert zone controller
Communication port protocol	Zigbee Pro , BACnet , Ethernet , RJ45 , 10/100 Mbit/s CANbus , 125...500 kbit/s Modbus , EnOcean , at 868 MHz
Antenna gain	0 dBi at 0...868 MHz
Connector type	RP-SMA
Radio power	5 dBm at - 95 dBm receiver sensitivity - EnOcean
Operating distance	<= 100 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
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 Internet browser Apple Safari
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 Wall Ceiling
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 CSA C22.2 No 205-M1983 ICES-003 UL 916
Flame retardance	UL94V0-5VB