



### Main

|                           |                              |
|---------------------------|------------------------------|
| Range                     | EcoStruxure Building Expert  |
| Product or component type | VAV controller               |
| Device short name         | MPM-VA                       |
| Device application        | Lighting<br>Metering<br>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 ,<br>Ethernet , RJ45 , 10/100 Mbit/s<br>CANbus , 125...500 kbit/s<br>EnOcean ,<br>Modbus ,<br>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<br>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 %<br>24 V DC : +/- 10 %   |
| Number of inputs            | 6 universal inputs  |
| Analogue input type         | Configurable current : 4...20 mA : 14 bits resolution<br>Configurable voltage : 0...10 V : 14 bits resolution<br>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<br>Relay output ,24 V ,1.1 A |
| System requirements     | Apple Safari<br>Firefox<br>Google Chrome<br>Internet browser                       |
| Product compatibility   | Smartphone<br>Tablet PC  |
| Power consumption in W  | 1.6 W  |
| Power consumption in VA | 5 VA   |
| Communication gateway   | Ethernet/ZigBee  |
| Memory capacity         | 64 MB flash<br>4 GB internal   |
| Realtime clock          | With battery backed (10000 h)  |
| Connections - terminals | Screw connection   |
| Mounting mode           | Clip-on  |
| Mounting support        | DIN rail<br>Wall<br>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                             | UL 916<br>ICES-003<br>FCC part 15 subpart B<br>CSA C22.2 No 205-M1983 |
| Flame retardance                      | UL94V0-5VB  |

## Offer Sustainability

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