

NETWORK & WIRELESS

MULTI-PURPOSE VAV MANAGER AND GATEWAY SMARTSTRUXURE LITE MPM-VA SERIES



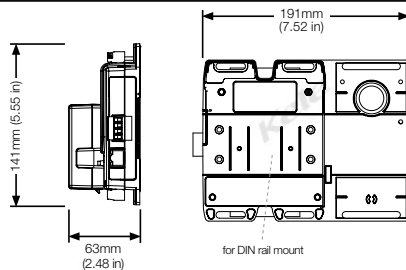
DESCRIPTION

The **MPM-VA Series** multi-purpose VAV manager and wireless gateway enable the control, monitoring and management of entire sites via StruxureWare™ Building Expert. They can also be used for wired and wireless zone control in larger buildings. This series of controllers supports a variety of variable-air-volume, HVAC, lighting and metering applications. All models have an embedded web server hosting Building Expert, a web-based intelligent building management system that allows complete configuration and management of small sites.

FEATURES

- **Pressure sensor with actuator as an option**
- **Supports VAV functionalities and applications**
- **Control of wired end-devices (6 inputs, 6 outputs).**
- **Wireless control of EnOcean end-devices (optional, 128 points per MPM)**
- **Wireless control of ZigBee end-devices (optional, 30 peripherals per MPM)**
- **Supports Modbus**
- **Programmable via StruxureWare™ Building Expert**
- **Points visible through BACnet, EcoStruxure Web Services (EWS) & oBIX**
- **Real-time response to scripting/graphical programming**

DIMENSIONS



SPECIFICATIONS

Supply Voltage	24 VAC /VDC, 50/60Hz
Frequency	EnOcean: 315MHz, 868MHz or 902MHz; ZigBee: 2.4GHz, 16RF Channels
Receiver Sensitivity	EnOcean -95dBm; ZigBee -101dBm/-105dBm (amplified)
Range	Line of sight: EnOcean 100ft/30m; ZigBee peripherals 100ft/30m, ZigBee MPM 300ft/100m
Communication	ZigBee Pro, EnOcean, BACnet, CANbus (125-500Kbps), Ethernet(10/100Mbps), Modbus
Supported Protocols	BACnet, EWS, oBIX, FTP, EnOcean, ZigBee, CANbus, Modbus
Memory	64MB Flash
Processor	ARM9 32-bit, 400MHz
Sensor Type	Flow Sensor
Range	-2 to 2 in WC, Accuracy: 3% m.v.
Data Storage	2GB flash for local storage
Actuation Type	Damper Actuator
Torque	45in-lb (5Nm), Rotation: 0 to 95°, Shaft Diameter: 1/4" to 3/4"
Antenna	External whip, RP SMA Connector
Clock Backup	Real-time clock, Battery backed (10,000 hrs)
Enclosure	Rigid ABS, UL94V0-5VB
Input	6 universal, configurable, 14-bit resolution (analog: 4-20mA, 0-10V; digital: dry contact, thermistor: 1-100K)
Maximum Number Of Wireless Modules	EnOcean (wireless): 128 points; ZigBee (wireless): 30 peripherals
Output	2 relay (24V, 1.1A each), 4 analog (0-12V, 50mA max, 12-bit resolution)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Operating Temperature	32° to 140°F (0° to 60°C)
Operating Humidity	00 to 90% non-condensing
Mounting	Din-rail, wall or ceiling mount
Dimensions	7.52"H x 5.55"W x 2.48"D (191 x 141 x 63 mm)
Weight	1.5 lbs (0.68 kg)
Approvals	UL916, CSA, FCC, ICES-003, CE, Japanese Radio Law, RoHS
Warranty	1.5 years

NEW!

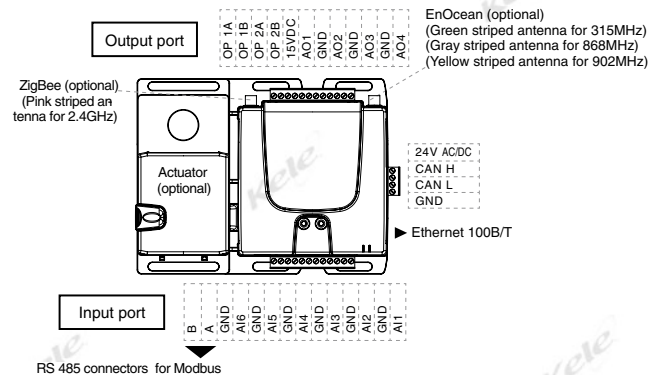
Schneider
Electric



MPMVA



WIRING



ORDERING INFORMATION

Part numbers	Manager		EnOcean		ZigBee		I/O		VAV	
	Building Expert	StruxureWare integration	315 MHz	868 MHz	902 MHz	High power	6 inputs	6 outputs	Modbus	Flow sensor
MPM-VA-004-5045	x	x					x	x	x	x
MPM-VA-014-5045	x	x					x	x	x	x
MPM-VA-C04-5045	x	x	x				x	x	x	x
MPM-VA-C14-5045	x	x	x				x	x	x	x
MPM-VA-D04-5045	x	x		x			x	x	x	x
MPM-VA-D14-5045	x	x		x			x	x	x	x
MPM-VA-E04-5045	x	x		x			x	x	x	x
MPM-VA-E14-5045	x	x		x			x	x	x	x
MPM-VS-004-5045	x	x					x	x	x	x
MPM-VS-014-5045	x	x					x	x	x	x
MPM-VS-C04-5045	x	x	x				x	x	x	x
MPM-VS-C14-5045	x	x	x				x	x	x	x
MPM-VS-D04-5045	x	x		x			x	x	x	x
MPM-VS-D14-5045	x	x		x			x	x	x	x
MPM-VS-E04-5045	x	x		x			x	x	x	x
MPM-VS-E14-5045	x	x		x			x	x	x	x

Note: Schneider certification training is no longer a requirement to purchase SmartStruxure Lite products but it is a requirement to gain access to future firmware upgrades, Lua script library and Schneider's technical support for SmartStruxure Lite Solutions.

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