



Manufacturer of **energy meters** and **controllers** for automation and HVAC.

**MA-VAV**

**CLIMATE**

# MA-VAV

IP-based variable air volume  
(VAV) DDC controller

## Easy integration

**MA-VAV** is a dedicated controller for VAV systems that is easy to install and commission. It comes with pre-programmed, embedded algorithms that can be easily configured by the user.

## Features

Comes with an integrated zero-drift differential pressure sensor for air flow measurement. Supports real-time clock and calendar with weekly schedule. Can be used with a remote display for user interface.

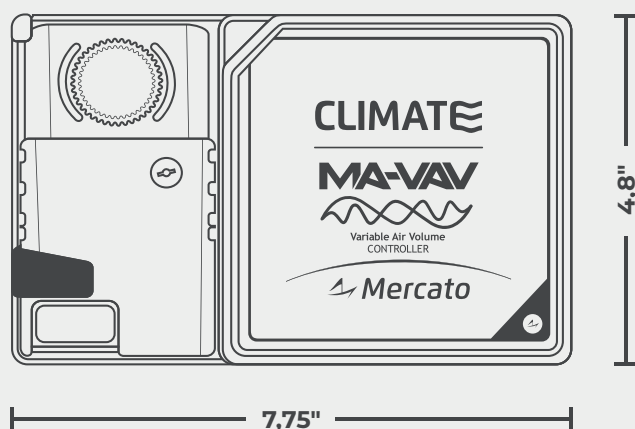
## Versatile and adjustable

Supports cooling and heating controls, with terminal re-heating option and changeover mode. Configuration can be done by internal webserver, using any standard web browser.

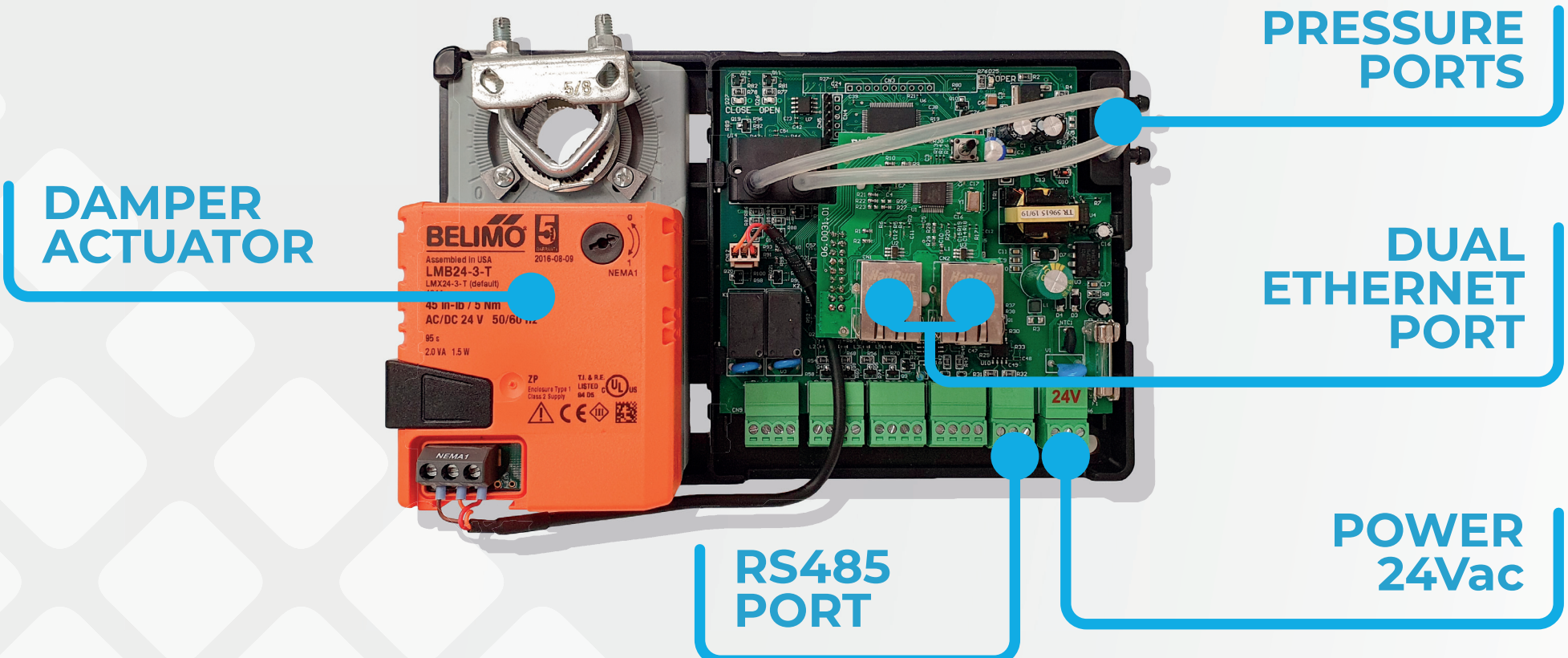
## Multi-protocol

**MA-VAV** has a serial RS485 port and optional IP ports, supporting both BACnet and Modbus communication protocols for easier integration with Building Management Systems (BMS).

## Dimensions:



Click or scan the  
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the page of product





## FEATURES

|                             |                                                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------|
| Power Supply                | 24 VAC $\pm$ 20%, 50/60 Hz                                                                                          |
| Inputs                      | 4x universal inputs - digital, NTC 10k type II and type III, voltage (0-10V or 2-10V) or current (0-20mA or 4-20mA) |
| Digital Outputs             | 2x relay digital outputs                                                                                            |
| Analog Output               | 2x analog outputs, voltage (0-10V or 2-10V) or current (0-20mA or 4-20mA), software selectable                      |
| Communication protocols     | BACnet and Modbus protocols                                                                                         |
| Communication interfaces    | 1x isolated serial RS485 port<br>2x ethernet ports (10/100M) for daisy chain installations                          |
| Battery-maintained RTC      | Real-time clock maintained by supercapacitor (no maintenance).                                                      |
| Configuration via webserver | Easy configuration and setup using internal webserver (ETH model exclusive)                                         |
| Pressure sensor             | Range: -500 Pa to 500 Pa (-2 to 2 inH <sub>2</sub> O)<br>Accuracy: 3% of reading                                    |
| Display                     | Optional remote display for user interface                                                                          |
| Mounting fixation           | Screws – Mounted directly on VAV box.                                                                               |
| Dimensions                  | 7,75" (197 mm) L x 4,80" (122 mm) D x 2,36" (60 mm) H                                                               |
| Certifications              | UL60730 and UL2043                                                                                                  |

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