The **AZ-M2XXX** is a general purpose HVAC controller whose inputs and outputs can be individually configured for use in various applications. Unlike most Air Zoe controllers, AZ-M2XXX is not aimed at a specific HVAC sequence or piece of equipment, and instead can be used to perform any outlying functions that are not usually covered by existing AZ Controllers. Outputs can be configured to respond to a variety of standard HVAC input signal types, ranging from temperatures, pressures, gas, tank level, flow, speed, voltages, currents, power and more. Multilevel measurements and output actions. Common models are **AZ-M2CO2** for CO2 Level Control for buildings, **AZ-MCOX** for Garage Exhaust Control for CO.

Features • Many input types available: Temperature, Pressure, **Gas**, Humidity, Current, Voltage & more. • Configurable names and display options for each input and output • Configurable **scales for pressure and gas inputs accommodates any sensor** • Outputs can act based on any local input • Various output logic sequences are available: ON/OFF, PI Loop, Direct or Reverse acting, Pulsed • Outputs can be interlocked with each other • Outputs can be automatically overridden based on outside temperature and/or occupancy • Operates standalone • Outputs can be configured to maintain a fixed setpoint or a variable setpoint based on a reset curve. • 2 outputs can be linked together w/ Lead/Lag and Backup capabilities. Optional UL Panel **AZP-M2XXX**

CO2, CO/NO2 Sensers for wall or duct measurement applications. Various ranges and options.

Basic Models include: **AZ-CD2R** CO2 Wall Sensor, **AZ-CD2D** CO2 Duct Sensor, **AZ-CMDR** CO Wall Senser & **AZ-CMDD** CO Duct Sensor Particle and other Gas Sensors Available

The **AZ-M2BLR** **Boiler Controller** is designed to control a variety of different boiler units and systems. The on-board microcontroller offers precise digital control to maximize performance. The available control sequences are fully configurable, either locally or remotely. The **AZ-MBLR** uses PI (Proportional-Integral) control loops to optimize boiler management and offers a variety of functions such as outdoor reset for the supply water temperature, lead-lag sequences for pumps and boiler stages, optional valve and boiler modulation, safety limits and more.

Features • Pump activity based on outside temperature or call for heat (or both) • Configurable pump exercise sequence for extended periods of inactivity • Supply water setpoint reset based on outside temperature • Control up to 4 boiler stages (multiple boilers or a single multistage boiler or combination) • Control up to 2 modulating boilers with optional backup stage • Various lead-lag sequences for the pumps and boilers • Internal clock with configurable schedules and calendars • Offset the supply water setpoint based on a network received demand or occupancy • Optional control sequence for a three-way valve • A manual/off/auto switch for each of the eight outputs • Remote monitoring and configuration • Standalone or networked (up to 127 nodes) • Proportional integral (PI) control loops maximize performance • 5 digital outputs and 3 analog outputs equipped with resettable fuses • Built-in protection sequences with configurable temperature limits and minimum delays • Dedicated input that requests maximum heat setpoint upon contact closure • Dedicated input that deactivates all boilers upon contact closure • Optional UL Panel **AZP-M2BLR**

D-VAC Sales Inc.

HVAC Manufacturer's Representative

200B Verdi St. Farmingdale, NY 11735
516 256-3131   sales@dvachvac.com

The **AZ-M2FCU Fan Coil Unit Controller** is designed to control a variety of 2-pipe and 4- pipe hydronic heating and cooling units. The on-board microcontroller offers precise digital control to maximize performance. The available control sequences are fully configurable, either locally or remotely. The **AZ-M2FCU** uses PI (Proportional-Integral) control loops to optimize HVAC management and offers a variety of functions such as 2-pipe automatic mode change based on water temperature, automatic purge cycles to verify water temperature and prevent stagnation in coils, secondary backup heat source control, and more.

Features • Designed for hydronic systems controlling a space temperature using a single space temperature sensor • Internal clock with configurable schedules and calendars • A manual/off/auto switch for each of the eight outputs • Remote monitoring and configuration • Stand-alone or networked (up to 127 nodes) • Proportional integral (PI) control loops maximize performance

• 5 digital outputs and 3 analog outputs equipped with self-resetting fuses • Automatic changeover between heating and cooling on 2-pipe systems • On/Off or modulating valve control for cooling and heating • Separate On/Off or modulating (PWM) aux heat output available • Configurable unoccupied mode sequences • Multi speed fan control options • Several configurable safety and efficiency limits available • Optional UL Panel **AZPL-M2FCU**

AZ-GFS-FA-(A B or C) **Filter Alarm** lets you know when the static pressure has increased and gives a visual LED indication. Comes complete with selected range pressure differential switching and wall Mount LED Indicator. **Ranges A**-0.08" to 1.20 "WC, **B**-0.2" to 2.00 "WC or **C** - 2.00" to 10.00 "WC
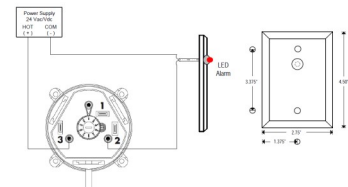
The **AZ-M2RTU Rooftop Controller** is designed to control a variety of different rooftop units or HVAC air treatment equipment. The on-board microcontroller offers precise digital control to maximize performance. The available control sequences are fully configurable, either locally or remotely. The **AZ-M2RTU** uses PI (Proportional-Integral) control loops to optimize HVAC management and offers a variety of functions such as economizer, preheating, CO2 levels, dehumidification, static pressure control and more.

Features • Internal clock with configurable schedules and calendars • A manual/off/auto switch for each of the eight outputs • Remote monitoring and configuration with FREE Prolon Focus software • Stand-alone or networked (up to 127 nodes) • Proportional integral (PI) control loops maximize performance • 5 digital outputs and 3 analog outputs equipped with resettable fuses • Built-in protection sequences with configurable temperature limits and minimum delays • Control up to 3 stages of heating and 4 stages of cooling • Configurable unoccupied mode sequences • FlexiZone system facilitates multiple zone management by evaluating the average weighted demand of the zones using customized groups • Demand controlled ventilation (DCV) and dehumidification sequences available • Optional Zoning **AZ-M2RTZ** • Optional UL Panel **AZPL-M2RTU** or **AZPL-M2RTZ**

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HVAC Manufacturer's Representive

200B Verdi St. Farmingdale, NY 11735
516 256-3131   sales@dvachvac.com

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