Solidyne

TECH/DATASHEET

M2-D
Revision 2 10/2006

M2-D Universal Controller

The M2-D is a low cost universal controller that is built onto the same chassis/mainboard as the M2-V. It has a different cover and updated terminal blocks. The M2-D was developed as a low point count controller designed to control Heat Pump type applications that require only a few inputs/outputs. Internal firmware of the M2-D will report the controller as an M2-V although the M2-D does not come with any plug in cards other than a 4 channel relay card (M2-R4).

For more technical details of this product, please refer to the M2-V documentation.

Specifications

Power Requirements

Input Voltage: 23 to 28 VAC 50/60 Hz
Consumption: 10VA
Input Voltage Fuse: Resetable fuse rated at 1.1A

Inputs/Outputs

Analog Inputs

- (3) Thermistor (3k, 10k, 100k)
- (2) 0-10v

Analog Outputs

- (2) 0-10v (can drive down to 10kohm loads)

Digital Outputs

- (4) Relay (via M2-R4 plug-in module)

Operating Environment

Temperature: 40 to 140 F (4 to 60 C) *
Humidity: 10-90% Relative, noncondensing **

* Storage Temperature: -10 to 150 F (-23 to 66 C)
** Storage Humidity: 0-95% Relative, noncondensing

Network Communication

Method: RS-485
Cable: 3 conductor, 18 guage, shielded, up to 8000ft max.
Baud Rate (selectable): 57.6k, 38.4k, 19.2k, 9600, 2400, 1200

Memory Backup

Battery: 7 year lithium

Physical Dimensions

Height: 70mm (2.75 in)
Width: 78mm (3.0 in)
Length: 160mm (6.3 in)
Mounting Holes: 148.5mm (5.85 in) Center to Center
Weight: 1.2lb

Agency Approvals

Listed Device: UL Listed under E76576 24G9

c UL us LISTED E75576

Wiring

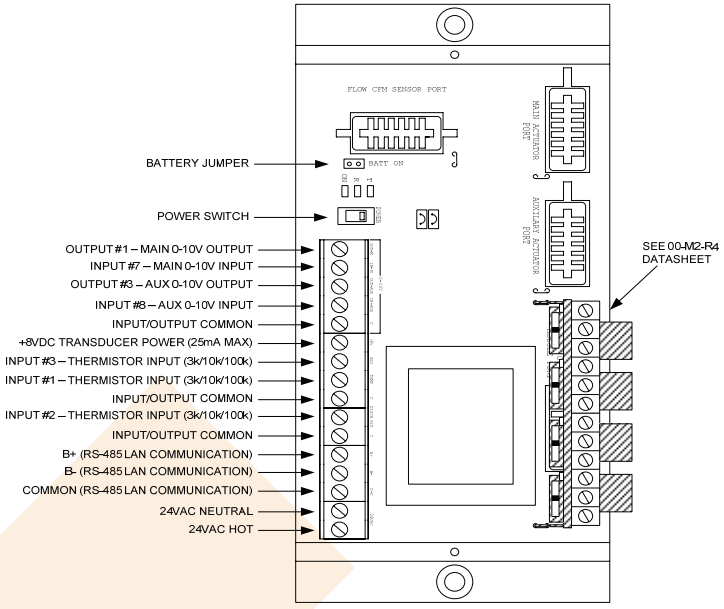

Figure 1

Cover Detail

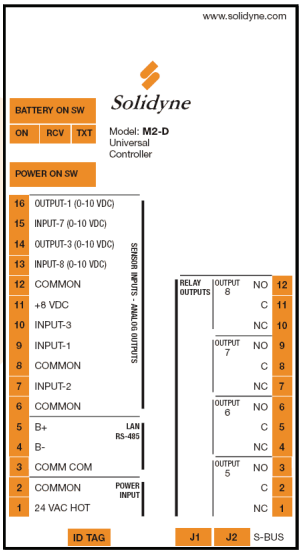

Figure 2