

## 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:** 2.5VA
- 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

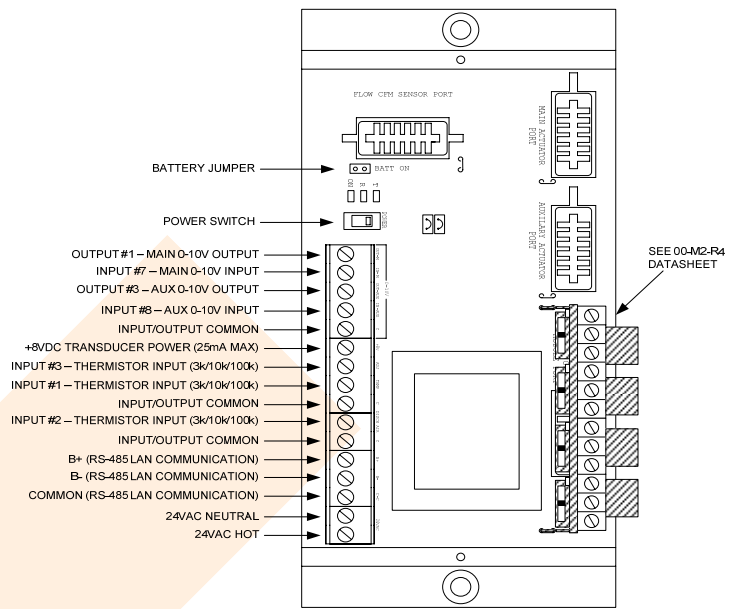
- Height:** 70mm (2.75 in)
- Width:** 78mm (3.0 in)
- Length:** 160mm (6.3 in)
- Mounting Holes:** 148.5mm (5.85 in) Center to Center
- Weight:** 1.2lb

### Agency Approvals

Listed Device: Pending

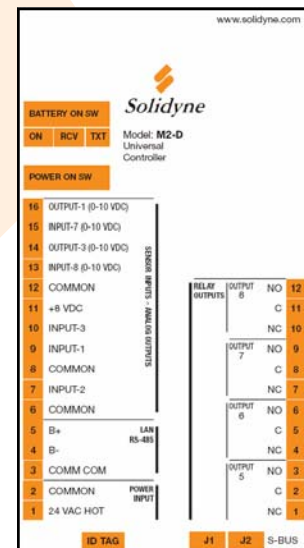
Solidyne is in the process of UL/CSA approval for the entire M2 controller family and associated modules. Please use Solidyne's UL project number E76576 24G9 for all references to agency approvals.

### Wiring



**Figure 1**

### Cover Detail



**Figure 2**

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