



ARC DEM MODULE

2021 CATALOGUE



THE **ARC DEM** DIGITAL EXPANSION MODULE PROVIDES FIVE DIGITAL INPUTS USING A SPECIFIC RESISTOR-TO-RESISTOR NETWORK CONNECTED TO AN ANALOG INPUT, WHICH ALLOWS A SINGLE ANALOG INPUT (WITH CAPABILITY TO MEASURE RESISTANCE BETWEEN 700 OHM TO 1600 OHM) TO MONITOR THE STATUS OF UP TO FIVE DRY CONTACTS.



GENERAL FEATURES & SPECIFICATIONS



Status Indicator

Built-in power and input LEDs indication and diagnostic purpose.

Relay Drive

External dry contact is driven by relay supports higher impedance load.

Electrical & Environmental Limits

- Power Supply: 24VAC +/- 5%, 1.2VA max, or (22~26) +/- 5%VDC
- Consumption: 50mA max @ 24VDC
- Operating Temperature: 32° to 150° F (0° to 65° C)
- Storage Temperature: -4° to 150° F (-20° to 65° C)
- Operating Humidity: 10% to 95% RH (non-condensed)

Input & Output

Digital Input:

5 Channels

- Limit: +25VDC at 500 Ohm Resistance Maximum

Analog Output:

1 Channel (connected back to ARC Controller)

- Resistance: 700 – 1600 Ohm, Normal Operation Range

Mechanical

- Dimension: 132mm (L) x 80mm (W) x 38mm (H)
- Material: ABS
- Weight: 157g

Jumpers

Built-in internal jumpers for easy diagnostic.

Ease of Installation

All I/Os are connected via field removable terminal block connectors for easy maintenance. The controller casing fits standard DIN rail mounting.