Input/output modules

This I/O module is designed to function as a DeviceNet node (group 2 slave) with termination points for connecting switches/sensors as well as output devices such as solenoid valves and relays. Outputs can be configured to fail on or off.

Inputs and outputs

- Two (2) discrete inputs
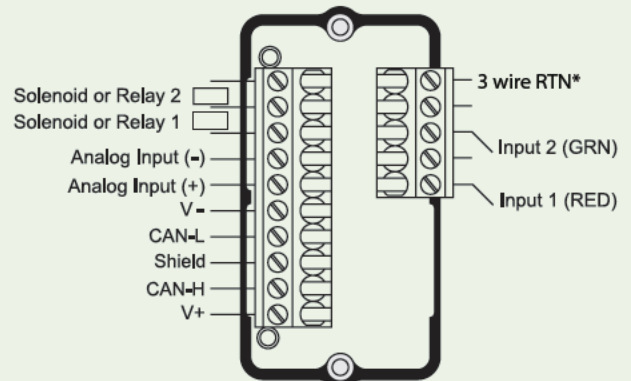- Two (2) discrete outputs
- One (1) analog (4 to 20 mA) input
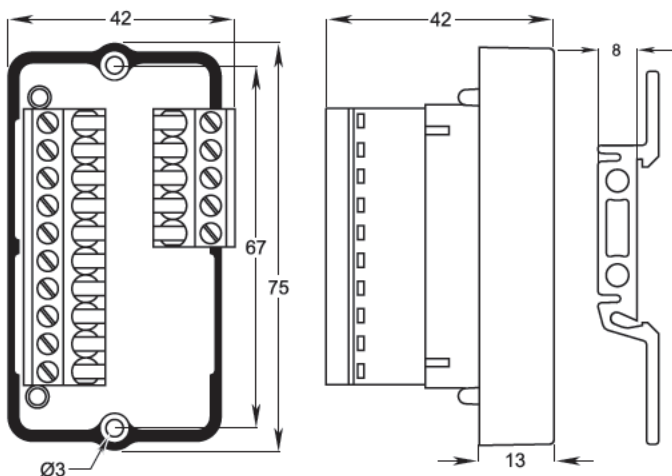
Other data

- Pre-determined output fail state

Specifications	
Discrete inputs	(2) 7 mA @ 24 VDC gold contact mechanical, low power reed, or proximity sensor
Discrete outputs	(2) 24 VDC (4 watts total power available)
Analog input	(1) Analog (4-20 mA) input 10-bit resolution (0.1%)
Operating voltage	24 VDC via DeviceNet voltage
Current consumption	< 60 mA (with no outputs energized)
Indication	(2) LEDs indicate discrete input status (red/green)
Data rate	125, 250, 500 Kb/s
Dimensions (L, W, H)	75mm, 42mm, 42mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

Wiring diagram

Solenoid or Relay 2
Solenoid or Relay 1
Analog Input (-)
Analog Input (+)
V -
CAN-L
Shield
CAN-H
V+

3 wire RTN*
Input 2 (GRN)
Input 1 (RED)

Only for use with 3 wire PNP sensors

Dimensions (mm)

42

42

8

67

75

Ø3

13

DIN rail clip only applies to DIN models.

DeviceNet features

Device type	Generic
Explicit peer-to-peer messaging	N
I/O peer-to-peer messaging	N
Configuration consistency value	N
Faulted node recovery	N
Baud rates	125K, 250K, 500K
Master/scanner	N

I/O slave messaging

Device type	Generic
Bit strobe	N
Polling	Y
Cyclic	Y
Change of state	Y

Valmet's professionals around the world work close to our customers and are committed to moving our customers' performance forward – every day.

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