

MODBUS *Modbus Input/Output Modules*
 461051 - (Flat mount)
 465013 - (DIN rail mount)

These I/O Modules are designed to function as Modbus nodes with termination points for connecting switches/sensors (discrete and analog), as well as outputs to operate devices such as low power solenoid valves and relays.

Inputs and Outputs

- Two (2) Discrete Inputs
- Two (2) Discrete Outputs
- One (1) Analog Input

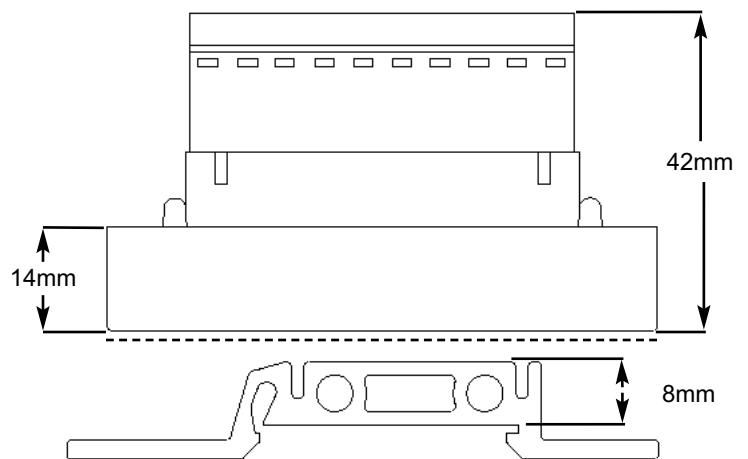
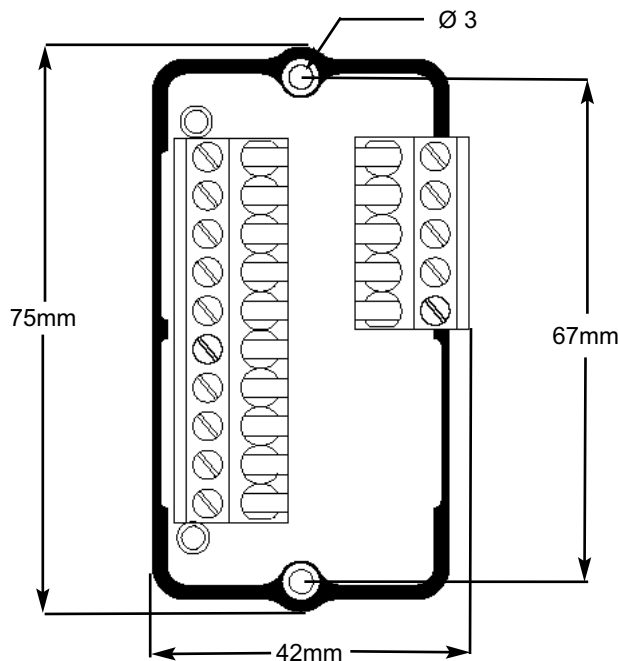
Features

- LED input displays for Inputs 1 & 2
- Pre-determined output fail state



(See reverse for specifications and detailed wiring instructions)

Input/Output Module Dimensions (in mm)



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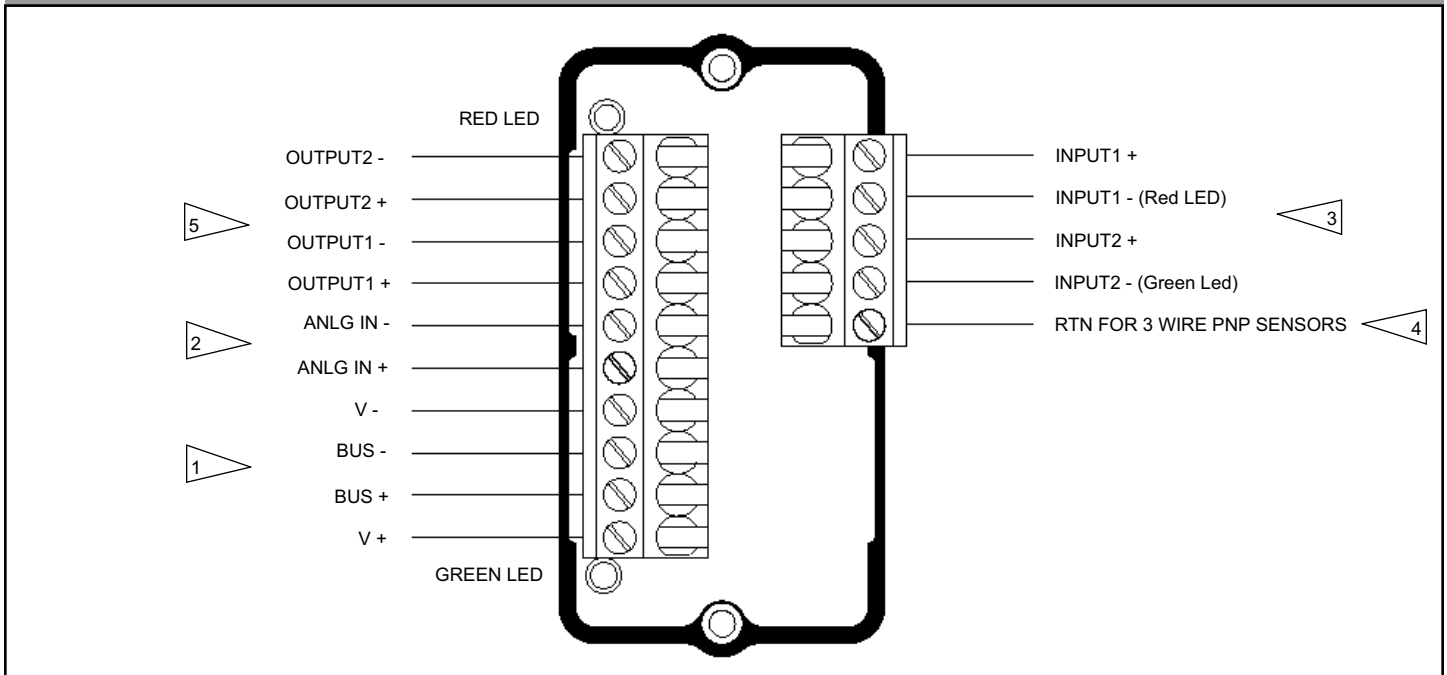
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Modbus 2 DI/2 DO/1 AI Input/Output Modules

Operating Voltage	24VDC (The 24VDC power source should share the same ground reference as the communication line)	Default Address	03
Discrete Inputs	(2) 7mA @ 24VDC gold contact mechanical, low power reed, or 2 wire solid state and 3 wire PNP solid state sensors	Bit Assignment:	
		Input Data	
		Input 1 (Red LED) = 10001 Input 2 (Green LED) = 10002 Analog Input = 30001	Output Data
Analog Input	(1) Analog (4-20 mA) input. 10 bit resolution (0.1%)	Temp Range	-40° to +80° C (-23° to 176° F)
Outputs	(2) 24VDC - Bus Powered (4 Watts total power available)	Operating Life	Unlimited
Current Usage	20mA (no I/O enabled)	Warranty	Two Years

Input/Output Module Wiring Diagram and Installation Notes



INSTALLATION NOTES:

1. Modbus bus communications connection points.
2. 24VDC Bus powered Analog Input device connection points. (4-20mA)
3. Bus powered Discrete Input connection points for low power (7mA @ 24VDC) gold contact mechanical switches, low power reed, or 2 wire solid state and 3 wire PNP solid state proximity sensors (max allowable current leakage of sensors 0.2mA). Red LED is local indication of discrete Input 1 on/off status and the Green LED for discrete Input 2 on/off status.
4. Connection point for the "return" of 3 wire PNP sensors. (See Note 3)
5. Connection points for 24VDC Bus powered Discrete Outputs (4 watts total power available) for low power solenoid valves and relays.