



AS-Interface Input/Relay Output Modules

461081 - (Interlocked Outputs, Flat mount)

461082 - (Independent Outputs, Flat mount)

465016 - (Interlocked Outputs, DIN rail mount);

465017 - (Independent Outputs, DIN rail mount)

These I/O Modules are designed to function as AS-Interface nodes with termination points for connecting switches/sensors, as well as relay outputs to operate devices such as motors and other high power devices. Relay Outputs can be either Interlocked to operate AC motors or, Independent to operate separate AC loads.

Inputs and Outputs

- Four (4) Discrete Inputs
- Two (2) Discrete Outputs
- Two (2) Discrete (Relay) Outputs

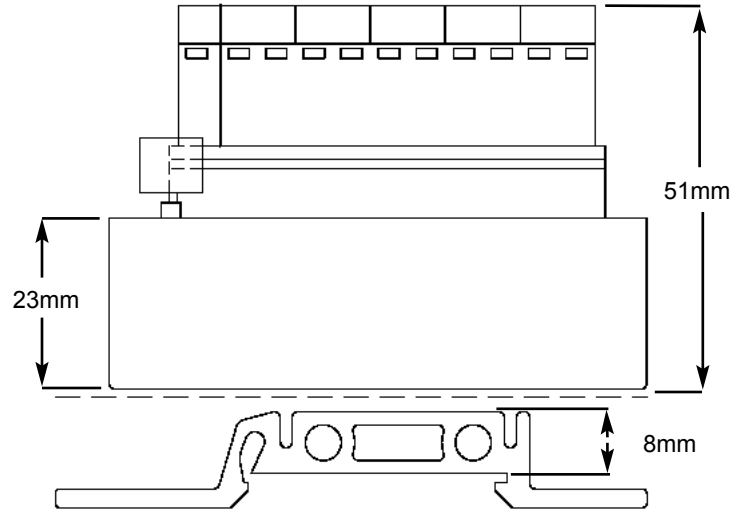
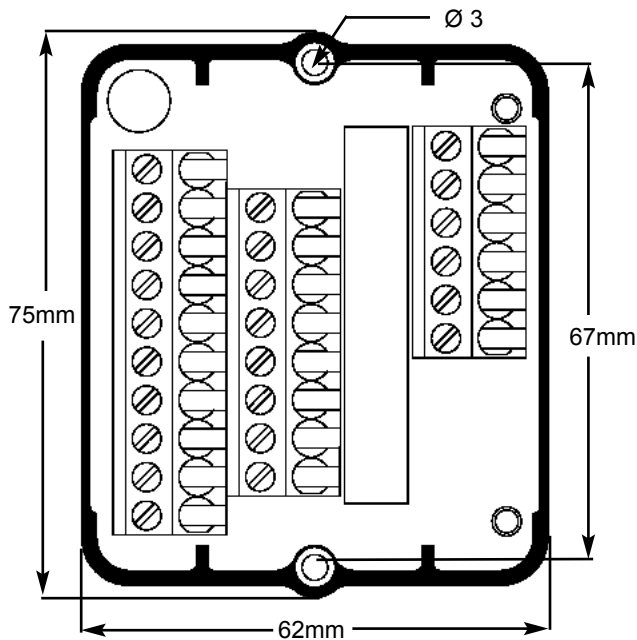
Features

- LED input displays for Inputs 3 & 4
- Direct mount or DIN rail mount
- Fuse protected relay outputs



(See reverse for specifications and detailed wiring instructions)

Input/Relay Output Module Dimensions (in mm)



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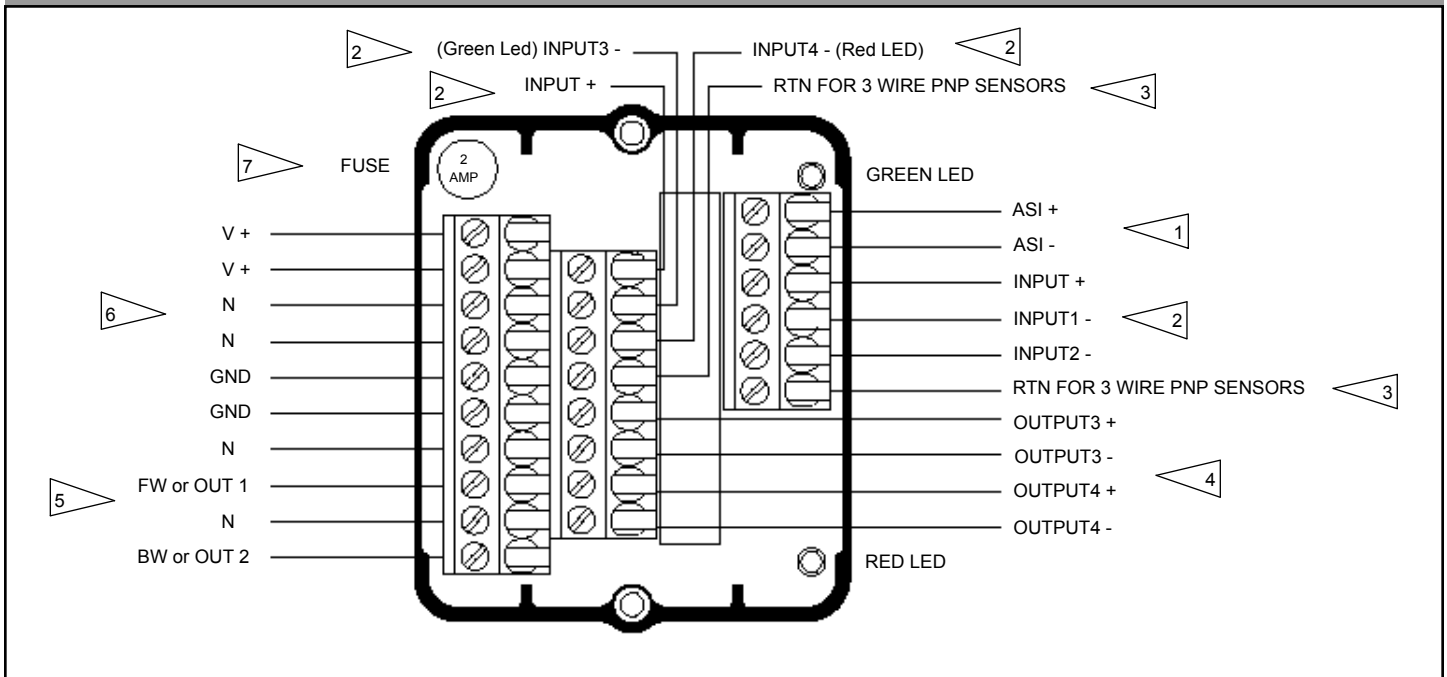
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AS-Interface 4 DI/2 DO/2 Relay DO Input/Output Relay Modules

Operating Voltage	AS-Interface voltage	Current Usage	40mA (no I/O enabled)
Inputs	(4) 3mA @ 28 VDC gold contact mechanical, low power reed, or 2 wire and 3 wire PNP solid state sensors	AS-Interface Profile	ID Code = F; I/O Code = 7 (4 DI/4 DO)
Outputs	(2) 28 VDC (4 Watts total power available)	Default Address	00
(Bus Powered)		Bit Assignment	<u>Input Data</u> <u>Output Data</u>
			Input 1= DI0 Output 1 = DO2
			Input 2= DI1 Output 2 = DO3
			Input 3= DI2 Output 3 = DO0
			Input 4= DI3 Output 4 = DO1
Relay Outputs	(2) 120/250VAC/30VDC fused @ 2 amps (Interlocked or Independent)	Temp Range	-25° to +70° C (-13° to 158° F)
External Voltage	Up to 250 VAC; 30 VDC	Operating Life	Unlimited
(For Relay Outputs)		Warranty	Two Years

Input/Relay Output Module Wiring Diagram and Installation Notes



INSTALLATION NOTES:

1. AS-Interface bus communications connection points.
2. Bus powered Discrete Input connection points for low power (3mA @ 28 VDC) gold contact mechanical switches, low power reed, or 2 wire and 3 wire PNP solid state proximity sensors (max allowable current leakage of sensors 0.3mA) . Red LED is local indication of discrete Input 4 on/off status and the Green LED for discrete Input 3 on/off status.
3. Connection point for the "return" of 3 wire PNP sensors. (See Note 2)
4. 28 VDC Bus powered Discrete Outputs. (4 watts total power available)
5. Connection points for devices to be controlled by the Relay Outputs. OUT1 and OUT2 are markings found on modules with independent outputs (461082, 465017). BW And FW markings are used on modules with interlocked outputs (461081, 465016). Modules with interlocked outputs are typically used with AC motors. BW and FW represent forward and reverse operation of the motor.
6. Connection points for external 120/250VAC or 30VDC power for devices connected to the Relay Outputs. V+, V+, N, N, GND, GND are redundant termination points. The external power source feeds both Relay Outputs
7. 2 amp replaceable fuse (Part# 434162) for Relay Output protection. (See Note 6)