



MDO2FS

2 Channel Digital Manual Override with Feedback

The MDO2FS is installed between a controller and an actuator to provide manual override when needed. In AUTO operation, up two (2) digital signals routed through the MDO2FS from controller(s) control each actuator (signal present or not present). Slide the override switch on either output from AUTO to HAND and it overrides the actuator with a maintained digital signal from the MDO2FS (using the same signal output voltage as the power supply provided). When the override switch is in HAND or OFF position, an alarm feedback will indicate the mode of

operation to the user by a contact closure. "Resistive output" and "alarm contacts closed in AUTO" is an option. On a power loss, the signal from the controller is restored to the controlled device. Other configurations are available, but additional lead time and possible quantity restrictions may apply. **Optional Feature:** If you require a Resistive Output, you must specify the following, Resistance Value, Wattage and Tolerance. Resistance Value: 1/4, 1/2, 1 and 3 watts and 1% and 5% tolerances for optional resistance feedback. Custom resistances, wattages, and tolerances may increase cost and lead times. Optional Feature: Product can be supplied with Alarm Contacts closed in AUTO position.

Applications: Allows Checkout of Actuator or Relay at Location, Provides Temporary Override if Controller Malfunctions, Handles Two Digital Signals

The MDO2FS is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI's Sensors & Transmitters catalog or can be found on ACI's website, which is: www.workaci.com.

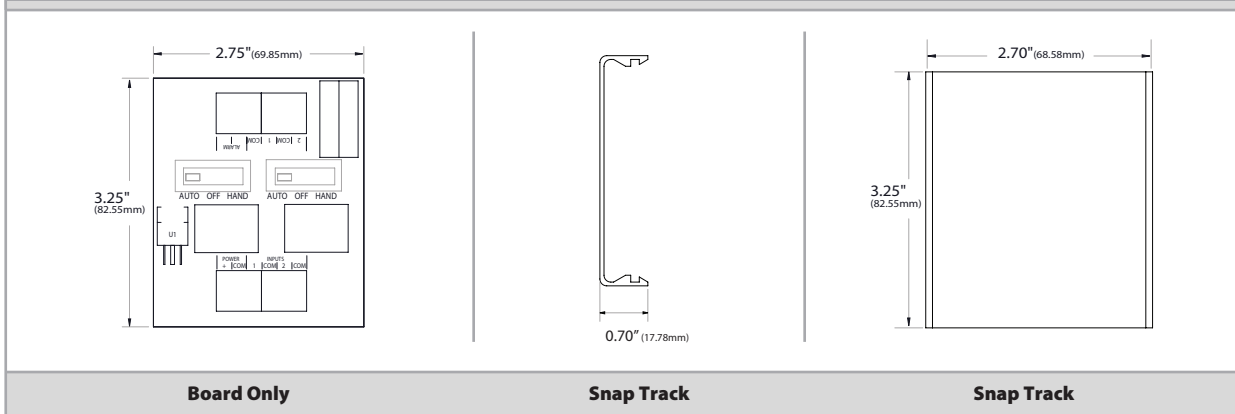
PRODUCT SPECIFICATIONS

Power Supply Voltage:	24 VAC or 24 VDC, +/- 10%
Power Supply Current:	37 mA maximum AC (switches in AUTO/OFF position) 4A maximum (switches in HAND position)
Input Signal Voltage:	4 VAC/DC +/-10%
Input Signal Current:	4A maximum
Output Signal Voltage:	Same as signal input
Output Signal Current:	Same as input with switches in AUTO position 4A maximum with switches in HAND position (providing power supply can provide 4 Amps)
Alarm Feedback:	Switch Closure, 24 VAC/VDC @ 2A maximum Standard: N.O. in AUTO operation (Optional: N.O. in HAND/OFF operation) Optional resistive feedback, 3 watts maximum
Operating Temperature Range:	35 to 120°F (1.6 to 48.9°C)
Operating Humidity Range:	5 to 95% non condensing
Connections:	90° Pluggable Screw Terminal Blocks
Wire Size:	16 (1.31 mm ²) to 26 AWG (0.129 mm ²)
Terminal Block Torque Rating:	0.5 Nm (Minimum); 0.6 Nm (Maximum)
Storage Temperature:	-20 to 150°F (-28.9 to 65.5°C)
Snaptrack Material:	Polyvinyl Chloride (PVC)
Snaptrack Flammability Rating:	UL94 V-0
Product Dimensions:	(L) 3.25" (W) 2.75" (H) 1.28" (101.60 x 101.60 x 34.92 mm)
Product Weight:	0.25 lbs. (0.113 Kg)
Agency Approvals:	RoHS2, WEEE





DIMENSIONAL DRAWING



STANDARD ORDERING

Model # Example: **MDO2FS** -OR- **127746**

Model #	Item #	Description	Features
MDO2FS	127746	2 Channel Digital Manual Override	On power loss, the signal from controller is restored to the controlled device

ACCESSORIES

Model # Example: **A/DO008** -OR- **142583**

Model #	Item #	Description
A/DO008	142583	Transient Voltage Suppressor, Bi-directional, 56 VAC/DC, 1500W
A/DRC 2.7 X 3.25	142624	DIN Rail Adapter Kit