



MAO

Manual Analog Override Switch, Alarm

The MAO installs between a controller and an actuator to provide adjustable analog manual override when needed. In normal operation, two (2) analog signals route from the controller through the MAO to each actuator. Flip the override switch from automatic to manual on either MAO output and vary the analog signal independently. Each output can have a different span and can be analog current or voltage. When a switch is in manual position, an alarm output contact is made or broken (optional) to indicate override is in effect.

Applications: Temporary Override if Controller Malfunctions, Checkout of Actuator & Linkage Operation, Alarm Feedback During Override

The MAO 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.

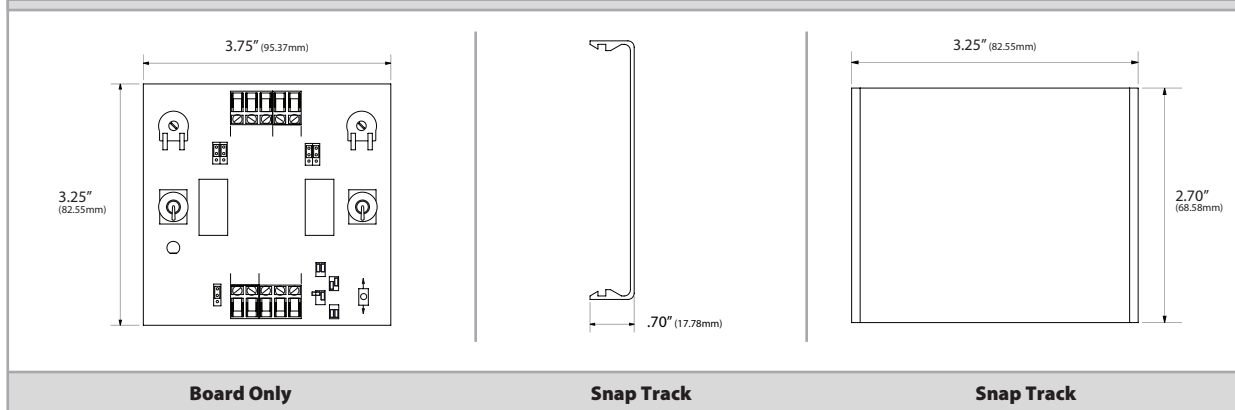
PRODUCT SPECIFICATIONS

Supply Voltage:	24 VAC or 24 VDC, +/- 10%
Supply Current:	100 mA maximum
Alarm Output (Feedback):	N.O. in auto, N.C. in manual (optional: N.C. in auto, N.O. in manual)
Optional Resistive Alarm Output:	3 Watts or 2A maximum (state resistance value when ordering)
Alarm Output Current Rating:	2A maximum
Override Analog Input Voltage Range:	0-24 VDC (Manual Mode)
Override Analog Input Current:	2A maximum (Manual Mode)
Override Analog Input (Selectable) Range (@ Impedance):	0-5 VDC @ 250Ω minimum 0-10 VDC @ 500Ω minimum 0-15 VDC @ 750Ω minimum 0-20 mA @ 750Ω maximum
Accuracy:	+/- 4% of maximum output
Override Analog Output Voltage Range:	0-24 VDC
Override Analog Output Current:	2A maximum or same as override input (Auto Mode)
Operating Temperature Range:	35 to 120°F (1.7 to 48.9°C)
Operating Humidity Range:	10 to 95% non condensing
Connections:	45° Captive 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:	0 to 150°F (-17.8 to 65.5°C)
Snaptrack Material:	Polyvinyl Chloride (PVC)
Snaptrack Flammability Rating:	UL94 V-0
Product Dimensions:	(L) 3.75" (W) 3.25" (H) 1.25" (95.25 x 82.55 x 31.75 mm)
Product Weight:	0.29 lbs. (0.131 Kg)
Agency Approvals:	RoHS2, WEEE





DIMENSIONAL DRAWING



STANDARD ORDERING

Model # Example: MAO -OR- 102588

Model #	Item #	Description
MAO	102588	Manual Analog Override Switch, Alarm

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

