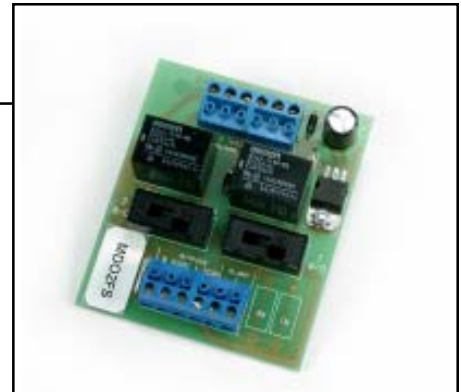


Fail-safe Two Channel Manual Digital Override w/ Feedback

FEATURES

- Simulates digital inputs for override of controlled device
- HAND/OFF Alarm feedback to alert BAS operator
- MDO2FS handles up to 24VAC or 24VDC Signal
- Compact size - mounts in snap track
- Fail-safe - Always returns the control to the controller if power fails to the MDO2FS.



APPLICATIONS

- Allows checkout of Actuator or Relay at the location
- Provides temporary override if Controller malfunctions

PRODUCT DESCRIPTION

The MDO2FS is designed to be installed between a controller and an actuator to provide manual override when needed. In AUTO operation up two (2) digital signals can be routed through the MDO2FS from the controller(s) to each actuator (signal present or not present).

Slide the override switch on either output from AUTO to HAND, and you override the actuator with a maintained digital signal from the MDO2FS. It uses a signal output voltage equal to the power supply provided.

With the override switch in HAND or OFF position, an alarm feedback contact closure will indicate those modes are in use. An option of alarm contacts open in HAND or OFF position is available (specify).

An optional resistive alarm feedback output in HAND or OFF position is available to indicate either or both channels.

If power is lost to the MDO2FS, the signal from the controller is restored to the controlled device.

ORDERING INFORMATION

Specify: MDO2FS (also see optional features below)

Other configurations are available, but additional lead time and possible quantity restrictions may apply.

Optional Hand/Off Alarm Feedback Feature: If you require a Resistive Output, you must specify when ordering, the Resistance Value* and Tolerance. * Please specify 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 Hand/Off Alarm Feedback Feature: Product can be supplied with Alarm Contacts open (instead of closed) in HAND and OFF position. If required, please specify when ordering .

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage	24VAC +/-10% 50/60 Hz, 24VDC +/-10%
Supply Current	37mA max AC with switches in AUTO/OFF positions 4A max with switches in HAND position.

Signal

Signal Input	24VAC +/-10%, 24VDC +/-10%
Signal Input Current	4A maximum
Signal Output	Same as signal input
Signal Output Current	Same as input with switches in AUTO position. 4A maximum with switches in HAND or OFF position providing power supply can provide 4 Amps

Alarm Feedback

Switch Closure, 24VAC/VDC@ 2A maximum
Standard: N.O in AUTO operation (Optional: N.O. in HAND/OFF operation)
Optional HAND/OFF resistive alarm feedback, 3 watts maximum. Each MDO2FS can be set up to have a distinctive alarm feedback resistance to identify either or both channels (talk to our sales engineers about your requirements).

Mechanical Requirements

Connections	90° plug-in terminal blocks
Dimensions	3.250" L x 2.750" W x 1.280" H
Weight	5 oz.
Mounting	2.750" length of snap track

Environmental Requirements

<i>Operating Temperature Range</i>	0 to 120 degrees F
<i>Storage Temperature Range</i>	-40 to 150 degrees F
<i>Operating Humidity Range</i>	5 to 95% non-condensing