

FEATURES

- Simulate digital inputs for override of controlled device
- Alarm feedback to indicate override is selected
- Handles up to 24VAC/VDC Signal
- Compact size - mounts in snap track
- Fail safe model (MDO2FS) always returns control to the controller if power fails.



APPLICATIONS

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

PRODUCT DESCRIPTION

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 you override the actuator with a maintained digital signal from the device, 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.

At power loss, the signal from the controller is restored to the controlled device.

ORDERING INFORMATION

Specify: MDO2FS

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, 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 Feature: Product can be supplied with Alarm Contacts closed in AUTO position.

SPECIFICATIONS

Electrical Requirements

Power Supply MDO2FS

| | |
|----------------|---|
| 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 position providing power supply can provide 4 Amps |

Alarm Feedback MDO2FS

Switch Closure, 24VAC/VDC@ 2A maximum
Standard: N.O in AUTO operation (Optional: N.O. in HAND/OFF operation)
Optional resistive feedback, 3 watts maximum

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 |

Specifications may change without notice to improve performance or functionality.