



# Interval On Solid State Timer

# MDS

## Specifications

### Electrical

**Input Voltage:** 24 to 220V  $\pm 10\%$

**Frequency:** AC - 50/60Hz

### Time Delays:

Type: Adjustable, Factory Fixed or Remote

Range: 100 Milliseconds to 5 Minutes

Repeat Accuracy:  $\pm 1\%$  with Fixed Conditions

### Reset Times:

During Timing: 100 Milliseconds, Typical

After Timing: 70 Milliseconds, Typical

**Protection:** Varistor and/or R-C Network

**Power Consumption:** 2VA

### Output Ratings:

Type: Solid State

Form: One Normally Open (1NO, Form A)  
Non-Isolated

Rating: 1 Amp Continuous @ 25°C

Resistive: 100%PF

Inductive: 75-80%PF

15 Amps Inrush, Non-repetitive

30 mA to ensure Turn-on

Operations: 100,000 Cycles

(Cycles were selected to satisfy  
minimum testing at UL.)

### Physical

**Mounting:** Surface, #6 Screws

**Termination:** Screw or .25" Push-On Tabs

**Packaging:** Epoxy Filled

**Weight:** 4 Oz.

### Ambient Temperatures

**Operating:** 0°C to 65°C

**UL Operating:** 0°C to 40°C

**Storage:** -30°C to 85°C

### Notes:

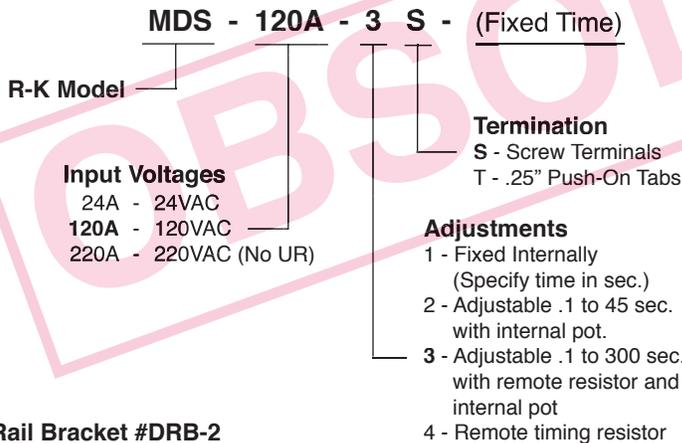
Remote Timing Resistors - multiples of 2.7 megohms will increase the time delay by 1 minute  $\pm 20\%$ .

For adjustment codes 3 & 4 a jumper or resistor must be installed across terminals 5 and 6 to allow the timer to time out.



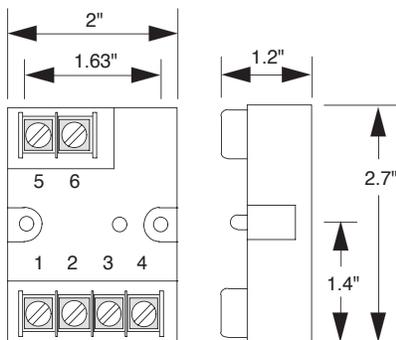
- 1 Amp Output, 1NO
- Indicating LED
- Fixed or Adjustable Delays
- Screw Terminals or Push-On Tabs
- Voltages from 24 to 220VAC
- Epoxy Filled

## Ordering Information



DIN Rail Bracket #DRB-2

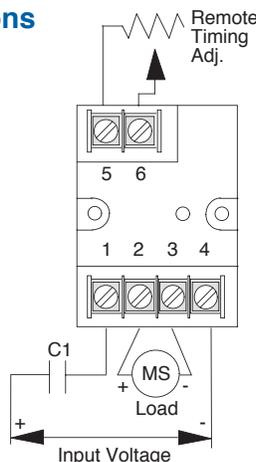
## Dimensions



## Connections

MS = Load (Motor Starter)

C1 = Control Contact



## Operation

### Interval On

When input voltage is applied to the MDS, the load is energized and the timing cycle begins. At the end of the timed period the load is de-energized and the timing circuit is reset. Removal of input voltage during or after the timing cycle will de-energize the load and reset the timing circuit.

