On Delay
Solid State Timer

MCS

Specifications

Electrical
Input Voltage: 24 to 240V, ±10%
Frequency: AC - 50/60Hz
DC - Filtered to Full Wave
Time Delays:
Type: Adjustable, Factory Fixed or Remote
Range: 100 Milliseconds to 5 Minutes
Repeat Accuracy: ±1% with Fixed Conditions
Fixed Time Accuracy: ±20% worst Case
Reset Times:
During Timing: 50 Milliseconds, Typical
After Timing: 5 Milliseconds, Typical
Protection: Varistor and/or R-C Network
Power Consumption: 5VA
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 mAmps 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 ±20%.

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

Ordering Information

MCS - 120A - 3 S - (Fixed Time)

R-K Model

Input Voltages
24D - 24VDC
24A - 24VAC
120A - 120VAC
240A - 240VAC

Termination
S - Screw Terminals
T - .25" Push-On Tabs

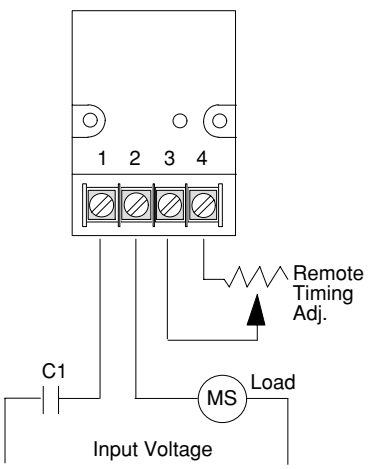
Adjustments
1 - Fixed Internally (Specify time in sec.)
2 - Adjustable .1 to 45 sec. with internal pot.
3 - Adjustable .1 to 300 sec. with remote resistor and internal pot
4 - Remote timing resistor

DIN Rail Bracket #DRB-2

Connections

The MCS operates with the Load in series with the timer. A Load must always be connected in series with the MCS to avoid damage.

MS = Load (Motor Starter)
C1 = Control Contact

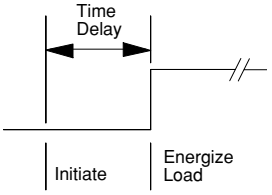


- **1 Amp Output, 1NO**
- **Indicating LED**
- **Fixed or Adjustable Delays**
- **Screw Terminals or Push-On Tabs**
- **Voltages from 24 to 240VAC**
- **Epoxy Filled**

E71902

Operation

On Delay
When input power is applied to the MCS, the timing cycle begins. At the end of the timed period the load is energized. When input power is removed, the timing circuit is reset and the load is de-energized.



Dimensions