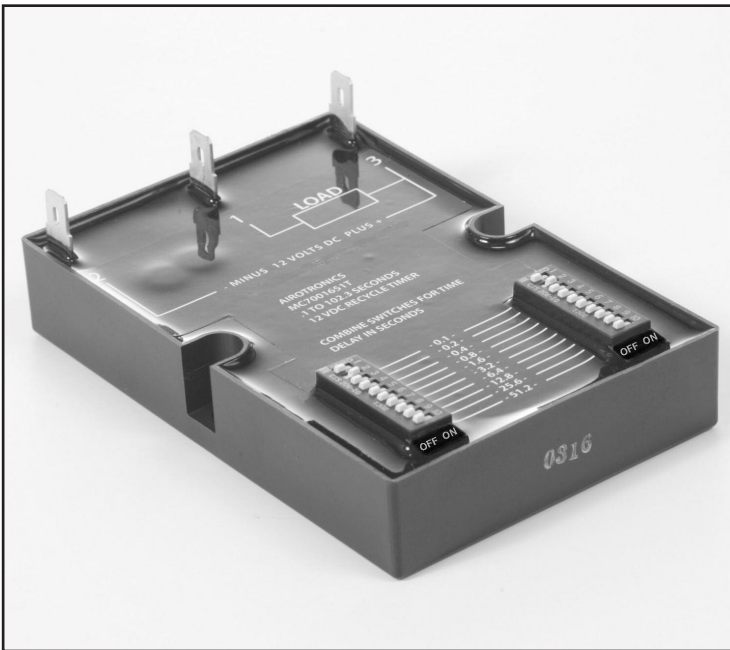


Timing Mode: **REPEAT CYCLE, ON/OFF or OFF/ON**  
Category: **MICROPROCESSOR**  
Series: **SOLID STATE OUTPUT**

## MC SOLID STATE, DUAL DIPSWITCH ADJUSTMENT



### MC Dual Adjust Recycle

The MC series offers accurate microprocessor-based circuitry with solid state output.

On and off time periods have 10 bit binary dipswitch adjustments in seconds, minutes or hours.

On and off time periods are customer-selected and offer many timing options.

Any time range may be selected for either the "On" or "Off" time period.

"On" and "Off" time periods may be dissimilar. Available with On/Off Delay or Off/On Delay.

### Timing Mode

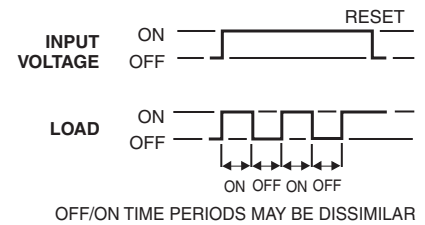
On/Off Delay shown, Off/On Delay available

Application of input voltage to the timer starts the "On" time delay, and energizes the load.


At the end of the "On" time delay, the load is de-energized, and the "Off" time delay starts.

At the end of the "Off" time delay, the load is again energized, the timer returns to the "On" time delay, and the cycling continues as long as input voltage is applied.

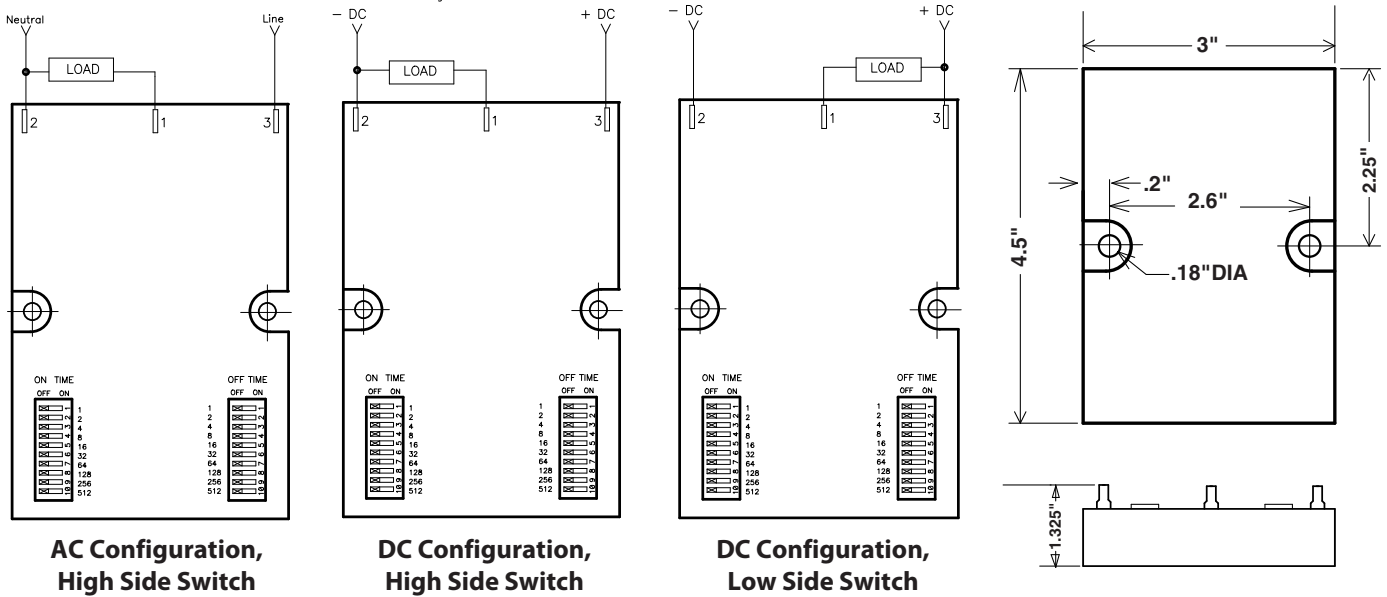
Removal of the input voltage resets the timer.



## FEATURES

- Microprocessor-based for accuracy
- Binary dipswitch adjustable
- Wide variety of time ranges for both on and off times
- AC and DC input voltages
- 20 millisecond repeatability
- Totally encapsulated for protection in harsh and humid environments
-  RoHS compliance available

## BASIC WIRING AND DIMENSIONS



**AC Configuration,  
High Side Switch**

**DC Configuration,  
High Side Switch**

**DC Configuration,  
Low Side Switch**

## SPECIFICATIONS

**Input Voltage:**  $\pm 10\%$

VDC: 12 or 24

VAC: 24, 48, 120 or 230, 60Hz

**Time Delay:**

Timing Mode: Recycle

Type: 10 bit digital programmable

Time Range: 0.1 second–10230 hours

Time Adjustments: Dipswitch

**Repeatability:**  $\pm 20$  milliseconds

**Setting Accuracy:** 0.5% Full Scale

**Reset Time:** 3 seconds

**Protection:** Transient Protection 45 joules

**Temperature Ranges:**

Storage:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

Operating:  $-25^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$

**Physical Data:**

Mounting: Surface with (2) #8 screws

Connection & Termination: 0.25" quick connects

**Noise Immunity:** Tested to IEC Light Industrial EFT Spec.

## OPTIONS SELECTION

**MC**  **00199**

**Voltage**

- 1 120 VAC
- 2 230 VAC
- 3 24 VAC
- 4 24 VDC
- 5 48 VAC
- 7 12 VDC

**Output**

- T** 1 amp AC solid state
- F** 1 amp DC solid state

**S**

**Cycle  
Option**

- 1 On Time First
- 2 Off Time First

**On Time**

- 1 0.1 to 102.3 sec
- 2 1 to 1023 sec
- 3 10 to 10230 sec
- 4 0.1 to 102.3 min
- 5 1 to 1023 min
- 6 10 to 10230 min
- 7 0.1 to 102.3 hrs
- 8 1 to 1023 hrs
- 9 10 to 10230 hrs

**Off Time**

- 1 0.1 to 102.3 sec
- 2 1 to 1023 sec
- 3 10 to 10230 sec
- 4 0.1 to 102.3 min
- 5 1 to 1023 min
- 6 10 to 10230 min
- 7 0.1 to 102.3 hrs
- 8 1 to 1023 hrs
- 9 10 to 10230 hrs

**Switch**

- H** High side driver
- L** Low side driver

*L option available  
in DC only*