

# Repeat Cycle Plug-In Timer

# **CLRB**

## **Specifications**

#### **Electrical**

#### Input Voltage:

24 or 115VAC ±10%, 50/60Hz.

24 or 125VDC ±10%, Filtered to Full Wave.

#### Time Delays:

Type: Adjustable or Factory Fixed Range: 50 Milliseconds to 24 Hours Repeat Accuracy: ±0.2% of Time Range or

±10Milliseconds, Whichever is Greater. Fixed Time Accuracy: ±5% Worst Case Reset Times: 50 Milliseconds, Typical **Protection:** Varistor and/or R-C Network

Power Consumption: 5VA

Output Relay: 10 Amps @ 120/240VAC 500,000 Full Load Electrical Cycles 50,000,000 Mechanical Cycles

### **U.L. Ratings:**

6.5 Amps, 1/3 HP, 125VA @ 240VAC 7 Amps, 1/6 HP, 125VA @ 120VAC

**Ordering Information** 

### **Physical**

Mounting: Plug-In

Termination: 8 or 11 Pin & Blade Base

Packaging: Dust Cover

Weight: 7 Oz.

#### **Ambient Temperatures**

Operating: -10°C to 65°C U.L. Operating: -10°C to 40°C Storage: -10°C to 85°C



- Independent On & Off Adjustments
- Digital CMOS Design
- · 10 Amp, DPDT
- ±0.2% Repeatability
- Transient Protected
- On Time Ranges
  Up To 24 Hours
- Off Time RangesUp To 24 Hours



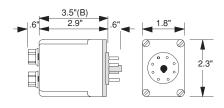
E71902

#### CLRB - 115A - 2 - 30S - 10S R-K Model **Time Delays** 0.5S - 0.05 to 0.5 Sec. 1S - 0.05 to 1 Sec. 5S - 0.05 to 5 Sec. **Input Voltages** 10S - 0.1 to 10 Sec. 24D - 24VDC 30S - 0.3 to 30 Sec. 125D - 125VDC 1M - 0.6 Sec. to 1 Min. 24A - 24VAC 2M - 1.2 Sec. to 2 Min. 3M - 1.8 Sec. to 3 Min. 115A - 115VAC 5M - 3 Sec to 5 Min. 10M - 6 Sec. to 10 Min. **Adjustments** 20M - 12 Sec. to 20 Min. 1 - Fixed (specify time) (DPDT-8 Pin) 30M - 18 Sec. to 30 Min. 1B - Fixed (specify time-Blade) (DPDT) 1H - 36 Sec. to 1 Hr. 2 - Knob On Top (DPDT-8 Pin) 5H - 3 Min. to 5 Hr.

Off

On

# **Dimensions**

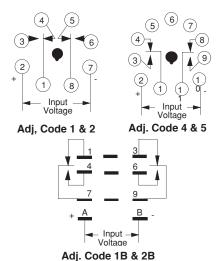


2B - Knob On Top (DPDT-Blade)

5 - Knob On Top (DPDT-11 Pin)

4 - Fixed (specify time) (DPDT-11 Pin)

#### **Connections**



24H - 14.4 Min to 24 Hr.

## **Operation**

# **Repeat Cycle**

When input voltage is applied to the CLRB, the first delay period (off time) begins. At the end of the off time period, the internal relay is energized and the second delay period (on time) begins. At the end of the on time, the internal relay is de-energized. The CLRB will continue to cycle the internal relay until the input voltage is removed. Separate knobs are used to adjust the off and on times. (The CLRB is also available with reverse operation.)

