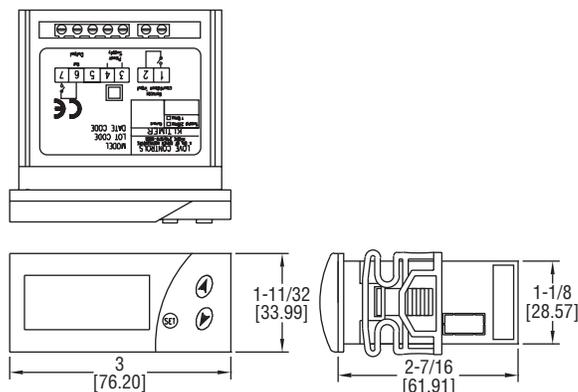




## Series LCT316 Low Cost Digital Timer

## Specifications - Installation and Operating Instructions



The Series LCT316 Low Cost Digital Timer provides accurate countdown timing for a variety of applications. The timer can be triggered remotely using the digital input terminals or locally via the set button. Time intervals can be set up to 999 minutes or seconds. The Series LCT316 has an internal buzzer to alert when the time interval has expired.

## INSTALLATION

## NOTICE

Unit must be mounted away from vibration, impacts, water and corrosive gases.

- Cut hole in panel 2.80 x 1.14 inches (71 x 29 mm).
- Apply silicone (or rubber gasket) around the perimeter of the hole to prevent leakage.
- Insert unit into hole of panel.
- Slide removable fitting clips onto unit from the back until secure to panel.
- Wiring diagram as seen in figure A is displayed on the top of the unit.

## SPECIFICATIONS

**Operating Temperature Range:** 32 to 158°F (0 to 70°C).

**Control Output Ratings:** Relay, SPST NO, 16A at 250 VAC resistive.

**Weight:** 5.6 oz (158.8 g).

**Status Light:** LED shows time and operation.

**Inputs:** Digital input for start and reset.

**Supply Voltage:** 115 VAC, 230 VAC, 12 VAC/DC, 24 VAC/DC depending on model.

**Power Consumption:** 4VA.

**Agency Approvals:** CE, UR.

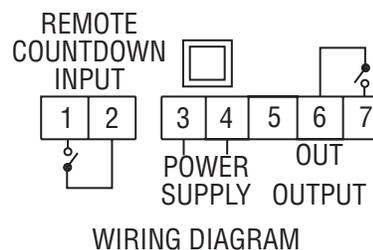


Figure A

## PARAMETERS

	Description	Units	Range
Ut	Time unit	option	Min/Sec
Top	Maximum time interval	time unit	1 to 999
Bc	Alarm	option	On/Off
Man	Manual control	option	On/Off

### Parameter Descriptions

- Ut = Time unit - Minutes (min) or Seconds (sec).  
Top = Maximum Time Interval - For local starts via the set key. Remote starts count down from this value.  
Bc = Alarm - Buzzer sounds when the countdown expires or is stopped by the user via the SET key.  
Man = Manual Control - When the timer countdown is not desired, the timer can be operated to open and close the relay for indefinite periods of time. Switch the relay output off and on by means of the SET key.

### Programming Parameters

- Press set for 8 seconds. The first parameter label is shown on the display (Ut).
- Move to the desired parameter with the UP and DOWN keys.
- Press SET to view the value on the display.
- The value can be modified with the UP and DOWN arrows.
- Press SET to store the value and exit to next parameter.
- Press SET and DOWN at the same time to quit programming or wait one minute and the display will automatically exit programming mode.

### NOTICE

If the timer is activated via digital input during a previously running countdown, the timer will reset to the Top parameter and initiate a new countdown.

### Local Operation

The user can set and activate the timer using the front keys.

- During Standby mode, press SET and "0" will be shown on the display.
- Modify the time interval with the UP and DOWN keys.
- Press SET to enter it and start the timer (close the relay output).
- To deactivate the timer (open the relay output), hold SET down for 1 second.

### NOTICE

The time interval cannot exceed the pre-programmed "Top" parameter.

## BUZZER

When the timer interval has expired, an internal buzzer will beep two times. This double beep will only occur once.

## LED INDICATIONS

Upper LED Flashes during timer countdown.

Lower LED This indicates the system is in Manual Control Mode.

## DISPLAY MESSAGES

In normal operation, the countdown time will be shown on the display.

- Run = Briefly displays when the timer is initiated.
- End = Briefly displays on the screen when the timer is stopped or at the end of time cycle.
- Off = Standby Mode.
- On or Off = Displayed during manual control.
- Er = Memory Error

## MAINTENANCE

Upon final installation of the Series LCT316 Low Cost Digital Timer, no routine maintenance is required. A periodic check of system calibration is recommended. The Series LCT316 is not field serviceable and should be returned if repair is needed (field repair should not be attempted and may void warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return goods authorization number before shipping.