

# PROGRAMMABLE LCD TIMER

- 1/16 DIN Front Panel (48 X 48mm)
- Economically Priced
- Similar in Appearance and Size To Temperature Control T3S On Page 9
- Operating Voltage Flexibility (100-240Vac or 24-240Vdc)
- Ten Timing Ranges
- Three Digit Digital Display
- 0-100% Bar Graph Display
- Graphic Relay Contact Display
- 5 Amp Relay Contacts

The LE3 1/16 DIN Timer is a LCD display timer that features excellent application flexibility with 10 timing ranges from 0.01 second to 9 hours, 59 minutes that are front panel selectable. The LCD provides the operator with a wide range of information; output relay contact status, time remaining during timing cycle, a bar graph indicates percentage of elapsed time in the cycle, and time unit.

**SPECIFICATIONS (All Models)**

**TIMING RANGES**

- 0.01 Sec. to 9.99 Sec.
- 0.1 Sec. to 99.9 Sec.
- 1 Sec. to 999 Sec.
- 0.1 Min. to 99.9 Min.
- 1 Min. to 999 Min.
- 0.1 Hr. to 99.9 Hr.
- 1 Hr. to 999 Hr.
- 10 Hr. to 9990 Hr.
- 0 Min. 1 Sec. to 9 Min. 59 Sec.
- 0 Hr. 1 Min. to 9 Hr. 59 Min.

**TIME SETTING**

Front Panel Pushwheel Switch

**TIME REPEAT ACCURACY**

- ±0.005% Timing
- ±0.03 Sec. for Input Signals
- ±0.05 Sec. on Power Up

**OPERATING POWER**

- LE3S: 100-240Vac, 24-240Vdc
- LE3SA: 110Vac
- LE3SB: 110Vac

**CONTROL VOLTAGE INITIATE TIME**

0.05 Sec.

**MEMORY**

Non-Volatile Circuitry

**POWER CONSUMPTION**

5 VA

**RELAY MECHANICAL LIFE**

10 Million



The timing preset is displayed on the pushwheel switches. The 1/16 DIN size timer can be front panel mounted using supplied panel mount clips or it can be base mounted using an appropriate 8-pin socket. Two models are also available; Model LE3SA which provides a DPDT timed output and Model LE3SB which provides a SPDT timed output and a SPDT instantaneous output.

**DISPLAY**

LCD Numeric & Graphic

**TERMINATION**

8 Pin Plug-In

**MOUNTING**

Front Panel, Base, DIN Rail

**OPERATING TEMPERATURE**

-10 to +55°C

**TIMING MODES**

LE3SA, LE3SB: On-Delay

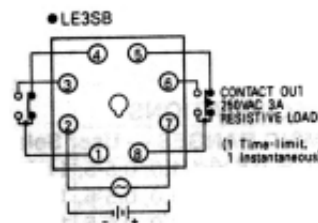
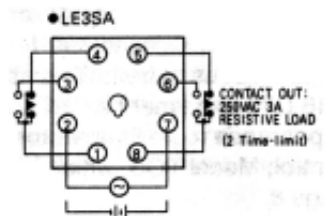
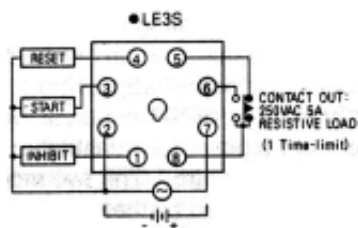
LE3S Only

- A On-Delay - Sustained Start** - Resets Either Reset Input or Removal of Start
- B Interval Delay - Sustained Start** - Resets with Input or Start Removal
- C On-Delay - Momentary or Sustained Start** - Resets Only with Reset Input
- D Repeat Cycle - Off Time First - Sustained Start** - Reset, Removal of Start
- E Repeat Cycle - On Time First - Momentary or Sustained Start** - Reset Only with Reset Input

**ORDERING INFORMATION**

Part Number	Timing Mode	Relay Outputs
LE3S-110	10 Modes	1C, SPDT
LE3SA-110	ON-Delay	2 Each, SPDT Timed
LE3SB-110	ON-Delay	1 SPDT Timed, 1 SPDT Instantaneous
AZ58	8-Pin Base Mount Socket	
AZ68	8-Pin DIN Rail Socket	

**WIRING**



**F Repetitive Pulse** - Pulse Output 0.3 Sec. - Sustained or Momentary Start - Reset Only with Reset Input

**H Off Delay/Reset Input or Applying Start**

**K On/Off Delay** - Really an Interval Function - Triggered by Applying Start and Removing Start, Reset Input

**L One shot Output (Interval) - Sustained or Momentary Start** - Reset with Reset Input or by Applying Start

**N Time Accumulation with Start Input** - Reset Only with Reset Input

**SELF RESET**

10ms

**OPERATING POWER**

110Vac; 50/60 Hz.

**APPROVALS**

UL, C-UL, CE



**RELAY OUTPUT**

- LE3S: 1C, SPDT
- LE3SA: 2 SPDT Timed
- LE3SB: 1 SPDT Timed, 1 SPDT Instant