T1 TIMER (Delay On Make)

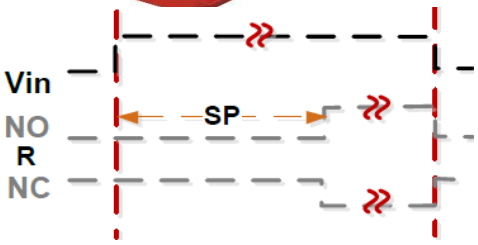
EZ-T1K-xxx

Timer Features:

- Microcontroller based timing
- Remaining/Elapsed Time Display
- Optional Password protection for unit/range
- Set time range from 0.01 sec to 999 hours
- Digital setting with 1% resolution, 1% Absolute Accuracy, and 1% Repeat Accuracy

Timer Function:

When input power is applied, the programmed timer delay (SP) begins. At the end of the time delay, the Relay (R) energizes (contacts transfer) and remains energized as long as input power is supplied. The timer and the Relay are reset on loss of power.



TECHNICAL DATA

TIME DELAY

Range: Depends on the Time Unit

S_EC	0.01 - 9.99 seconds
SEC	1-999 seconds
MIn	1-999 minutes
Hr	1-999 hours

Repeat Accuracy: +/-1% or 20 ms, whichever is greater

Reset Time: 5 ms max. (2 ms typical)

ENVIRONMENTAL

Storage Temperature: -50°C to 150°C

Operating Temperature: -20°C to 60°C

INPUT

Operating Voltage:

120, 240 VAC; 12, 24 VDC ±10% (Unfiltered input voltage to DC Models must be full-wave rectified)

Power Consumption: 3 VA max.

Frequency: 50/60 Hz

PROTECTION

Dielectric Breakdown: 2000 VAC, RMS min. at 60 Hz between input and outputs and 1000VAC between outputs

Polarity: DC units are reverse polarity protected

OUTPUT

Type: Relay contacts

Form: DPDT (Double Pole Double Throw), 2 form C

Rating: 7A max. Resistive at 250 VAC; 100 mA at 5 VDC min. load current

Life (Number of Operations):

Mechanical: 1 x 10^7

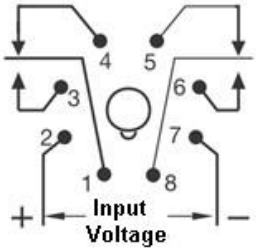
Electrical: 1 x 10^5

MECHANICAL DATA – WIRING AND DIMENSIONS

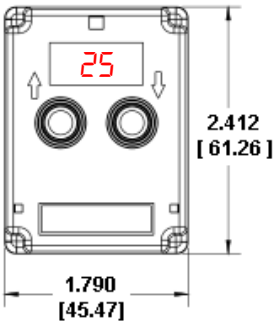
Termination: 8-pin plug

Mounting type: Socket Mount

Dimensions: 1.790 x 2.887 x 2.412 in.

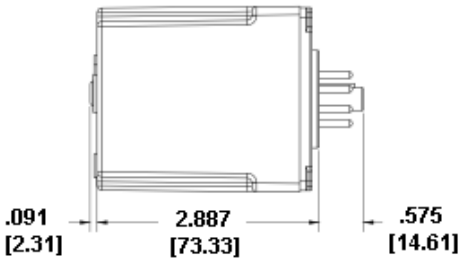


8-PIN CONFIGURATION



FRONT VIEW

Unit: inch [mm]



SIDE VIEW

HOW TO ORDER

Timers

***12 VDC** Input*:	**EZ-T1K-466**
***24 VDC** Input*:	**EZ-T1K-462**
***120 VAC** Input*:	**EZ-T1K-461**
***240 VAC** Input*:	**EZ-T1K-465**

Socket: *All models require an 8-pin socket listed below:*

***8 Pin** Socket*: **EZ-TMRSKT-8PIN**

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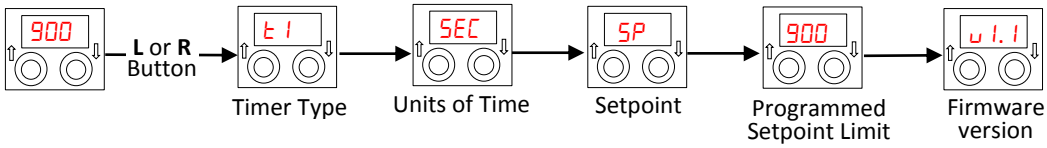
Operation and Programming

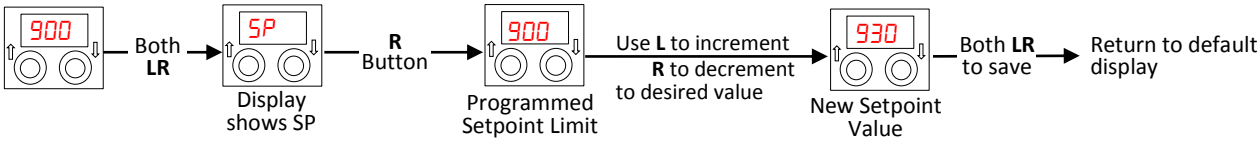
Timer has two buttons and a 3 digit display for programming. The following button actions are used in programming:

- Pressing Left (**L**) or ↑ button increments a value or moves from one parameter to another.
- Pressing Right (**R**) or ↓ button decrements a value or selects a parameter to edit.
- Pressing Both Left and Right (**LR**) button saves the displayed value and/or advances timer to next parameter.
- Pressing Left (**L**) or Right (**R**) from the default display will prompt timer to scroll through programmed values.

View Programmed Values:



Adjust Setpoint:



Programming Mode: