

ST3

SKY TIMERS

Time Delay Relay and Interval Timer

Product Features

Progress of Cycle Indicator: The LED on the ST3 starts in the off state, but blinks steadily increasing rate as the timer progresses through its cycle. Once the unit reaches time-out, the LED is constantly lit.

High Accuracy: Unlike a simple RC circuit, the ST3 employs an advanced integrated circuit which combines a stable oscillator with counting technology.

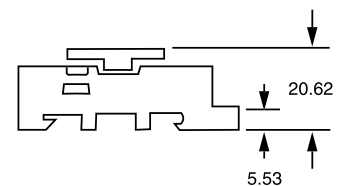
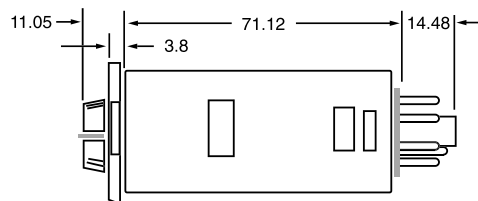
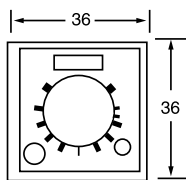
Multiple Modes of Operation: With the flip of a switch located on the housing, the ST3 can be set to operate in either on-delay or interval mode.



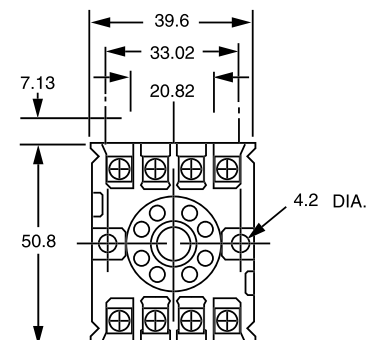
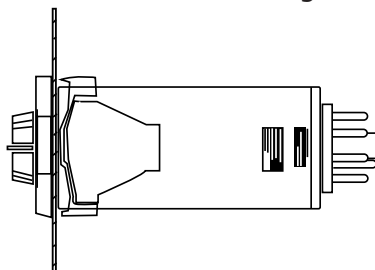
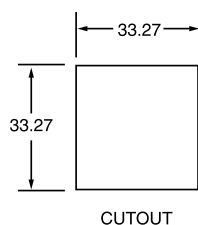
Dimensions

Connections

Surface mount using NDS-8 or NDS-8F



Flush mount using NDS-8 or NDS-8F socket and PM-30 mounting bracket



Specifications

Mounting: Plug-in octal base, mounts in any position with retaining clips. Can used with surface-mounted DIN rail socket or adapter for panel-mounting.

Operation: When the start switch is closed, the ST3's oscillator runs at the frequency correct for the current time setting. When the oscillator reaches the proper number of intervals, the time cycle ends. The duration of this cycle is determined by the oscillator's frequency. During the cycle, the LED blinks once during the first 10%, twice for the second 10%, and continues until time-out when it becomes steady.

The ST3 Time Delay Relay has two modes of operation:

On-Delay Mode: The relays switches the contacts at time and remains in this state until power is removed by opening the start switch. The then timer resets and prepares for another cycle.

Interval Mode: The relay switches when time begins and remains in this state until time out. The relay does not reset until power is removed.

Rating: DPDT 10 Amps resistive, $\frac{1}{8}$ at 120VAC

Life:

10 million operations mechanical
100,000 operations electrical

Temperature Rating: -17° to 60°C

Weight: 70g

Power Requirements:

24VAC: 19.2 - 26.4 VAC
Inrush: .4A
Running: .075A

24VDC: 19.2 - 26.4 VAC
Inrush: .4A
Running: .075A

120VAC: 95 - 132 VAC, 50/60Hz
Inrush: .4A
Running: .025A

240VAC: 190 - 264 VAC, 50/60Hz
Inrush: .2A
Running: .013A



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Ordering Information

ST3-10-24VDC

coil voltage

(see above for available voltages)

timing range

3: .3 sec, 3 sec, .3 min, 3 min, .3 hr, 3 hr
10: 1 sec, 10 sec, 1 min, 10 min, 1 hr, 10 hr