



Solid State Timers and Controllers



EPC-13025-S

Digital Interval
Countdown Timer
With Remote Control

The EPC-13025-S is a microcontroller based countdown interval timer with digital display of timing controlling a high current set of output contacts. The control of the starting, stopping, and resetting is accomplished by a remote switch. During a timing cycle the output relay is energized and the display counts down to zero, at which time the output relay de-energizes. The time base can be programmed to countdown the time in one of four selectable ranges: 000.1-999.9 seconds, 0001-9999 seconds, 00:01-99:59 minutes:seconds, and 00:01-99:59 hours:minutes. Prior to the start of a cycle the LED on the front panel will be OFF. When running a timing cycle the LED will flash, at the end of the cycle the LED will turn ON steady and the display will reset to the preset starting time. Two arrow buttons on the front panel are used to set the time. Hold the UP ARROW button down to increase the time The longer the button is held down, the faster the rate at which the time will increase. The DOWN ARROW button is used in the same manner as the UP ARROW button except it will cause the time to decrease. Using the UP ARROW and DOWN ARROW buttons in this manner permits accurate setting of countdown time. The remote START/STOP/RESET switch performs three functions. Pressing the START/STOP/RESET switch while the timer is not active, will cause the timer to begin counting down the time on the display and activate the output power relay contacts. Pressing the remote START/STOP/RESET switch while the timer is active, will stop the timer and deenergize the output power relay, turning OFF the LED. The timer will display the time remaining in the cycle when it is interrupted by the remote START/STOP/RESET switch. If the remote START/STOP/RESET switch is pressed again the output power relay will energize and the timer will continue timing from the point it was stopped. Should the remote START/STOP/RESET switch be held down for longer than two seconds while it is in the STOP mode the timer will reset and the display will return to the original starting time and the LED will turn OFF. Should power fail during a timing cycle the timer will return to the last time value and continue the timing cycle when power returns

Specifications

- Timing Mode:** Interval - Countdown with remote control switch.
- Operating Voltage:** 12V DC, 24V AC, 115V AC, & 230V AC, $\pm 15\%$, 50/60 Hz (AC), 7W max.
- Programmable Timing Range:** 4 Ranges: 0.1-999.9 sec, 1-9999 sec, 0:01-99:59 min:sec, 0:01-99:59 hrs:min.
- Timing Accuracy:** $\pm 0.5\%$ of setting.
- Digital Display:** Four (4) digit red LED, 0.5 inch high characters.
- Timing Cycle Memory:** Preset time kept in non-volatile memory..
- Front Panel Indicator:** An LED indicates the timer state.
- Front Panel Switches:** Two (2) for setting the time. One (1) for starting and stopping the timer.
- Audible Alarm:** A solid state alarm will sound for five (5) seconds at the end of a timing cycle.
- Remote Control:** START-STOP-RESET functions can be controlled up to 100 feet from timer. External NO switch contacts must switch 8mA @ 10VAC (nominal).
- Output Contact Rating:** SPNO Power relay contacts. Rated for 12A inductive or resistive at 125 VAC, 10A at 277 VAC and 30 VDC
- Operating Temperature:** 0°C to 70°C.
- Mounting:** 2.63 sq. cutout accepts timer which is secured with rear attached bracket & nut. Nut must not be tightened greater than 3 inch pounds, or product may be damaged.
- Wiring:** Six (6) .25" Quick Connect terminals, two (2) for power relay connections, two (2) for operating voltage, and two (2) for remote START-STOP-RESET
- Agency Approvals:** 115V & 230V series certified to UL Component-Appliance Controls US Standards ATNZ2, Component-Appliance Controls Certified For Canada ATNZ8, UL File E47858 dated 5-27-94
- Data Sheet Revision Date:** August 25, 2005

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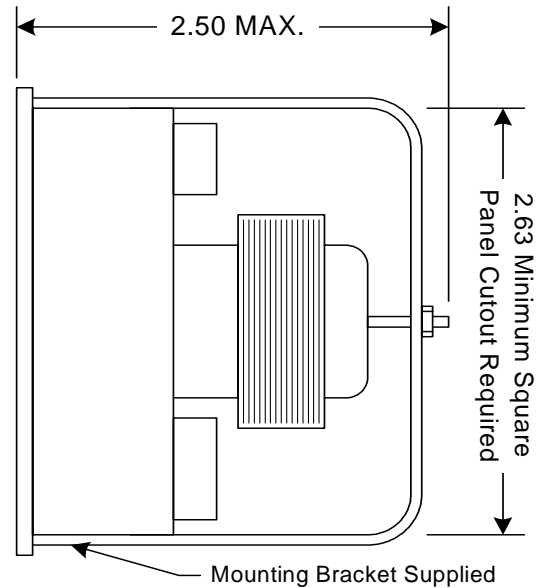
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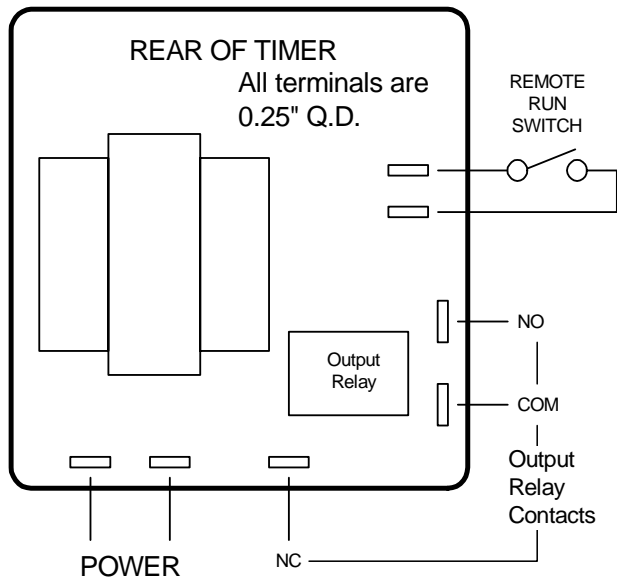


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Mechanical



Wiring



Programming The Timing Range

The EPC-13025-S is shipped from the factory preset to the Code 3 time base of 23:59 Hours:Minutes. To program another time base perform the following steps:

1. Turn OFF the power.
2. Press the button while turning the power ON.
3. Release the button after the display turns ON.
4. A number from 0 to 3 will appear. This number corresponds to:
 0 = 000.1 - 999.9 seconds
 1 = 00:01 - 99:59 minutes : seconds
 2 = 0001 - 9999 seconds
 3 = 00:01 - 99:59 hours : minutes
5. Use the button to select the desired time base.
6. Turn OFF the power.
7. Wait 2 seconds.
8. Turn ON the power and the EPC-13025-S will remain in the new time range until reprogrammed as above.

Ordering Information

Model Number	Operating Voltage	Timing
EPC-13025	-12 12V DC	-S (std)
	-24 24V AC	
	-115 115V AC	
	-230 230V AC	

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