

Direct Replacement for HQ4E Percent Timer & ATC Percent Timer

The NEW CYCL-TIME™ Percent Timer Series is an accurate, economical, enclosed percentage timer designed for use in applications where a repetitive "on" time of a fixed cycle needs to be variable.

This timer series is ideally suited for irrigation controls, chemical feeding, programmed temperature, electric heaters, ovens, motor controls and lubrication systems.

The panel mounted units have an easy to set dial. Four bolts at the corners of the front dial plate make it easy to securely mount the timers in panels up to ¼ inch thick. The timers have dimensions that fit the same cutout as the Eagle Signal HQ4E making these a suitable replacement unit. The load relays are enclosed for environmental protection. Electrical connections are made to the terminal block strip on the rear of the unit.

Functional Improvements over HQ4E Percent Timers & ATC Percent Timers:

- Better connections for safer, faster installation
- Enclosed electronics
- Upgraded potentiometer



- Enclosure is fastened behind the panel with no penetration through the front plate
- Finger-safe terminal block with cover
- UL Recognized and CE compliant
- Robust potentiometer ensures the pointer remains at set point
- Hard mechanical stops at 0% and 100%
- Resists water, dust or other ingress

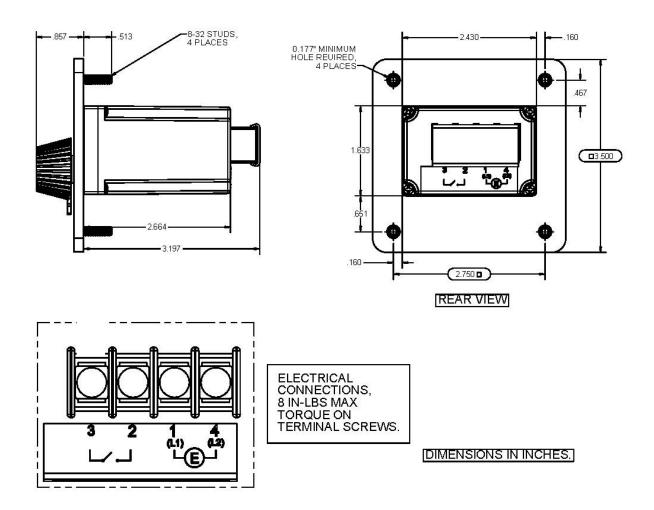
Specifications

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| INPUT VOLTAGE/FREQUENCY | 120VAC (+10%, -15%) 50/60 Hz. 240VAC (+10%, -15%) 50/60 Hz. |
| POWER CONSUMPTION | 1.2 watts |
| RELEASE OF INPUT VOLTAGE | 10% |
| CONTACT RATINGS | 10A, 120VAC, Resistive, Inductive. 1/6HP @120VAC 5A 240VAC, Resistive, Inductive. 1/2HP @ 240VAC |
| ELECTRICAL ENDURANCE | 30,000 cycles |
| FREQUENCY OF OPERATION | Depends on time range |
| MECHANICAL ENDURANCE | 30,000 cycles |
| CONTACT MATERIAL | Silver tin oxide |
| OPERATING TEMPERATURE | -10° to +140° F (-23° to +60° C) |
| REALTIVE HUMIDITY | 25% to 85% |
| MOUNTING POSITION | Flush, Panel Mount |
| DEGREE OF PROTECTION | IP51 for panel surface only. |
| TYPE OF INSULATION | Functional, Pollution Degree 2 |

| OVERVOLTAGE CATEGORY | Cat. 3, Pollution Degree 2 |
|-----------------------|--|
| IMPULSE TEST | 120VAC / 1,500 VAC 240VAC / 2,500 VAC |
| DIELECTRIC TEST | 1,440 VAC~, 1 Minute |
| EMC IMMUNITY | 8KV Static Air Discharge |
| PROSPECTIVE CURRENT | 100A |
| UNIT FUNCTION | Repeat Cycle Relay |
| RECOVERY TIME | Complete Operating Cycle |
| MINIMUM CONTROL PULSE | <10mS |
| SETTING ACCURACY | 1% of total time cycle |
| REPEATABILITY | ±1% of Total Time Cycle |
| INFLUENCE EFFECTS | Voltage Error - Max. ±0.5% Temperature Error - Max. ±2% |
| WARRANTY | 2 years |
| CERTIFICATION | UL CE |



Dimensions



Ordering Information

