

Series EP1217 / EP1227

The EP1217 / EP1227 family of solid state motor timers are command systems which employ a conformal coated, open panel circuit board assembly. The controls include a digital timer circuit and integral air switch mounted to a double-sided fiberglass printed circuit board. Individual models are configured for installation in various motor end bell assemblies or for mounting in separate electrical enclosures. This family of timers offer 10, 20, and 30 minute time delay periods as standard, with other time delay periods available as options. All models feature reset capability for additional time. Additionally, models are available for use with the Tecmark® EP1226 solid state, non-contact liquid level sensor.

Upon actuation of the PCB mounted air switch, the timer is started and the load relay is energized, applying line voltage to the output terminal. The load relay will de-energize when the time delay period expires, or if a second air switch actuation occurs during the time delay period. In both cases, the load relay is interrupted and the timer is reset.

Models configured to work in conjunction with Tecmark's EP1226 level sensor module have a three-pin header to facilitate easy electrical connection. The level sensor will inhibit actuation of the timer's load relay until a preselected fluid level has been attained. If fluid level drops below the sensor actuation point during normal operation of the timer, the load relay will immediately de-energize to prohibit potential equipment or liquid spray damage. The timer will remain de-energized until the proper fluid level is reacquired and the PCB mounted air switch is actuated again.

TYPICAL APPLICATIONS:

Series EP1217 / EP1227 Electronic Timers provide safe and convenient control of motor timing operations.

BASIC CONSTRUCTION:

- Conformal coated, open panel circuit board assembly
- Digital timer circuit
- Integral air switch
- Double sided fiberglass printed circuit board
- UL Recognized, CSA approved

AVAILABLE FEATURES:

- Three pin header for connection to the optional EP1226 Solid State Non-Contact Liquid Level Sensor
- Individual models configured for installation in various motor end bell assemblies
- Time delay: 10, 20 or 30 minutes standard. Other times optional
- Alternate termination configurations

RATINGS AND SPECIFICATIONS:

- Power input: EP1217 120 VAC, 50/60 Hz / EP1227 240 VAC, 50/60 Hz
- Output: SPST NO, 1 HP, 96 LRA, 15 FLA
- Minimum actuation pressure: 10" WC (2.5 kPa)
- Operating temperature -20° to 70°C (-4°F to 158°F)
- Storage temperature -40° to 85°C / 185°F

DESIGN FLEXIBILITY:

Tecmark's manufacturing philosophy is unique. In an effort to provide you with a product that is most suited to your application, the Series EP1217 / EP1227 Electronic Timers incorporate numerous interchangeable components for the ultimate in design flexibility. This means a product tailored to your needs without the high price and long lead times associated with custom manufacturing. If you have a need and don't see the features you require, please ask us!

EP1217

