

E70 SERIES ELECTRONIC TEMPERATURE CONTROLS

The Ranco® E70 Series Electronic Temperature Control is designed to switch compressor driven refrigerators and freezers in response to sensed temperatures.

Features and Benefits

- Compact dimensions make installation easy in most appliances
- Can be used in appliances where the control must not ignite escaped refrigerant gas
- User adjustable temperature dial with plastic cover or fixed setting option with no dial or cover
- Highly flexible custom designs available through programmable settings and optional configurations
- Factory configured optional defrost time
- Choice of adjustment ranges for cut-in and cut-out temperatures
- An optional plastic bracket is available with a standard center-post mounting boss that allows the E70 to replace electromechanical thermostats without requiring tooling changes
- Optional second control output for a defrost heater up to 1 Watt
- Connection type: 4-pin JST connector for power, compressor, and heater
- Capable of controlling 1/4 HP compressor load with option for 1/3 HP load

Specifications

- Supply Voltage range: 100V – minimum 142V
- Frequency: 50 Hz or 60 Hz \pm 1% sinusoidal
- Control Energy Consumption: 1 Watt \pm 10% @110V 60 Hz
- Compressor Load: up to 1/4 HP; optional fitting for 1/3 HP
- Defrost Heating: up to 1,000 Watt heating load
- Ambient Temperature range from 0°C to 45°C (32°F to 113°F)
- Storage/Transport Temperature range from -30°C to 75°C (-22°F to 167°F)
- Humidity: 0 to 93% RH non-condensing
- Agency Certifications:
 - IEC 60335-2-24, IEC 60730-1, 60079-15



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PRODUCT DRAWING

