DIGITAL ELECTRONIC TEMPERATURE CONTROL
Superior Temperature Control and Accuracy for Both Refrigeration and Heating Applications.

FEATURES
• Multiple Input Voltages (24/120/208/240 volts).
• No common wire required (electrical load must be greater than 2.5 amps and uninterrupted).
• Electronic temperature accuracy/digital display.
• Alarm output (with selectable delay - up to 99 minutes).
• Adjustable anti-short cycle delay.
• Setpoint locking function.
• Reduces inventory - replaces most competitive mechanical and electronic refrigeration controls.
• Multiple sensor option can be used with 1 or 4 sensors.

SPECIFICATIONS
Electrical Rating (Contacts):
*Voltage .......................... 120 VAC 208VAC 240 VAC
*Full Load Amps .................... 16 Amps 9.2 Amps 8 Amps
*Locked Rotor Amps. ................ 96 Amps 55.2 Amps 48 Amps
*Non-inductive Amps ............... 16 Amps 16 Amps 16 Amps
*Horsepower ........................ 1 HP 1 HP 1 HP
*24 VAC .......................... 100 VA, 30 VAC Max. (Class 2)
*Pilot Duty .......................... 125 VA, 24 to 240 VAC
*Minimum Load ................... 1 Amp @ 24 VAC
Alarm Relay (N.O. Contacts) ........ 1 Amp (5 to 24 volts AC or DC)
Setpoint Range .................... -40°F to 220°F (-40°C to 104°C)
Differential Range .................. 1°F to 30°F (1°C to 30°C)
Operating Temperature ............. -29°F to 140°F (-34°C to 60°C)
Storage Temperature ............... -40°F to 185°F (-40°C to 85°F)
Operating Humidity ............... 0 to 95% Relative Humidity, Non-Condensing
Maximum Dew Point ............... 85°F (29°C)
Switch Action ..................... SPDT
NCT sensor, with a cable length of 7.5 can be extended up to 400 feet by splicing and adding cable wire (22 AWG or larger diameter) as needed.
Can be connected to an existing PTC (positive temperature coefficient) sensor.
Finish .............................. Grey
Cover and Case .................. NEMA 1 enclosure
Flammability Rating ............. UL94VO
Dimension .......................... 6⅞"H x 3"W x 2¾"D*
* For use on single phase circuits only

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<tr>
<th>Model Number</th>
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<td>16E09-101</td>
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PARTS AND ACCESSORIES
See end of this section for additional parts and accessories
• F89-0286 — Immersion well
• F136-0114 — Replacement 7.5-ft NTC remote sensor
• F145-0650 — Immersion well heat transfer compound

TECHNICAL HELP
Wiring and Operation .................. See pages 217-221