Electronic Timer Control - 365-Day Astronomic Electronic Control
Item ET90415CR

PRODUCT DESCRIPTION
The ET90000 Series combines powerful and intuitive scheduling with truly maintenance-free convenience. The PC App and Mobile App provide real-time remote control, and the USB connection and Ethernet capabilities enable in-field updates.

FEATURES
► Automatic input voltage selection from 120 to 277 VAC, 50/60 Hz
► Over 2,000 events plus holiday schedules
► Advanced scheduling including relative events, such as fourth Thursday of November or first week of year
► 30 A rated contacts
► 100-hour supercapacitor eliminates the need for batteries
► USB connection for uploading, downloading and transferring programs
► Easy-to-follow on-screen menus for programming to-the-minute accuracy
► Non-volatile memory protects programming indefinitely
► Firmware can be upgraded in-field via USB or Ethernet
► Internally expandable, in 4-circuit increments, up to 16-circuits for 4, 8, and 12-circuit models
► PC App for easy scheduling or control, either remotely or through USB flash drive
► Mobile app for real time status and overrides

APPLICATIONS
► School Districts
► Banks
► Small Hotels
► Franchises
► Retail Stores
► Municipalities
► Parking Lots
► Offices

TECHNICAL DATA

General
Model Number
ET90415CR
Description
365-Day Astronomic Electronic Control
UPC Code
078275124912
Brand
Intermatic
Country of Origin (Intermatic)
MEXICO
Warranty
3-year limited

Mechanical Specifications
Enclosure Type
Outdoor Type 3R Metal

Electrical Specifications
Wiring Option
Terminals
Number of Circuits
4
Switch Type
SPDT; DPDT
Maximum Power Consumption (W)
50 W

Load Ratings
Motor (NC) Range(s)
¼ HP, 120 VAC, 50/60 Hz; ½ HP, 240 VAC, 50/60 Hz
**Motor (NO) Range(s)**
1 HP, 120 VAC, 50/60 Hz; 2 HP, 240 VAC, 50/60 Hz

**Magnetic Ballast (NO) Range(s)**
20 A, 120-277 VAC, 50/60 Hz

**Magnetic Ballast (NC) Range(s)**
3 A, 120-277 VAC, 50/60 Hz

**Resistive (NO) Range(s)**
20 A, 28 VDC; 30 A, 12-240 VAC, 50/60 Hz

**Resistive (NC) Range(s)**
10 A, 28 VDC; 10 A, 12-240 VAC, 50/60 Hz

**Pilot Duty (NO) Range(s)**
470 VA, 120-240 VAC, 50/60 Hz

**Pilot Duty (NC) Range(s)**
275 VA, 120-240 VAC, 50/60 Hz

**General Purpose (NC) Range(s)**
10 A, 12-240 VAC, 50/60 Hz

**General Purpose (NO) Range(s)**
30 A, 12-240 VAC, 50/60 Hz

**Tungsten (NO) Range(s)**
5 A, 12-120 VAC, 50/60 Hz

### Control Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum ON/OFF Times</td>
<td>1 Sec</td>
</tr>
<tr>
<td>Minimum Pulse Time</td>
<td>1 sec</td>
</tr>
<tr>
<td>Maximum Pulse Time</td>
<td>23 hours 59 minutes</td>
</tr>
<tr>
<td>Maximum ON/OFF Times</td>
<td>365 days</td>
</tr>
<tr>
<td>Maximum ON/OFF Operations</td>
<td>2000</td>
</tr>
<tr>
<td>Setpoint Program Count</td>
<td>2000</td>
</tr>
<tr>
<td>ON/OFF Operations</td>
<td>2000</td>
</tr>
<tr>
<td>Operation Features</td>
<td>Astronomic; Holiday</td>
</tr>
<tr>
<td>Operation Mode</td>
<td>365-day</td>
</tr>
<tr>
<td>Voltage Selection Type</td>
<td>Auto Voltage</td>
</tr>
<tr>
<td>Data Transfer Options</td>
<td>Ethernet Optional/USB</td>
</tr>
<tr>
<td>Daylight Savings Adjustment</td>
<td>Automatic</td>
</tr>
<tr>
<td>Backup Restoration Time</td>
<td>30 Minutes</td>
</tr>
<tr>
<td>Backup Type</td>
<td>Supercapacitor</td>
</tr>
<tr>
<td>Backup Protection Time</td>
<td>100 Hour</td>
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</table>

### Environmental Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-40 °F to 104 °F / (-40 °C to 40 °C)</td>
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</tbody>
</table>

### Standards and Certifications

- **UL Certification**: cULus
- **CSA Certification**: cCSAus
- **Other Certifications**: Title 20
- **California Proposition 65**: Lead

### Dimensions

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Product Dimensions (H x W x D)</td>
<td>17.9 x 12.7 x 5.4 in</td>
</tr>
<tr>
<td>Wire Size Min</td>
<td>[20]</td>
</tr>
<tr>
<td>Wire Size Max</td>
<td>[6]</td>
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</tbody>
</table>

### Packaging

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Shipping Weight (lbs)</td>
<td>20.158</td>
</tr>
<tr>
<td>Shipping Weight (kg)</td>
<td>9.144</td>
</tr>
<tr>
<td>Unit Carton Height (in)</td>
<td>9</td>
</tr>
<tr>
<td>Specification</td>
<td>Value</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Unit Carton Width (in)</td>
<td>17.25</td>
</tr>
<tr>
<td>Unit Carton Length (in)</td>
<td>22.625</td>
</tr>
</tbody>
</table>

Technical specifications and other information are subject to change without notice. Images can vary from original.
Typical bell, buzzer, or ringing installation. Multiple loads may be wired concurrently, within the maximum output ratings for the circuit.

Typical lighting installation. Multiple loads may be wired concurrently, within the maximum output ratings for the circuit.
Typical installation for photocontrol in parallel with time switch contacts. Either the time switch or the photocontrol must be ON to power the load. Ideal for improved safety. Loads will activate at the scheduled times, at night, or during low-light conditions such as a storm.
DIMENSIONAL DRAWINGS

Type 3R, 4-16 Circuit

CONDUCT  KNOCKOUT SIZES

<table>
<thead>
<tr>
<th>Size</th>
<th>QTY</th>
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<tbody>
<tr>
<td>S255</td>
<td>6</td>
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<tr>
<td>DUAL 1&quot; &amp; 11/2&quot;</td>
<td>8</td>
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</tbody>
</table>

Dimensions:
- 50" (127 mm)
- 18.5" (470 mm)
- 2.5" (64 mm)
- 12.7" (322 mm)
- 5.4" (138 mm)
- 17.5" (444 mm)