The ET2700 Series 365/7-Day Electronic Controls feature independent 7-day programming for convenient flexibility when load switching differs daily. These electronic controls provide dependable and uncomplicated performance, plus to-the-minute programming for accurate load control and reduced energy costs. Up to 48 ON and 48 OFF events can be preset to automatically repeat. Each event can be applied to any combination of circuits and days. The programming can be disabled at any time by placing the electronic control in the manual operating mode. An additional mode of operation now allows for the ON/OFF buttons to be used as a 2-hour override, in compliance with current regulations. Manual circuit control buttons operate circuits independently, based on the mode of operation. 50 Holiday Block Scheduling exception dates are available to prevent regularly scheduled events, or allow for a holiday schedule. All models come equipped with a time and date retaining supercapacitor for a minimum of 100 hours, eliminating battery dependency. Each electronic control is housed in a lockable enclosure for vandalism and tampering protection.

**Features**
- Program can be repeated on a weekly basis
- Multi-volt operation from 120-277 VAC 60 Hz, with auto-voltage detection
- To-the-minute programming for accurate load control and reduced energy costs
- Relays with Zero-Cross Technology to extend the life of the control
- 2-circuit models are field configurable for: 2 independent outputs, DPST output, or 1 channel ON pulse/OFF pulse output
- 4-circuit models are field configurable for: 4 independent outputs, 2 DPST outputs, 1 DPST and 2 SPST, or 2 channel ON pulse/OFF pulse output
- USB port to easily copy and paste schedules from one control to another or simply backup schedule
- Automatic Daylight Saving Time (DST) ON/OFF adjustment
- Non-volatile EEPROM memory protects programming indefinitely
- Temporary override or permanent manual override available via control buttons
- Additional mode of operation allows for ON/OFF buttons to become a 2 hour override control
- 100 hour supercapacitor eliminates battery dependency
- 50 Holiday Blocks with schedules

**Ratings**

**Enclosure Options:**
- Standard: Type 1 Gray Painted Steel
- CR: Type 3R Gray Metal Enclosure
- CP: Type 3R High-Impact UV Resistant Polycarbonate Plastic with Clear Cover

**Knockouts:**
- Combination ½” & ¾” Knockouts
- Bottom: 2, Left: 1, Right: 1, Back: 1

**Input Voltage:**
- 120, 208, 240, or 277 VAC 50/60 Hz

**Operating Temperature:**
- -40° F to 155° F (-40° C to 68° C)
ET2700 Series

ET2700 Models
N.O. Contact Ratings:
- Resistive: 30 A @ 120/240 VAC
- Resistive: 20 A @ 28 VDC
- Inductive: 30 A @ 120/240 VAC
- Tungsten: 5 A @ 120/240 VAC
- Magnetic Ballast: 20 A @ 277 VAC
- Electronic Ballast/LED: 10 A @ 120/277 VAC
- Motor: 1 HP @ 120 VAC
- Motor: 2 HP @ 240 VAC

SPDT NO Contact Ratings:
- Resistive: 20 A @ 120-240 VAC
- Resistive: 20 A @ 28 VDC
- Inductive: 20 A @ 120-240 VAC
- Magnetic Ballast: 20 A @ 120-277 VAC
- Electronic Ballast/LED: 10 A @ 120/277 VAC
- Motor: 1 HP @ 120 VAC
- Motor: 2 HP @ 240 VAC

SPDT NC Contact Ratings:
- Resistive: 10 A @ 120-240 VAC
- Resistive: 10 A @ 28 VDC
- Inductive: 10 A @ 120-240 VAC
- Magnetic Ballast: 3 A @ 120-277 VAC
- Motor: ¼ HP @ 120 VAC
- Motor: ½ HP @ 240 VAC

Pulse Feature: 2-second pulse option for contactor and bell ringing applications (2 and 4-circuit models only)

Auto DST: Automatic adjustment for Daylight Saving Time

Super Capacitor Backup: A supercapacitor to maintain date and time accuracy for a minimum of 100-hours if power is lost

Wiring Terminals: #18 to #10 AWG wire

Minimum ON/OFF Time: 1 minute

Maximum ON/OFF Time: 6 days, 23 hours, 59 minutes

Warranty: Limited 2 year

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<table>
<thead>
<tr>
<th>Model Number</th>
<th>Circuits</th>
<th>Switch</th>
<th>Volts AC</th>
<th>Rating</th>
<th>Enclosure</th>
<th>Shipping Weight</th>
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<tbody>
<tr>
<td>ET2705C</td>
<td>1</td>
<td>SPST</td>
<td>120-277 VAC</td>
<td>30 A</td>
<td>Indoor Metal</td>
<td>2.95 lbs.</td>
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<td>SPDT</td>
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<td>20 A</td>
<td>Indoor/Outdoor Plastic</td>
<td>2.25 lbs.</td>
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<tr>
<td>ET2715CR</td>
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<td>SPDT</td>
<td>120-277 VAC</td>
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<td>SPST</td>
<td>120-277 VAC</td>
<td>30 A</td>
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<tr>
<td>ET2725CP</td>
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<td>SPST</td>
<td>120-277 VAC</td>
<td>30 A</td>
<td>Indoor/Outdoor Plastic</td>
<td>2.25 lbs.</td>
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<tr>
<td>ET2725CR</td>
<td>2</td>
<td>SPST</td>
<td>120-277 VAC</td>
<td>30 A</td>
<td>Outdoor Metal</td>
<td>3.30 lbs.</td>
</tr>
<tr>
<td>ET2745C</td>
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<td>SPST</td>
<td>120-277 VAC</td>
<td>30 A</td>
<td>Indoor Metal</td>
<td>2.95 lbs.</td>
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<tr>
<td>ET2745CP</td>
<td>4</td>
<td>SPST</td>
<td>120-277 VAC</td>
<td>30 A</td>
<td>Indoor/Outdoor Plastic</td>
<td>2.25 lbs.</td>
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<tr>
<td>ET2745CR</td>
<td>4</td>
<td>SPST</td>
<td>120-277 VAC</td>
<td>30 A</td>
<td>Outdoor Metal</td>
<td>3.30 lbs.</td>
</tr>
</tbody>
</table>

All 2 or 4-circuit models can be wired to DPST
2-circuit models = 2 x SPST or 1 x DPST
4-circuit models = 4 x SPST; 2 x DPST, or 1 x DPST and 2 x SPST
**Specification**

The Series 365/7-Day Electronic Control shall be capable of permitting up to 48 ON/48 OFF events. The electronic control shall provide a minimum ON or OFF time of 1 minute. The electronic control to be powered by ____ (120)(208)(240) (277) VAC, ____ 60 Hz power supply. The electronic control mechanism features a snap-in design to provide easy mechanism removal for mounting the enclosure. The electronic control enclosure shall be a ____ (Type 1 Steel) (Type 3R Steel)(Type 3R Plastic) lockable enclosure that shall be painted with an electrostatic process to eliminate the potential for corrosion. The electronic control shall provide clear terminal identification on a transparent non-curling terminal insulator. The electronic control shall have a USB port to provide for schedule backup and transfer capabilities. Switch configuration shall be ____ (SPST)(DPST)(SPDT) with a UL or CSA listed switch rating of:

**If SPST:**

- Resistive: 30 A @ 120/240 VAC
- Resistive: 20 A @ 28 VDC
- Inductive: 30 A @ 120/240 VAC
- Tungsten: 5 A @ 120/240 VAC
- Ballast: 20 A @ 120-277 VAC
- Electronic Ballast: 10 A @ 120/277 VAC
- Motor: 1 HP @ 120 VAC
- Motor: 2 HP @ 240 VAC

**If SPDT:**

- Resistive: 20 A @ 120/240 VAC
- Resistive: 20 A @ 28 VDC
- Inductive: 20 A @ 120/240 VAC
- Magnetic Ballast: 20 A @ 120/240 VAC
- Electronic Ballast: 10 A @ 120/277 VAC
- Motor: 1 HP @ 120 VAC
- Motor: 2 HP @ 240 VAC

The electronic control shall be UL or CSA listed under UL category 916 Energy Management Equipment and shall be Intermatic model ____________________(See Model Numbers Listed).

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**Diagrams**

**All Units**

![Diagram of Timer Power](image)

**1 Circuit SPST**

![Diagram of 1 Circuit SPST](image)

**1 Circuit SPDT**

![Diagram of 1 Circuit SPDT](image)
ET2700 Series

2 Circuit SPST

There are many different ways to set the relays on the ET2700 Series Time Switch. The four relays can be used individually or in pairs. Refer to the table below for a complete list of ways to set the relays and the illustrations for some of the common wiring installations.

<table>
<thead>
<tr>
<th>Configuration</th>
<th>SIM/SPST</th>
<th>PUL/SPST</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND/IND</td>
<td>SIM/IND</td>
<td>PUL/IND</td>
</tr>
<tr>
<td>IND/SIM</td>
<td>SIM/SIM</td>
<td>PUL/SIM</td>
</tr>
<tr>
<td>IND/PUL</td>
<td>SIM/PUL</td>
<td>PUL/PUL</td>
</tr>
</tbody>
</table>

Note:
- IND = Independent
- SIM = Simultaneous
- PUL = Pulse

4 Circuit SPST

There are many different ways to set the relays on the ET2700 Series Time Switch. The four relays can be used individually or in pairs of two. Refer to the table below for a complete list of ways to set the relays and the illustrations for some of the common wiring installations.

<table>
<thead>
<tr>
<th>Configuration</th>
<th>SIM/SPDT</th>
<th>PUL/SPDT</th>
</tr>
</thead>
<tbody>
<tr>
<td>IND/IND</td>
<td>SIM/IND</td>
<td>PUL/IND</td>
</tr>
<tr>
<td>IND/SIM</td>
<td>SIM/SIM</td>
<td>PUL/SIM</td>
</tr>
<tr>
<td>IND/PUL</td>
<td>SIM/PUL</td>
<td>PUL/PUL</td>
</tr>
</tbody>
</table>

Note:
- IND = Independent
- SIM = Simultaneous
- PUL = Pulse

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