**EI Series**

**Electronic In-Wall Time Switches**

**Time Switches**

**Energy Controls**

**PRODUCT FEATURES**

- All models automatically switch loads to the-to-minute accuracy.
- EI200 Series and EI400 Series effectively replace multiple spring wound timer models, freeing up shelf space and providing more specification flexibility.
- EI300 Series and EI500 Series provide astronomical programming (sunset ON and sunrise OFF settings) to eliminate the need for additional control devices.
- Astronomic programming can be combined with independent programs to provide sunset ON and timed OFF settings.

**APPLICATIONS**

- Schools
- Offices
- Airports
- Stores
- Restaurants
- Parks
- Apartments
- **For Controlling**
  - Indoor Lighting
  - Outdoor Lighting
  - Pumps & Fans
  - HID Lighting
  - Library Lights
  - Classroom Lights
  - Fluorescent Lighting
  - PAR Lights
  - Heaters
  - Recreational Vehicles
  - Air Conditioners
  - Porch Lights
  - Carriage Lights

**SPECIFICATIONS**

- **Switch:** Single-Pole or 3-Way (Multi-Way) Compatible
- **Style:** Decorator styling, except EI15MH
- **Variety of colors including:** White, Ivory, Almond and Light Almond
- **Special Voltages and Cycles:** 50 or 60 Hz.
- **Operating Ambient Temperature Range:** 32°C (0°C) to 104°F (40°C)
- **Shipping Weight:** 0.5 lbs. (0.23 kg)

- **Agency Approval:** UL or C-UL
- **CEC Title 24 (on select models)**

**EI15MH – Electronic Auto-OFF Time Switch**

<table>
<thead>
<tr>
<th>Model#</th>
<th>Time Range</th>
<th>Color</th>
<th>Hold</th>
</tr>
</thead>
<tbody>
<tr>
<td>EI15MH</td>
<td>1/2/5/15 Min</td>
<td>Ivory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

This energy saving timer is designed to replace any standard wall switch, single or multi-gang, and automatically limit the ON time of incandescent or fluorescent lighting loads. This compact solid-state design with silent operation provides 2-way operation – immediate switch off or a time-delayed OFF after 15 minutes. To reset timer simply switch to OFF for one second then move toggle switch back to TIMER position. A blocking plate is supplied with the timer and may be used to eliminate OFF mode for a timed ON use only.

**EI200 Series – Electronic Auto-OFF Time Switch**

<table>
<thead>
<tr>
<th>Model#</th>
<th>Time Range</th>
<th>Color</th>
<th>Hold</th>
</tr>
</thead>
<tbody>
<tr>
<td>EI200W</td>
<td>5/10/15/30 Minute</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EI200LA</td>
<td>5/10/15/30 Minute</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
<tr>
<td>EI205W</td>
<td>10/20/30/60 Minute</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EI205LA</td>
<td>10/20/30/60 Minute</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
<tr>
<td>EI210W</td>
<td>15/30/60 Min or 1/2 Hour</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EI215W</td>
<td>15/30/60 Min or 1/2 Hour</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
<tr>
<td>EI220W</td>
<td>1/2/4 Hour</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EI220LA</td>
<td>1/2/4 Hour</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
<tr>
<td>EI230</td>
<td>2/3/6 Hour</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EI230LA</td>
<td>2/3/6 Hour</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
<tr>
<td>EI245W</td>
<td>3/4/6 Hour</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EI245LA</td>
<td>3/4/6 Hour</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The EI200 series timers provide silent operation in time ranges from 5 minutes up to 12 hours. Six basic models available in three colors reduce the need to stock as many timers, freeing up shelf space and providing more specification flexibility. HOLD feature on select models turns the load ON until manually turned OFF. Replaces single-pole switches in a variety of applications.

**EI400 Series – 24-Hour Electronic Time Switch**

<table>
<thead>
<tr>
<th>Model#</th>
<th>Time Range</th>
<th>Color</th>
<th>Hold</th>
</tr>
</thead>
<tbody>
<tr>
<td>EI400C</td>
<td>Resistive: 15 Amp, 120 VAC 1800 Watts</td>
<td>Ivory</td>
<td>Yes</td>
</tr>
<tr>
<td>EI400WC</td>
<td>Resistive: 15 Amp, 120 VAC 1800 Watts</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EI400LAC</td>
<td>Resistive: 15 Amp, 120 VAC 1800 Watts</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The EI400 series effectively replaces 16 different spring-wound switch models, freeing up additional shelf space, providing more specification flexibility, ease of installation and absolutely silent operation. A factory supplied CR2 lithium battery provides up to three years of operation and user program selection is stored in non-volatile memory. A low battery indicator appears in the display when the battery requires replacement. A field selectable warning feature provides an audible and/or visual signal that the load is about to switch off. Functions to control all voltages and frequencies (within the contact ratings) with no adjustments required. Provides “time” 3-way control allowing the load interval to be started and stopped using a standard mechanical switch.

**EI500 Series – 7-Day Electronic Astronomic Time Switch**

<table>
<thead>
<tr>
<th>Model#</th>
<th>Time Range</th>
<th>Color</th>
<th>Hold</th>
</tr>
</thead>
<tbody>
<tr>
<td>EI500C</td>
<td>Resistive: 15 Amp, 120 VAC 1800 Watts</td>
<td>Ivory</td>
<td>Yes</td>
</tr>
<tr>
<td>EI500WC</td>
<td>Resistive: 15 Amp, 120 VAC 1800 Watts</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EI500LAC</td>
<td>Resistive: 15 Amp, 120 VAC 1800 Watts</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The EI500 series compact 7-day timers provides up to 7-ON and 7-OFF operations which can be used for 24-hour or 7-day load control of lights, fans, pumps, and other medium-duty loads for energy savings, security and convenience. Its compact, quiet, low profile design is easy to program for to-the-minute 24-hour or 7-day control. In addition, the display continuously shows time-of-day, day of the week, timer load and the load status. Available in three colors, white, ivory, and light almond. Replaces single-pole switches in a variety of applications.

**EI600 Series – 7-Day Electronic Astronomic Time Switch**

<table>
<thead>
<tr>
<th>Model#</th>
<th>Time Range</th>
<th>Color</th>
<th>Hold</th>
</tr>
</thead>
<tbody>
<tr>
<td>EI600C</td>
<td>Resistive: 20 Amp, 120-277 VAC 1800 Watts</td>
<td>Ivory</td>
<td>Yes</td>
</tr>
<tr>
<td>EI600WC</td>
<td>Resistive: 20 Amp, 120-277 VAC 1800 Watts</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EI600LAC</td>
<td>Resistive: 20 Amp, 120-277 VAC 1800 Watts</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
</tbody>
</table>

This easy to program timer provides up to 40 OFF/ON operations which can be used for 24-hour or 7-day load control. The astronomic feature provides sunset ON and sunrise OFF settings and the auto daylight savings adjustment. A factory supplied CR2 lithium battery provides up to three years of time keeping without AC power and user program selections are stored in non-volatile memory. The timer has an isolated single pole switch single throw switch which allows the timer to switch any load type, including PAR lamps and motor loads from 12 to 277 volts AC or 12 to 28 volts DC, without the specified ratings. A unique “3 wire” design allows the timer to replace, or be used as a single-pole or 3-way (multi-way) switch.

**EJ500 Series – 7-Day Electronic Astronomic Time Switch**

<table>
<thead>
<tr>
<th>Model#</th>
<th>Time Range</th>
<th>Color</th>
<th>Hold</th>
</tr>
</thead>
<tbody>
<tr>
<td>EJ500C</td>
<td>Resistive: 40-500 Watts, 120 VAC 60 Hz</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EJ500WC</td>
<td>Resistive: 40-500 Watts, 120 VAC 60 Hz</td>
<td>White</td>
<td>Yes</td>
</tr>
<tr>
<td>EJ500LAC</td>
<td>Resistive: 40-500 Watts, 120 VAC 60 Hz</td>
<td>Light Almond</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The EJ500 Series 7-day timers provide up to 6-ON and 6-OFF operations per week, which can be used for 24-hour or 7-day control of incandescent and fluorescent lighting for energy savings, security and convenience. The astronomic feature provides sunset ON and sunrise OFF settings. Two factory supplied batteries provide up to 3 years of time keeping. The timer is compact, quiet, low profile design is easy to program for to-the-minute 24-hour and 7-day control. Optional random feature deletes burglars by giving your home a “lived-in” look.
EI Series
Electronic In-Wall Time Switches

**Time Switches**

**Energy Controls**

**PRODUCT FEATURES**
- All models automatically switch loads to the-time-of-minute.
- EI200 Series and EI400 Series effectively replace multiple spring wound timer models, freeing up shelf space and providing more specification flexibility.
- EI300 Series and EI500 Series provide a wide range of programming (on select models) to meet the needs of various applications.
- Specific models are designed for an operating ambient temperature range of 104°F (40°C). This range is suitable for most environments.
- Special Voltages and Cycles: Variety of colors including:

**SPECIFICATIONS**

**Switch:** Single-Pole or 3-Way (Multi-Way) Compatible

**Style:** Decorator styling, except EI15MH

**Variety of colors including:** White, Ivory, Almond and Light Almond

**Special Voltages and Cycles:** 50 or 60 Hz.

**Operating Ambience Temperature Range:** 32°F (0°C) to 104°F (40°C)

**Shipping Weight:** 0.5 lbs. (0.23 kg)

**Agency Approval:** UL or CEC

**CEC Title 24 (on select models)**

**Agency Approval:** or

**Operating Ambient Temperature Range:**

- **104°F (40°C)**

**APPLICATIONS**

**FOR CONTROLLING**
- **Schools**
- **Offices**
- **Airports**
- **Stadiums**
- **Theaters**
- **Restaurants**
- **Homes**
- **Parks**
- **Apartment Housing**

**FUNCTIONS TO CONTROL**
- **Indoor Lighting**
- **Outdoor Lighting**
- **Pumps & Fans**
- **HID Lighting**
- **Library Lights**
- **Classroom Lights**
- **Fluorescent Lighting**
- **PAR Lights**
- **Heaters**
- **Recreational Vehicles**
- **Air Conditioners**
- **Porch Lights**
- **Carriage Lights**

**Modbus Protocol**

**EI Series**

- **EI15MH – Electronic Auto-OFF Time Switch**

**EI150 Series – 7-Day Electronic Time Switch**

**EI500 Series – 24-Hour Electronic Time Switch**

**EI400 Series – 24-Hour Electronic Time Switch**

**EI600 Series – 7-Day Electronic Astronomic Time Switch**

**EI400 Series Switch Rating:**
- **Resistive (heater):** 15 Amp, 120 VAC 1800 Watts
- **Tungsten (incandescent):** 8.3 Amp, 120 VAC 1000 Watts
- **Ballast (Fluorescent):** 8 Amp, 120 VAC
- **Motor:** 1/4 H.P., 120 VAC

**EI400 Series** effectively replaces 16 different spring-wound models, freeing up additional shelf space, providing more specification flexibility, ease of installation and absolutely silent operation. A factory supplied CR2 lithium battery provides up to three years of operation and user program selection is stored in non-volatile memory. A low battery indicator appears in the display when the battery requires replacement. A field selectable feature provides an audible and/or visual signal that the load is about to switch off. Functions to control all voltages and frequencies (within the contact ratings) with no adjustments required. Provides “time” 3-way control allowing the load interval to be started and stopped using a standard mechanical switch.

**EI15MH Series Switch Rating:**
- **40-500 Watts, 120 VAC, 60 Hz.**
- **P-type magnetic ballast fluorescent**
- **Power Consumption: 0.6 Watts**
- **No Neutral Required**

The EI15MH series is designed to replace any standard wall switch, single or multi-gang, and automatically limit the ON time of incandescent or fluorescent lighting loads. This compact solid-state device with silent operation provides 2-way operation – immediate switch off or a time-delayed OFF after 15 minutes. To reset timer simply switch to OFF for one second then move toggle switch back to TIMER position. A blocking plate is supplied with the timer and may be used to eliminate ON mode for a timed ON use only.

**EI15MH Series – Electronic Auto-OFF Time Switch**

**EI200 Series – Electronic Off-Only Time Switch**

**EI200 Series Switch Rating:**
- **Resistive (heater):** 15 Amp, 120 VAC 1800 Watts
- **Tungsten (incandescent):** 8.3 Amp, 120 VAC 1000 Watts
- **Ballast (Fluorescent):** 8 Amp, 120 VAC
- **Motor:** 1/4 H.P., 120 VAC

The EI200 series timers provide silent operation in time ranges from 5 minutes up to 12 hours. Six basic models available in three colors reduce the need to stock as many timers, freeing up shelf space and providing more specification flexibility. HOLD feature on select models turns the load OFF until manually turned ON. Replaces single-pole switches in a variety of applications.

**EI200 Series – Electronic Off-Only Time Switch**

**EI300 Series – 7-Day Electronic Time Switch**

**EI300 Series Switch Rating:**
- **Resistive (heater):** 15 Amp, 120 VAC 1800 Watts
- **Tungsten (incandescent):** 8.3 Amp, 120 VAC 1000 Watts
- **Ballast (Fluorescent):** 8 Amp, 120 VAC
- **Motor:** 1/4 H.P., 120 VAC

The EI300 series compact 7-day timers provides up to 7-ON and 7-OFF operations which can be used for 24-hour or 7-day load control of lights, fans, pumps, and other medium-duty loads for energy savings, security, and convenience. Its compact, quiet, low profile design is easy to program for to-the-minute 24-hour or 7-day control. In addition, the display continuously shows time-of-day, day of the week, timer load and the load status. Available in three colors white, ivory, and light almond. Replaces single-pole switches in a variety of applications.

**EI300 Series – 7-Day Electronic Time Switch**

**EI500 Series – 7-Day Electronic Astronomic Time Switch**

**EI500 Series Switch Rating:**
- **Resistive (heater):** 15 Amp, 120 VAC 1800 Watts
- **Tungsten (incandescent):** 8.3 Amp, 120 VAC 1000 Watts
- **Ballast (Fluorescent):** 8 Amp, 120 VAC
- **Motor:** 1/4 H.P., 120 VAC

The EI500 series models provide sunset ON and sunrise OFF settings and the auto daylight savings adjustment. A factory supplied CR2 lithium battery provides up to three years of time keeping without AC power and user program selections are stored in non-volatile memory. The timer has an isolated single pole single throw switch which allows the timer to switch any load type, including PAR lamps and motor loads from 12 to 277 volts AC or 12 to 28 volts DC, within the specified ratings. A unique “3 wire” design allows the timer to replace, or be used as a single pole or 3-way (multi-way) switch.

**EI500 Series – 7-Day Electronic Astronomic Time Switch**

**EI600 Series – 7-Day Electronic Astronomic Time Switch**

**EI600 Series Switch Rating:**
- **Resistive (heater):** 20 Amp, 120-277 VAC 1800 Watts
- **Tungsten (incandescent):** 15 Amp, 120 VAC 6 Amp, 208-277 VAC
- **Ballast (Fluorescent):** 16 Amp, 120-277 VAC
- **Motor:** 1 H.P., 120 VAC; 2 H.P., 240 VAC
- **DC Loads:** 12 VDC, 2 Amp, 28 VDC, 4 Amp

Caution: Do not use for sunlamps, sauna, etc...

The EI600 series models provide sunset ON and sunrise OFF settings and the auto daylight savings adjustment. A factory supplied CR2 lithium battery provides up to three years of time keeping without AC power and user program selections are stored in non-volatile memory. The timer has an isolated single pole single throw switch which allows the timer to switch any load type, including PAR lamps and motor loads from 12 to 277 volts AC or 12 to 28 volts DC, within the specified ratings. A unique “3 wire” design allows the timer to replace, or be used as a single pole or 3-way (multi-way) switch.

**EI600 Series – 7-Day Electronic Astronomic Time Switch**
Electronic In-Wall Time Switch

EI Series

Electronic Auto-OFF In-Wall Time Switch
24-Hour and 7-Day Electronic In-Wall Time Switch