**PRODUCT DESCRIPTION**

The ST01 Series and EI600 Series In-Wall Timers give you versatility in a simple to install, 24/7 programmable package. These timers allow you to customize your timer schedule with automatic dusk/dawn, random, and Daylight Saving Time (DST) programming options for up to 40 ON/OFF events. The ST01 Series and EI600 Series are incandescent/fluorescent/CFL/LED compatible. In addition, these timers can handle any load type and require no neutral wire connection, making them ideal for any application, regardless of complexity.

**RATINGS**

<table>
<thead>
<tr>
<th>ST01/ST01K</th>
<th>EI600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Voltage</strong></td>
<td>120-277 VAC, 50/60 Hz</td>
</tr>
<tr>
<td><strong>Resistive (heater)</strong></td>
<td>15 A, 120-277 VAC</td>
</tr>
<tr>
<td><strong>Tungsten (incandescent)</strong></td>
<td>15 A, 120 VAC; 6 A, 208-277 VAC</td>
</tr>
<tr>
<td><strong>Fluorescent</strong></td>
<td>8 A, 120 VAC; 4 A, 208-277 VAC</td>
</tr>
<tr>
<td><strong>Vacuum</strong></td>
<td>120-277 VAC, 50/60 Hz</td>
</tr>
<tr>
<td><strong>Load Type</strong></td>
<td>DC Loads, Tungsten (heater)</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>32° F to 104° F (0° C to 40° C)</td>
</tr>
<tr>
<td><strong>Dimmer</strong></td>
<td>0-100%</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>LCD</td>
</tr>
<tr>
<td><strong>Access to battery</strong></td>
<td>Access to battery tray</td>
</tr>
<tr>
<td><strong>Power Source</strong></td>
<td>15 A, 120 VAC; 2 HP, 240 VAC</td>
</tr>
<tr>
<td><strong>Neutral Wire</strong></td>
<td>Necessary</td>
</tr>
<tr>
<td><strong>AC Power</strong></td>
<td>208-277 VAC, 50/60 Hz</td>
</tr>
</tbody>
</table>

**SAFETY SECTION**

**WARNING**

- **Risk of Fire or Electric Shock**
  - Disconnect power at the circuit breaker(s) or disconnect switches (where installed) before installing or servicing (including replacing the battery).
  - Installation and/or wiring must be in accordance with national and local electrical code requirements.
  - Use COPPER conductors only.
  - Do not recharge, disassemble, heat above 212° F (100° C), crush, or incinerate the Lithium battery. Keep out of reach of children.
  - Replace battery with Type CR2032 only that is certified by Underwriters Laboratories (UL).
  - Do NOT use timer to control devices that could have dangerous consequences due to inaccurate timing, such as: sun lamps, dishwashers, water heaters, heat lamps, etc.

- **Risk of timer damage due to leakage if weak battery is not replaced promptly.**
- **Deplete product per local regulations for disposal of Lithium batteries.**

**PROGRAMMING**

Follow these steps for initial setup and programming of the ST01 Series and EI600 Series timers.

**Clear All Existing Settings**

1. Gently pry open the access door, located below the front panel, and remove the battery tray from the timer.
2. Place the supplied CR2032 battery into the battery tray, matching the battery + and – markings to the + and – markings on the tray, then place the battery tray back in the timer.
3. The display initializes, then flashes 12:00 am in 12-hour mode.
4. Press ON/OFF. The timer “clicks” to confirm it is ready for programming.

**Initial Setup**

1. Press MODE until PGM appears on the display.
2. Press ON/OFF to advance to the next menu item (HOUR).
3. Press + or - to adjust the flashing menu item (HOUR).
4. Press ON/OFF to advance to the next menu item (MINUTES).
5. Repeat steps 3 & 4 to set the MINUTES, YEAR, MONTH, and DATE.

**DST Selections**

5. The DST selections (AUTO or MAN) flash on the display.
6. Press + to change the selection.
   - Select AUTO if your location observes DST.
   - Select MAN to disable automatic DST adjustment.
7. Press ON/OFF to confirm and advance to ZONE selection.

**ZONE Selections**

8. The hours digit of the current day’s DAWN time flashes on the display.
9. Press + or - to adjust the hour, as necessary.
10. Press ON/OFF to confirm and advance to the DUSK minutes digit.
11. Press + or - to adjust the minutes, as necessary.
12. Press ON/OFF to confirm and advance to the DUSK hours digit.
13. Use the same process for setting the DAWN time to set the time for DUSK.

**Programming Events**

Program ON and OFF events as separate events.

1. Press MODE until PGM appears on the display.
2. Press ON/OFF to confirm. An event number flashes on the display.

**Notes:**

- **Note:** This is the first event, you will see 01.
- **Note:** Set a Fixed Time, press ON/OFF, then + or - to adjust the hour, Press ON/OFF. Use the same process to set minutes. Press ON/OFF to confirm.
- **Note:** Press ON/OFF to confirm a day selection flashes on the display.

**TIME PROGRAM INTERFACE**

![Display](image)
INSTALLATION

1. Disconnect the power at the service panel.
2. Remove wall switches, if applicable.
3. Strip the existing wire ends to 7/16".
4. Wire the timer into the wall box. An example of single-pole and three-way wiring follows. For other three-way wiring scenarios, go to www.intermatic.com.

Finalizing Installation

1. Make sure the provided twist-on wire connectors are secure, then tuck the wires into the timer wall box, leaving room for the timer.
2. Using the provided screws, secure the timer to the wall box.
3. Cover the timer with the wall plate and secure using the provided screws.
4. For three-way wiring, install the remote switch in wall box. Cover the switch with the wall plate and secure.
5. Reconnect the power at the service panel.

SELECTING OPERATING MODES

AUTO Timer operates per your programmed schedule of ON/OFF events.

RAND Timer operates your schedule at +/-15 minutes from the programmed time.

MAN Operates like a manual ON/OFF switch, disregards any programmed events.

Note: To set the timer to recognize your programmed events, press MODE to scroll to AUTO or RAND only.

Reviewing/Changing Clock Time, Calendar, or Astronomic Settings

Repeat the steps under "Initial Setup" to review and make setting changes, as needed.

Changing Events

1. Press MODE until PGM appears on the display.
2. Press ON/OFF to confirm. An event number flashes. Use + to find the correct event number.
3. Press ON/OFF to confirm.
4. To change the ON/OFF status of an event, use + to select the event type.
   - ON - sets a previously OFF event to ON
   - OFF - sets a previously ON event to OFF
5. To update an existing setting, press ON/OFF until the setting is to be updated displays.
6. Press + to adjust the setting.
7. Press ON/OFF to cycle through the program until the display reads SAVE.
8. Press MODE to exit the programming menu.

Three-Way Wiring

Note: The distance between the timer and the remote switch must not exceed 100 feet.

The wiring shown is for a timer replacing a three-way load-side installation. Cap with a twist connector.

TESTING THE TIMER

Single-Pole Wiring Test

To test the timer, press ON/OFF several times. The timer should "click" and the controlled light or device (load) should turn ON or OFF.

Three-Way Wiring Test

1. To test the timer, test with the remote switch in each of its two positions.
2. Press ON/OFF several times. The timer should "click" and the controlled light or device (load) should turn ON or OFF.
3. If the timer clicks, but the load does not operate:
   a. Disconnect the power at the service panel.
   b. Re-check your wiring and make sure the load is functional.
   c. Reconnect the power at the service panel.
   d. Retest.
4. If the timer clicks, but the load only operates when the remote switch is in one of its two positions, repeat Step 3, a-d, but interchange the two traveler wires (wires between the timer and the remote three-way switch) connected to the red and blue timer wires.
5. When the timer "clicks" and the controlled device turns ON and OFF as appropriate, congratulations, the timer is successfully installed!

Enjoy your new timer!