



Model: TEC Timed Event Controller

Installation Guide and Owner's Manual



FUNCTION

The TEC Timed Event Controller is a high quality plug-in home automation controller that is capable of transmitting UPB (Universal Powerline Bus) digital commands over the existing power wiring to remotely turn on and off other UPB devices at preset times and days. The TEC can be freely located anywhere a wall outlet exists throughout the home. No additional wiring is required and no radio frequency signals are used for communication.

FEATURES:

- Stores 20 Individual Events
- Astronomic Sunset/Sunrise Settings
- Security Mode Randomly Varies the On/Off Time Each Day.
- Time Event Suspend/Activate Feature
- Automatic Clock Adjustment for Daylight Saving Time
- Automatic Leap Year Adjustment.
- 10-year Battery Back-Up
- Title 24 compliant

IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic safety precautions should always be followed, including the following:

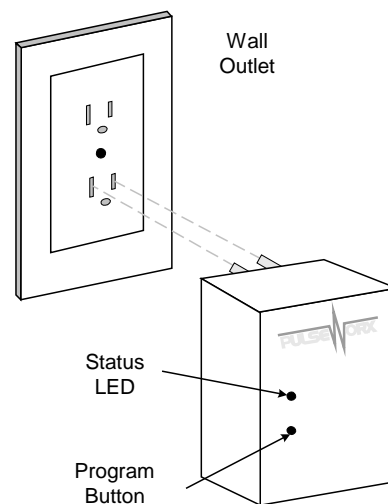
1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Keep away from water. If the product comes in contact with water or other liquid, turn off the circuit breaker and unplug the product immediately.
3. Never use products that have been dropped or damaged.
4. Do not use this product outdoors.

5. Do not use this product for other than its intended purpose.
6. Do not cover this product with any material when in use.
7. This product uses grounded plugs and sockets to reduce the risk of electric shock. These plugs and sockets fit only one way. If they do not fit, consult an electrician.
8. SAVE THESE INSTRUCTIONS.

INSTALLATION

The TEC is designed for indoor use with devices that plug into a grounded power outlet. To install the TEC module:

1. Locate any free wall outlet throughout the home.
2. Plug the TEC into the wall outlet (see illustration).
3. Optionally, the TEC can be secured to the wall outlet by screwing the wall plate center screw through the TEC's mounting tab.



CONFIGURATION

After installation is complete, the TEC must be configured using the UPStart Setup Software to set the location and event schedules information. All programmed data is protected by non-volatile memory and can only be changed or deleted by reprogramming, regardless of power outage durations. A factory installed lithium battery maintains accurate time and calendar information for 10 years.

PCS has developed a Powerline Interface Module (PIM) and free software (UPStart) to help you configure all of your PulseWorx Lighting System devices. User's Guides are available on the PulseWorx page at www.pcslighting.com to explain how to configure your system.



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UPStart Configuration

Follow the steps described below to configure your TEC:

Step 1: Add the TEC to your UPB Network

Add the TEC to your UPB Network by selecting the **Device→Add** menu item in the UPStart Setup Software. UPStart will find your TEC and allow you to name it. UPStart will also ask you to enter the Latitude, Longitude and Daylight Saving Time information for your location.

Step 2: Specify an Event to Configure

Double-click the TEC icon to begin Timed Event configuration. Select the "Events 1-10" tab (note: there can be a maximum of 20 configured events). Click the **Add** button.

Step 3: Specify a Link to Control

Select the **Link** tab and choose one link to be controlled.

Step 4: Specify the Event Days

Select the **Date** tab and choose one or more days for this event to occur. This can be either a specific date or specified days of the week.

Step 5: Specify the Event Time

Select the **Time** tab and enter the time of day this Event is to occur. This can be specified as either an exact time or a time relative to sunrise or sunset. Optionally, the event time can be configured to randomly vary each time by a specified amount of minutes.

Step 6: Specify Event Action

Select the **Action** tab and choose one command (Activate, Deactivate, Go to 100%, or Go to 0%) to be transmitted when the Event occurs.

Step 7: Specify a Suspend Link (optional)

An Event can be configured to be enabled (active) or disabled (suspended) by a UPB Link command transmitted or received by the TEC. This is useful for temporarily suspending an Event from occurring or automatically activating the Event at a specified time. To configure an Event to be controlled by a Link, select the **Suspend** tab and specify the Link to control the Event.

Step 8: Program the TEC

Once you have specified the Timed Event, press the **Program Device** button to program the information into the TEC.

SETUP Mode

When configuring a UPB system, it will be necessary to place the TEC in SETUP mode. To do this, press the Program Button (see illustration) **five** times rapidly. The Status LED will continuously blink Blue when the device is in SETUP mode. To

exit SETUP mode, press the Program Button **twice** more or wait five minutes for it to time out.

OPERATION

Once installed and configured your TEC will operate on the stored configuration settings without further user intervention. The TEC will automatically adjust for Daylight Saving Time (DST) and changes in sunrise/sunset times.

Factory Default Settings

To restore the following default settings place the TEC into SETUP mode and then press the Program Button **ten** times rapidly. The Status LED will blink red to indicate that factory defaults have been restored. Press the Program Button **twice** more to stop the blinking.

Network ID:	255
Unit ID:	26
Network Password:	1234
Timed Events:	Empty

TYPICAL USES

The TEC is perfect for controlling other PulseWorx devices on a timed schedule. Typical applications are:

- Landscape lighting,
- Sprinklers/Irrigation systems,
- Vacation – lived-in look
- Coffee makers,
- Christmas lights.

LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in materials and workmanship for a period of five years from the date of purchase. Refer to the warranty information on the PulseWorx page at www.pcslighting.com for exact details.



The Inventors Of:



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