FUNCTION
The TCM Telephone Control Module 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 whenever the telephone rings. The TCM can be freely located anywhere a wall power outlet exists throughout the home. Only limited additional wiring is required and no radio frequency signals are used for communication.

FEATURES:
- Senses a ring on two separate phone lines.
  - Configure different actions to occur for a Line #1 ring and a Line #2 ring.
- Command lights to flash when a telephone rings.
- Command a vacuum or appliance to turn off when a telephone rings.
- Ability to remotely enable/disable the telephone ring sensing mechanism.

TYPICAL USES
The TCM is perfect for sensing telephone rings to trigger actions such as:
- Flash a light for the hearing impaired
- Turn on path lights
- Turn off a vacuum or appliance

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.
CONFIGURATION
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 Guide (available on the PulseWorx web site: www.PulseWorx.com) explain how to configure your system using the UPStart software.

UPStart Configuration
Follow the steps described below to configure your TCM:

**Step 1: Add the TCM to your UPB Network**
Add the TCM to your UPB Network by selecting the DeviceÆAdd menu item in the UPStart Setup Software. UPStart will find your TCM and allow you to name it.

**Step 2: Start TCM Configuration**
Double-click the TCM icon to begin configuration. Select the Transmit Components tab to begin configuring what to control.

**Step 3: Specify the Link(s) to Control**
On the Transmit Components tab, select one link to be controlled for each channel.

**Step 4: Specify the Sensing Mode**
On the Transmit Components tab, press the Mode button and select a Sense Mode that you desire. Note: for the TCM it is highly recommended that you keep this as “N.O. Link Activator”.

**Step 5: Specify a Suspend Link (optional)**
A sense channel can be configured to be enabled (active) or disabled (suspended) by a UPB Link command received by the TCM. To configure a sense channel to be controlled by a Link, select the Receive Components tab and specify the Link to control the sensing channel. The channel will be suspended when a DEACTIVATE or GOTO 0% command is received for the specified link and activated when an ACTIVATE or GOTO > 0% command is received.

**Step 6: Program the TCM**
Once you have specified the desired configuration, press the Program Device button to program the information into the TCM.

OPERATION
Once installed and configured your TCM will operate on the stored configuration settings without further user intervention. Whenever the telephone rings the TCM will transmit the configured UPB command onto the powerline.

**Factory Default Settings**
To restore the following default settings put the TCM into SETUP mode and then press the Program Button 10 times rapidly. The Status LED will blink red to indicate that factory defaults have been restored. Press the Program Button 2 more times to stop the blinking.

- **Network ID:** 255
- **Unit ID:** 37
- **Network Password:** 1234
- **Transmit Channel #1:** Link #1 Activate
- **Transmit Channel #2:** Link #2 Activate
- **Suspend Links:** All Unused

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 website (www.PulseWorx.com) for exact details.