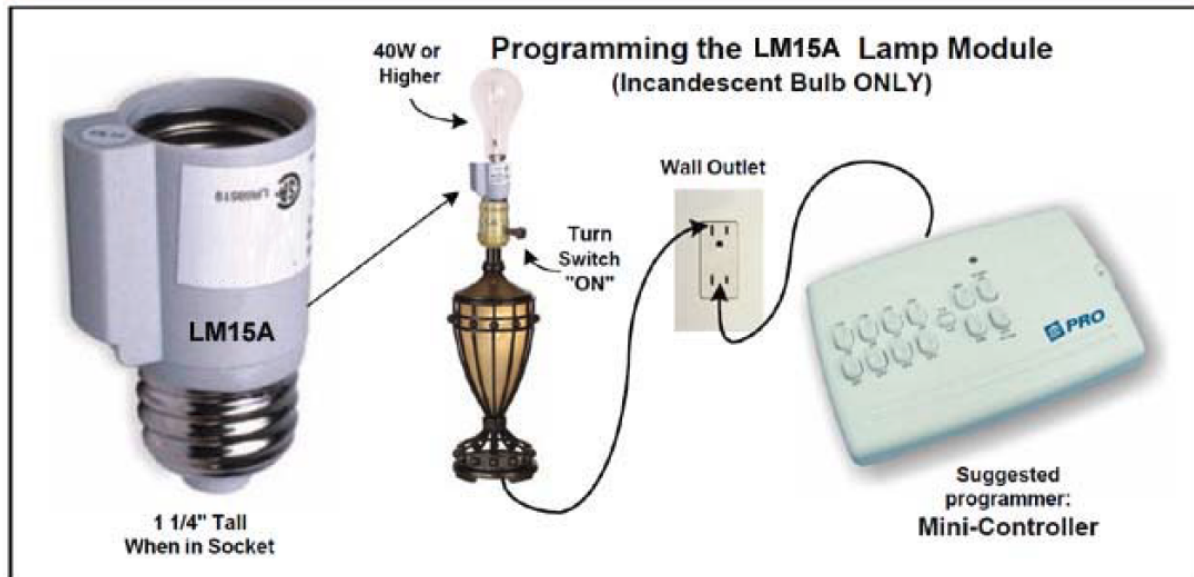# Screw-in Lamp Module — LM15A

Description: Unlike conventional X10 Modules, the LM15A Screw-in Lamp Module does not have any House and Unit Code Wheels. You setup the Address Codes over the electrical power lines of the home from an X10 Controller (such as a MC10A Mini-Controller). The Screw-in Lamp Module "remembers" its Codes even after power outages. Because of its ability to remember the Codes (powered off), you can setup the LM15A at any lamp fixture and then move it to its final destination.

Only 1 1/4 inches in diameter (it extends the bulb by about 1 1/4 inches) with a 3/8 inch bump on one side, this Module will fit inside the cover of most wired-in light fixtures, such as ceiling lights with glass or plastic covers. And because it's small enough to fit under most lampshades, it's perfect for table lamps, too.

Specific Requirements: 120VAC, 40-150W, Lamps rated below 40W may flicker and/or operate erratically. NON DIMMING Incandescent Bulb Only **(Do not use with CFL - Compact Fluorescent Light Bulbs!)**

Optional / Supplementary Devices & Modules: PHK05 -Wireless Remote Kit - Controller. KR19A - Keychain Remote with TM751 RF Base Transceiver - Controller. SS13A Wireless Wall Controller with TM751 RF Base Transceiver - Controller. XPT1 - Wired Wall Controller.

X10 Protocol: House Code Dial - Letters A-P, Default "A" **Unit Number Dial** - Numbers 1-16, Default "1" Each X10 Receiver Module is set to a unique Unit Number or to an identical Unit Number as desired. Each X10 Controller operating a specific set of Receiver Modules must be set to the same House Code as the Receivers they are controlling. Responds to ALL LIGHTS ON Command

Electrical Protocol: Nearly all residential homes are wired SPLIT-PHASE. Each 120V Phase is NOT directly connected with the other 120V phase. If after installation, an X10 Receiver does not respond to a remote Controller, then check to ensure that the breaker serving the X10 Receiver is on the same phase as the Controller. If not, the breaker can be changed to the opposite phase. An alternative solution is recommended, to install a Phase Coupler for improving remote communications throughout the home.

Installation: If the Default Address at "A1" is acceptable in your application, you do not need to program the LM15A at this time. Programming the LM15A Lamp Module to a new Address: 1. Observe above diagram, obtain a standard table lamp, a PMC01 Mini-Controller or Equivalent. (This is easiest and most reliable method). 2. Install a 40W or higher Incandescent Bulb into the lamp socket, turn-on the lamp, ensure bulb is working turn the lamp switch off. 3. Remove bulb from lamp socket, install the bulb into the LM15A, install the LM15A Screw-in Lamp Module into the lamp socket. 4. Plug the Mini-Controller (PMC01) into the same outlet as the lamp. 5. Set the X10 Controller to the House Code (A-P) that you desire the LM15A to respond to. 6. Turn the lamp switch On, applying power to the LM15A. 7. Press the "ON" Button on the Mini-Controller (corresponding to the Unit Number that you want the LM15A to respond to), 3 times, at about 1 second intervals. On the third press the bulb will turn on, signifying that the Code has been learned / programmed. 8. The LM15A can now be removed from the lamp and installed in its normal location in the home. Be sure to observe the Electrical Protocol, above, for proper remote operation with an X10 Controller. Note: The LM15A can be used outdoors only if mounted into a downward pointed socket.

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