

Lighting Control Panels with Specification Grade Panel Interfaces (SPI)

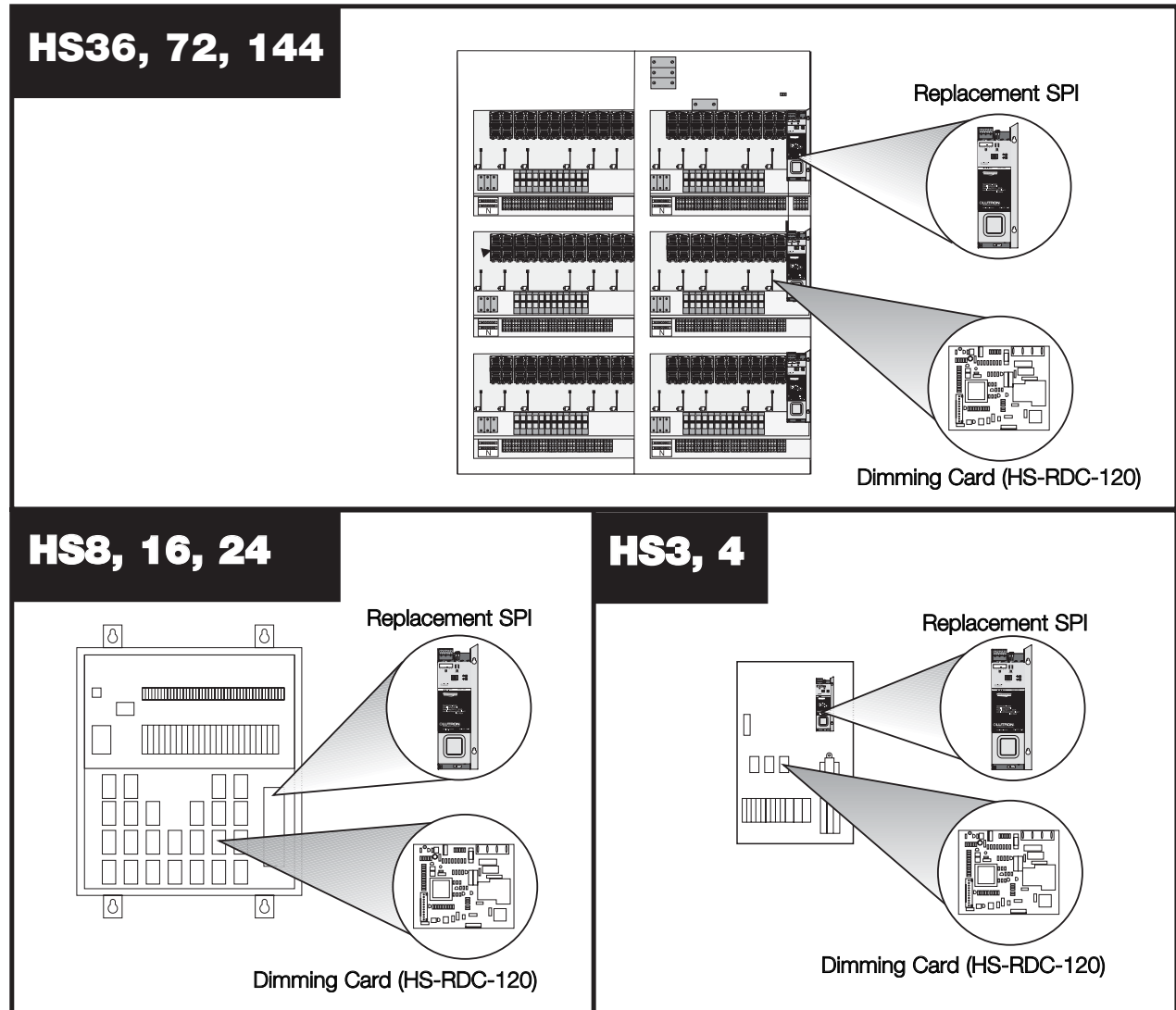


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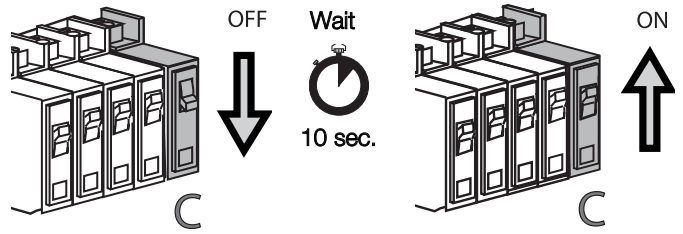
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Confirm Status and Record Current Address

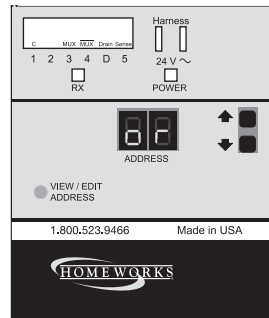
STEP 1: Confirm Status of Existing Panel Interface

- A. Cycle power to ensure consistency with the following steps.
1. Turn control breaker 'C' OFF.
 2. Wait 10 seconds.
 3. Turn control breaker 'C' back ON.



Warning! For HS3 or HS4 (breakers provided by customer) the input breaker of Circuit 1 powers the control wiring as well as Circuit 1's dimmer and load.

4. Verify the Power OK LED is lit. If it is not lit, check for the presence of 24 V \sim on the 24 V \sim harness connectors using a voltage meter. If 24 V \sim is present, replace the Panel Interface. If no 24 V \sim is present and the control breaker is on, call the Lutron Technical Assistance Hotline at **1-800-523-9466**.

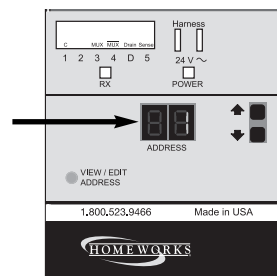


5. If the display reads "or", the unit may be working properly. Please call the Lutron Technical Assistance Hotline at **1-800-523-9466**.
6. The unit should display its current software revision number for 5 seconds and then display its address. If it does not, the unit requires replacement.

STEP 2: Record Current Address

- The address is the only setting that can be changed on the SPI.

- A. Five seconds after cycling power to the SPI (Step 1), the current address of the SPI will be displayed. Record the address for Step 8.





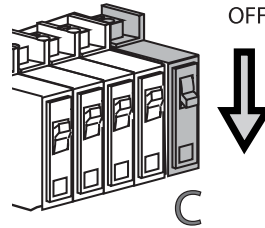
Remove Wiring from Existing Panel Interface

STEP 3: Remove Wiring from Existing Panel Interface

A. Turn control breaker 'C' OFF.

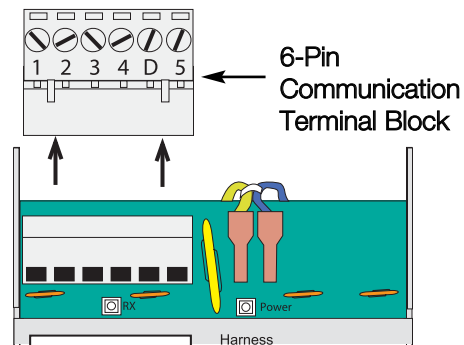


Warning! For HS3 or HS4 (breakers provided by customer), the input breaker of Circuit 1 powers the control wiring as well as Circuit 1's dimmer and load.

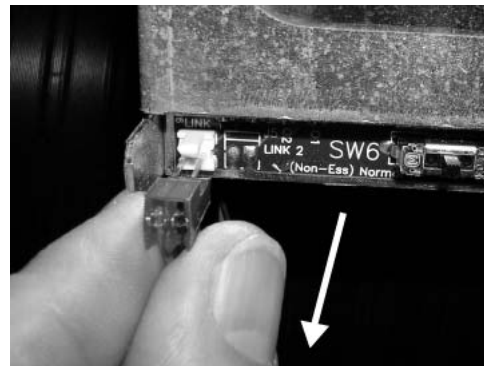


B. Remove wiring from the existing Panel Interface.

1. Unplug the 6-Pin Communication Terminal Block from the Replacement Panel Interface.

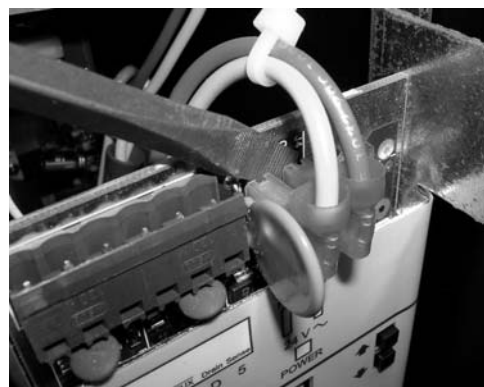


2. Remove dimmer link from the bottom of the Panel Interface.



3. **Carefully** unplug the Class 2/PELV 24 V~ Lutron Wiring with a screwdriver.

Existing Panel Interface

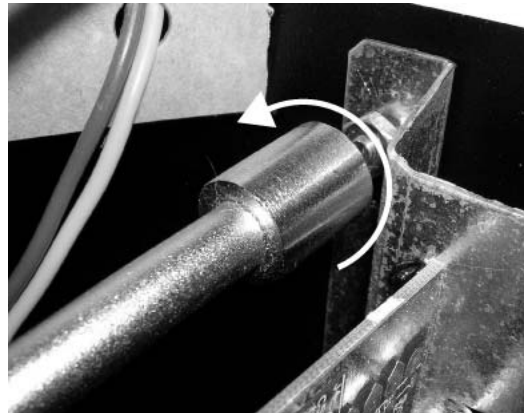




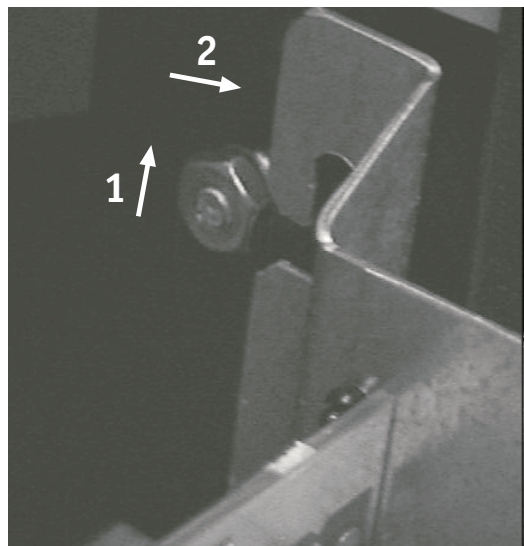
Remove Existing Panel Interface

STEP 4: Remove Existing Panel Interface

- A. Loosen (but do not remove) the two nuts behind the Panel Interface by turning each counterclockwise using a $1\frac{1}{32}$ " (9 mm) nut driver.



- B. To remove the Panel Interface:
1. Lift up,
 2. Pull towards the front of the panel.

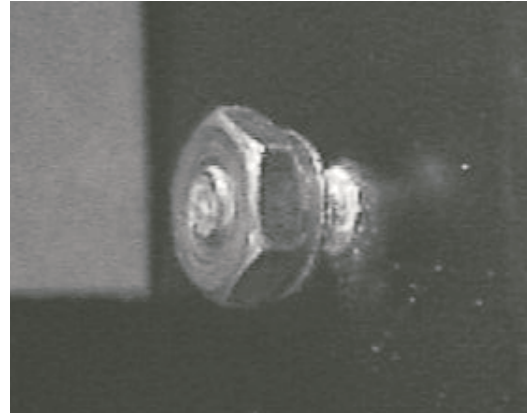




Mount Replacement Panel Interface

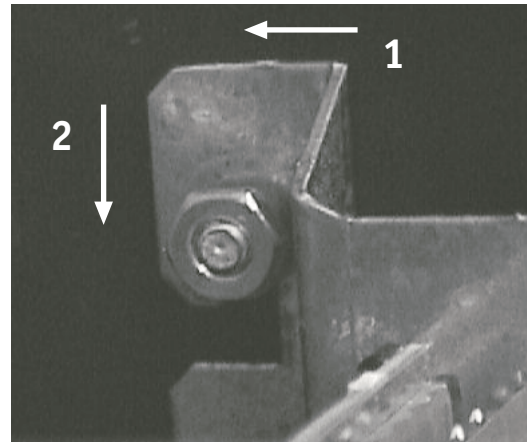
STEP 5: Mount Replacement Panel Interface

A. If the star washers and nuts were removed in Step 4, replace them, but do not tighten completely.

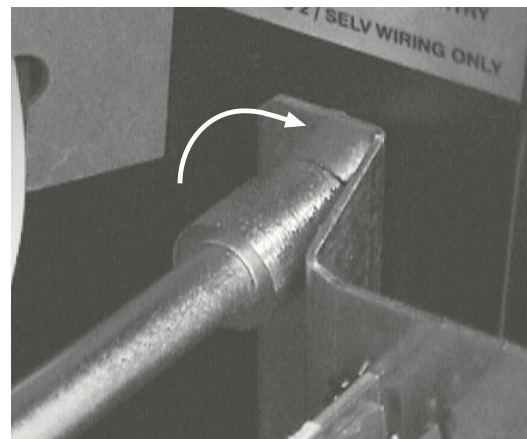


B. Mount Replacement Circuit Selector:

1. Slide the Replacement Panel Interface over the screw/stud.
2. Pull down.



3. Firmly tighten both nuts and star washers.

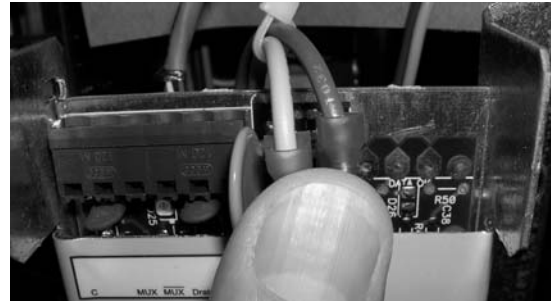




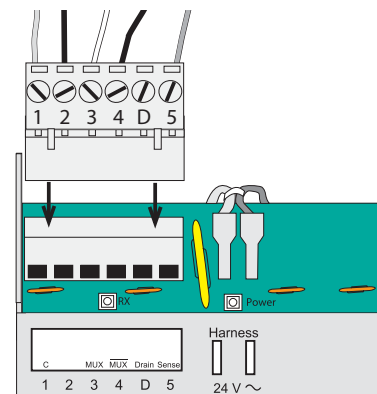
Rewire Replacement Panel Interface

STEP 6: Rewire Replacement Panel Interface

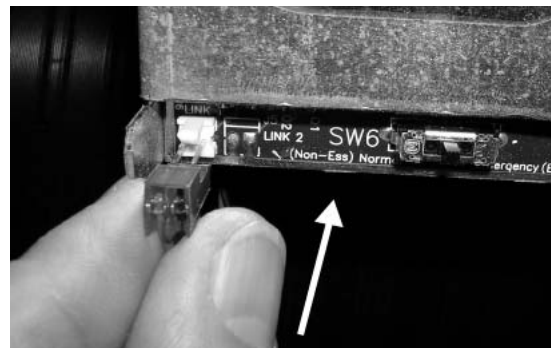
A. Plug Class 2/PELV 24 V~ Lutron Wiring into the Replacement Panel Interface.



B. Plug Terminal Block(s) into the Replacement Panel Interface.



C. Plug in dimmer link to the corresponding outlet at the bottom of the Replacement Panel Interface.





Activate / Address Panel Interface

STEP 7: Activate / Address Panel Interface

Once all controls are installed and wiring is verified, turn control breaker 'C' ON.



Warning! For HS3 or HS4, the input breaker of Circuit 1 powers the control wiring as well as Circuit 1's dimmer and load.

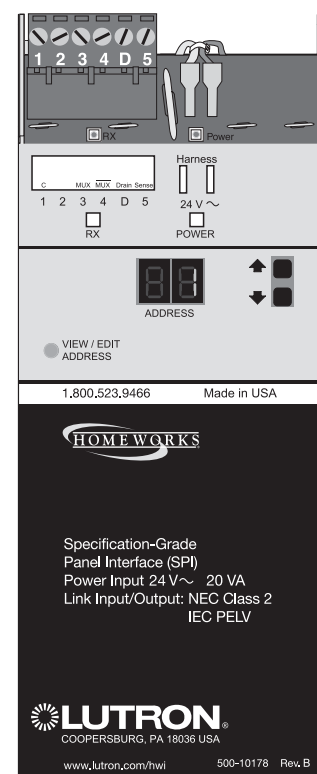
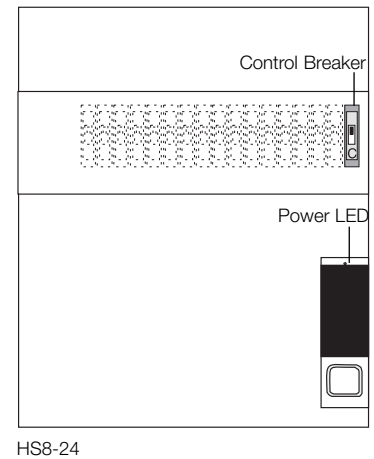
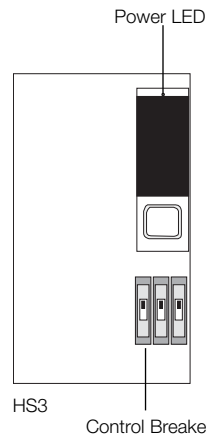
Check that the **Power** LED at the top of the SPI is ON. If the **Power** LED is OFF, turn OFF the control circuit breaker, check for a short between wires 1 and 2, or 2 and ground. Turn control circuit breakers ON for all panels.

Activate SPI

1. When the SPI is activated for the first time, it will execute the SPI self-test. During the self-test, the seven-segment displays will count down (44, 33, 22, 11) and the RX and View/Edit Address LEDs will turn on and off a number of times. Once the self-test is completed, the SPI will display the current address and the View/Edit Address LED will be on solid (no flash). After self-test, the address is reset to "--".
2. If the SPI has been previously activated, it will display the software revision in the seven-segment display and the View/Edit Address LED will be off. After displaying the revision for 5 seconds, the SPI will display the current address and the View/Edit Address LED will be on solid.
3. Verify that the SPI is connected to Link 1 on the HomeWorks® processor and the processor is powered. If the current project has been uploaded to the processor, the RX LED will flash once per second. If the current project has not been uploaded to the processor, the RX LED will not flash.

Address SPI

1. To address the SPI, press and hold both the raise and lower buttons for 3 seconds until the View/Edit Address LED flashes once a second. The SPI is currently in Edit Address Mode
2. Change the address to the correct address (obtained in Step 2) using the raise or lower button.
3. Press and hold both the raise and lower buttons for 3 seconds until the View/Edit Address LED stays on solid. The SPI is now in View Address Mode.





Warranty Information

LIMITED WARRANTY

Subject to the exclusions described below, for a period of eight years after the date of shipment by Lutron, Lutron warrants each new HomeWorks system (the "System") to be free from manufacturing defects. Lutron will, at its option, repair the defective part or issue a credit, based on the prorating schedule below, against the cost of comparable replacement parts purchased from Lutron so long as Customer promptly notifies Lutron of the defect within the eight year warranty period and, if requested, returns the defective component to Lutron:

Number of Years from Date of Shipment	Percentage of Cost of Replacement Parts Credited by Lutron
Up to 2	100%
More than 2 but not more than 5	50%
More than 5 but not more than 8	25%
More than 8	0%

EXCLUSIONS TO LIMITED WARRANTY

This Warranty does not cover, and Lutron and its suppliers are not responsible for:

1. Damage, malfunction or inoperability diagnosed by Lutron or a Lutron approved third party as caused by normal wear and tear, abuse, misuse, incorrect installation, neglect, accident, or interference from radio frequency or infrared sources or obstacles, such as, but not limited to (a) use of incorrect line voltages, fuses or circuit breakers; (b) failure to install, maintain and operate the System pursuant to the operating instructions provided by Lutron and the applicable provisions of the National Electrical Code and of the Safety Standards of Underwriter's Laboratories; (c) use of incompatible devices or accessories; (d) failure to maintain equipment under specified ambient temperature; (e) unauthorized repairs or adjustments; (f) vandalism; and (g) an act of God, such as fire, lightning, flooding, tornado, earthquake, hurricane or other problems beyond Lutron's control.
2. On-site labor costs to diagnose issues with, and remove, repair, replace, adjust, reinstall and/or reprogram the System, at Lutron's option, all of which will be paid by Customer at the then current service price.
3. Where applicable, components and equipment external to the System, such as, lamps; non-Lutron ballasts, sockets, and fixtures; fixture wiring between ballasts and lamps; building wiring between dimmers or dimmer panels and lamps and between controls and controls, dimmers or dimmer panels; and other manufacturers' equipment not provided by Lutron, such as time clocks; audio-visual equipment; motion detectors; photosensors; driveway sensors; pressure pads; shades; and spas.
4. The cost of repairing or replacing other property that is damaged when the System does not work properly, even if the damage was caused by the System.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF SHIPMENT.

NO LUTRON AGENT, EMPLOYEE OR REPRESENTATIVE HAS ANY AUTHORITY TO BIND LUTRON TO ANY AFFIRMATION, REPRESENTATION OR WARRANTY CONCERNING THE SYSTEM. UNLESS AN AFFIRMATION, REPRESENTATION OR WARRANTY MADE BY AN AGENT, EMPLOYEE OR REPRESENTATIVE IS SPECIFICALLY INCLUDED HEREIN, OR IN STANDARD PRINTED MATERIALS PROVIDED BY LUTRON, IT DOES NOT FORM A PART OF THE BASIS OF ANY BARGAIN BETWEEN LUTRON AND CUSTOMER AND WILL NOT IN ANY WAY BE ENFORCEABLE BY CUSTOMER.

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WARRANTY CLAIMS, TECHNICAL ASSISTANCE AND WARRANTY INFORMATION

Contact the Lutron Technical Support Center at the numbers provided below or your local Lutron sales representative with questions concerning the installation or operation of the System or this Warranty, or to make a warranty claim. Please provide the exact model number when calling.

USA and Canada (24 hrs/7days)
+1.800.523.9466
Other countries (8 a.m. - 8 p.m. ET)
+1.610.282.3800
Fax +1.610.282.3090
<http://www.lutron.com>

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