

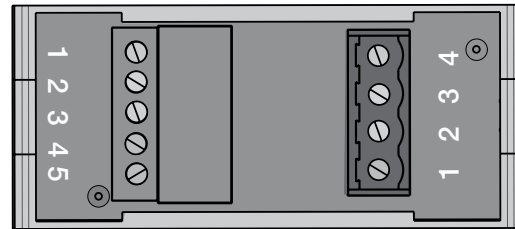
## HQ-HWI-LX Link Translator

The HQ-HWI-LX Link Translator is an interface that is necessary when using a HomeWorks® QS (HWQS) processor with HomeWorks® Illumination (HWI) keypads or contact closures (HWI-CCO and HWI-CCI). It is also required when using HomeWorks® QS with H48 Dimmer Interface boards if the total cable length exceeds 50 ft (15 m) ([www.lutron.com/TechnicalDocumentLibrary/369717a\\_ENG.pdf](http://www.lutron.com/TechnicalDocumentLibrary/369717a_ENG.pdf)).

To facilitate system upgrades from HWI to HWQS, a software license (HQ-HWI-KP-SW) can be purchased in order to use existing HWI devices with a HWQS processor. This provides additional functionality of HWQS processors while allowing existing HWI keypads and contact closures to be used.

### Model Number

HQ-HWI-LX            Link Translator



HQ-HWI-LX

### The HQ-HWI-LX is used with the HWQS processor to upgrade the following panels:

- HWI-PNL-8
- HWI-PNL-8-CE
- HWI-ENC-LV32
- HWI-ENC-LV32-CE
- HWI-LV32-120
- HWI-LV32-CE
- L-LV14-120
- HQ-LV21-120

Note: For wiring details on upgrading panels, refer to Lutron® Application Note #537 *Solutions for Upgrading from HomeWorks® Illumination to HomeWorks® QS* at: [www.lutron.com/TechnicalDocumentLibrary/048537.pdf](http://www.lutron.com/TechnicalDocumentLibrary/048537.pdf)

## HQ-HWI-LX Link Translator

### Specifications

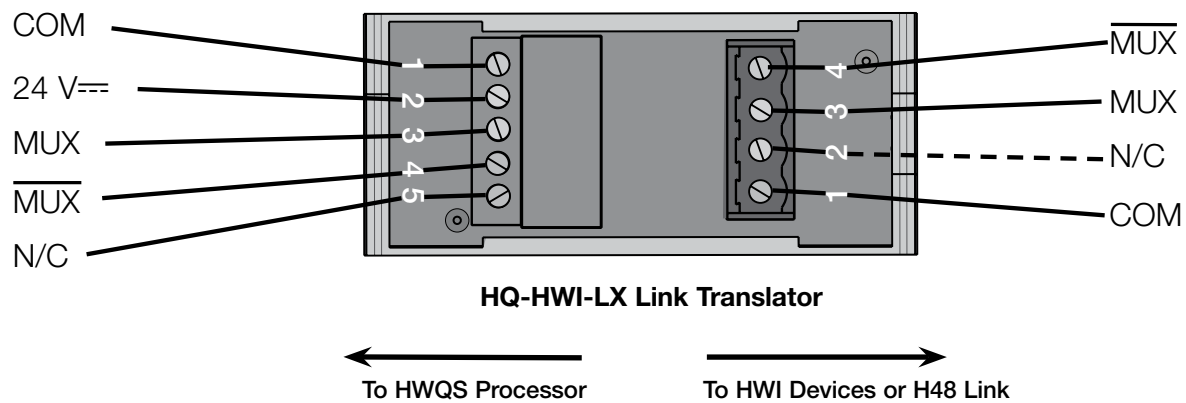
<b>Model Number</b>	HQ-HWI-LX
<b>Input Power</b>	24 V $\overline{=}$ (2 A maximum Feed through Current). Power supplied through the HWQS processor. Incorporates mis-wire protection.
<b>Number of Circuits</b>	One HomeWorks <sup>®</sup> Illumination link (32 devices maximum)
<b>Power Draw Units (PDU)</b>	Consumes 1 PDU
<b>Environment</b>	Ambient operating temperature: 32 to 104 °F (0 to 40 °C). Ambient operating humidity: 0–90% humidity, non-condensing. Indoor use only.
<b>Warranty</b>	<a href="http://www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf">www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf</a> <a href="http://www.lutron.com/TechnicalDocumentLibrary/Intl_Warranty.pdf">www.lutron.com/TechnicalDocumentLibrary/Intl_Warranty.pdf</a>

# HQ-HWI-LX Link Translator

## Mounting

The unit is mounted using the provided 3M® Command® strip. It should be located inside the HWI panel near to the HWQS processor(s).

## Wiring



Two pairs of wire are recommended:

- One pair 18 AWG (1.0 mm<sup>2</sup>) to be used for 24 VDC and common connections.
- One pair 18 AWG to 22 AWG (1.0 mm<sup>2</sup> to 0.5 mm<sup>2</sup>) twisted, shielded IEC PELV/NEC® Class 2 to be used for MUX and  $\overline{\text{MUX}}$  connections.
- Lutron® cable GRX-CBL-346S-500 may be used.

Note: +24 VDC from QS power supply must be wired to P (processor) power, L1 (link 1) power, and L2 (link 2) power at PWR terminal on HomeWorks® QS processor in order for link translator to function.

Note: For more detailed wiring instructions, refer to the Lutron® Installation Guide at: [www.lutron.com/TechnicalDocumentLibrary/043453.pdf](http://www.lutron.com/TechnicalDocumentLibrary/043453.pdf)

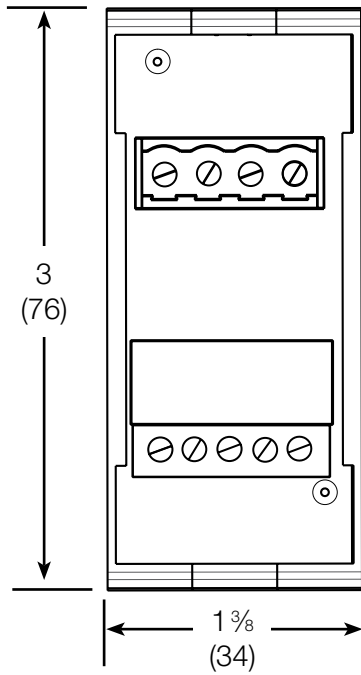
Note: HWI devices require a separate 15 VDC power supply. For a list of the approved Lutron® 15 VDC power supplies, refer to Lutron® Application Note #537 *Solutions for Upgrading from HomeWorks® Illumination to HomeWorks® QS* at: [www.lutron.com/TechnicalDocumentLibrary/048537.pdf](http://www.lutron.com/TechnicalDocumentLibrary/048537.pdf)

# HQ-HWI-LX Link Translator

## Dimensions

All dimensions shown as  $\frac{\text{in}}{\text{(mm)}}$

Front View



Side View

