

Link Extender

Model	LUT-LINK-EXT: extends the total wire length allowed for use on the inter-processor and Module Interface links from 305m (1,000 feet) to 610m (2,000 feet).
Input voltage	100/120, 220/240VAC, 50/60Hz
Regulatory approvals	UL, CSA, NOM, CE, C-Tick
Environment	Ambient temperature: 0-40°C, 32-104°F Ambient humidity: 0-90% humidity, non-condensing. Indoor use only.
Line-voltage	Use copper wire only, supply conductors 60/75°C.
Low-voltage wire type	One pair twisted shielded 1.0-0.5mm ² (#18-22 AWG) Class 2/PELV wiring.
Low-voltage wiring configuration	See figures 3, 4, page 12.3.
Low-voltage connections	One 4-pin removable terminal block. Each terminal will accept up to four 1.0mm ² (#18 AWG) wires.
Addressing	Not required.
Diagnostics	LEDs provide diagnostics for troubleshooting communication on the links.
ESD protection	Meets or exceeds IEC 61000-4-2.
Surge protection	Meets or exceeds ANSI/IEEE standard c62.41.
Dimensions	197mm (7-3/4 inches) x 127mm (5 inches) x 64mm (2-1/2 inches)
Mounting	Mounts on a standard 105mm (4 inches) x 105mm (4 inches) junction box. <i>Lutron</i> backbox 241496 may be used.
Shipping weight	1.1kg (2.4 pounds)
Using special cable	Special wire can be used to extend the total wire length on the inter-processor and Module Interface links from 305m (1,000 feet) to 1220m (4,000 feet) without the use of a Link Extender, and to 2240m (8,000 feet) with the use of a Link Extender. Refer to <i>HomeWorks</i> application note #62 for details and wire specifications.

Link Extender

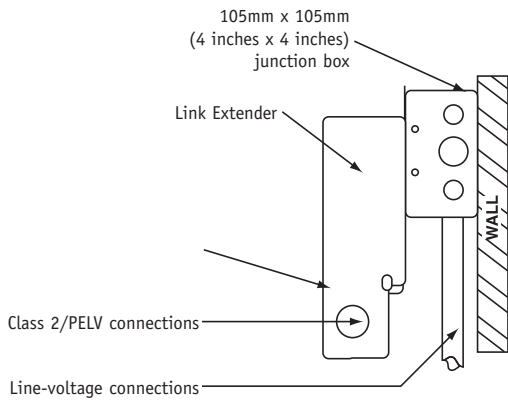


Figure 1 – mounting diagram

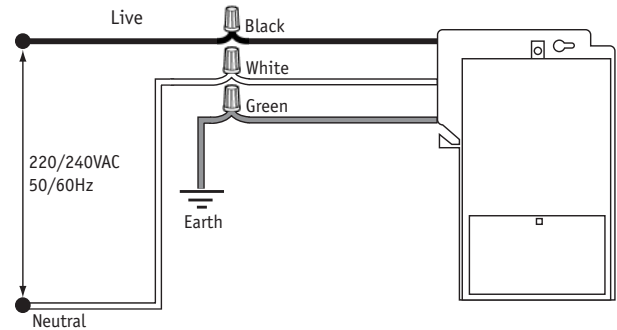


Figure 2 – line-voltage wiring diagram

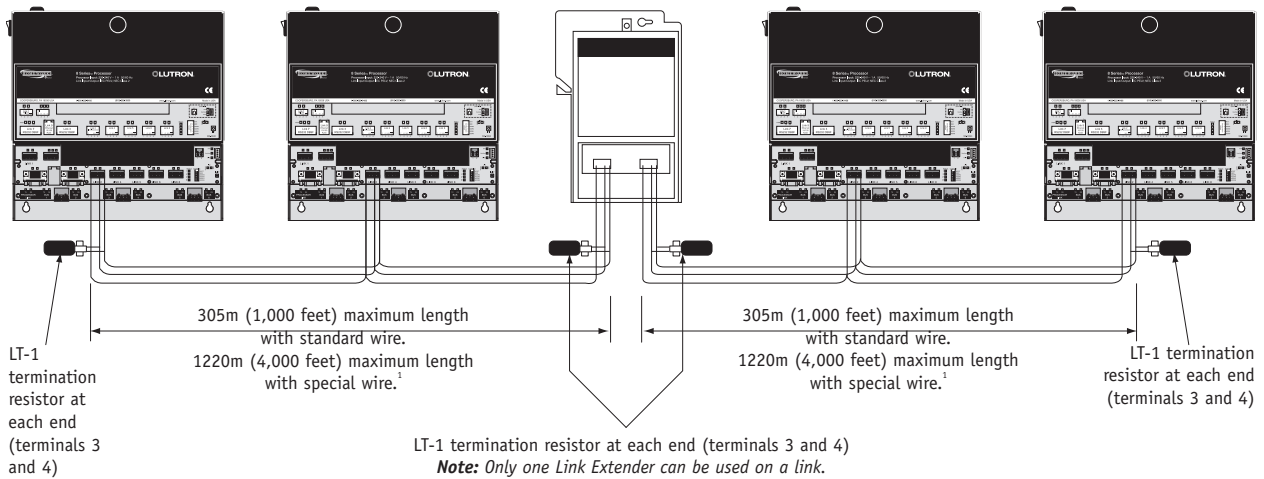


Figure 3 – inter-processor link wiring diagram with LUT-LINK-EXT

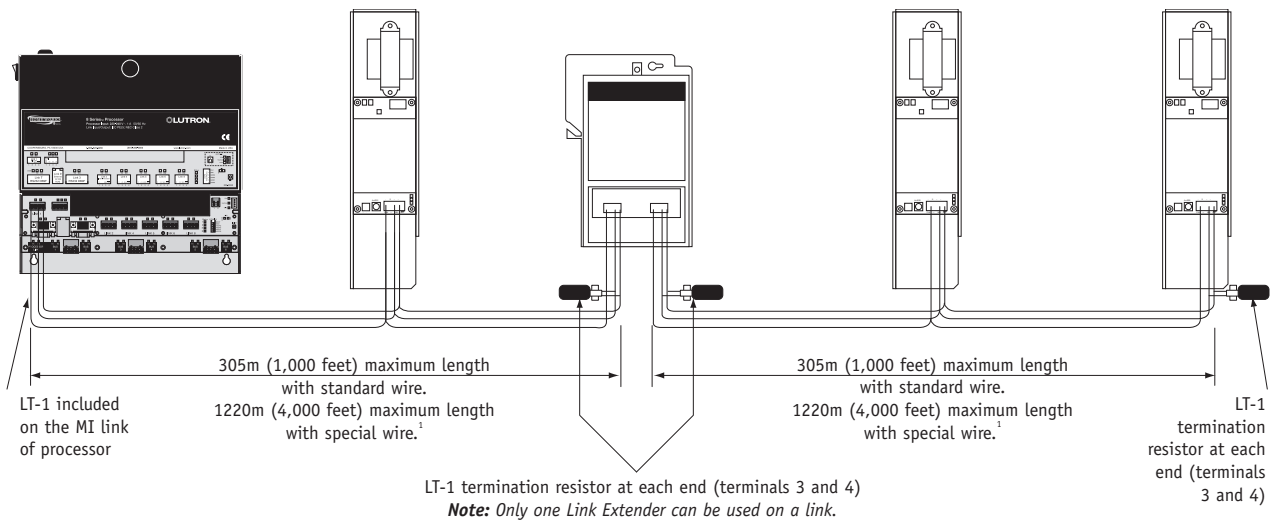


Figure 4 – Module Interface link wiring diagram with LUT-LINK-EXT

¹ For information on special wire, see HomeWorks application note # 62.