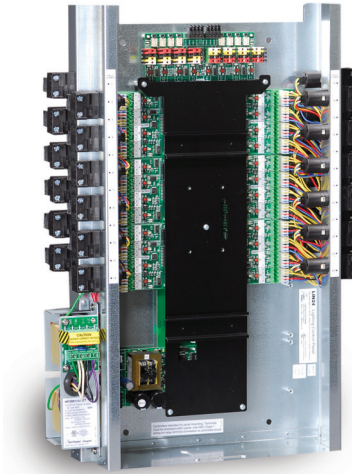


LIGHTING INTEGRATOR LIGHTING CONTROL INTERIOR (LI8, LI24, LI48)

LI-SERIES

Models for 8, 24 or 48
circuits of control

Industry-exclusive heavy duty relay



Compatible with wide range of low voltage control devices (e.g., switches, occupancy sensors and daylight sensors)

Smartwiring enables easy grouping of relays into channels for common control

Description

Wattstopper's Lighting Integrator (LI) is a low voltage, relay based lighting control panel. Panel interiors are configured as 8, 24 or 48 relay capacity with the quantity of relays installed as called for on the order. The interior mounts into the appropriate enclosure. The LI panel enclosure and cover are shipped separately from the panel interior to facilitate project rough-in requirements.

Smartwiring

A unique Wattstopper switching function, this simple button press interface allows any quantity of relays to be assigned quickly to each group switching channel for common on/off control or for pattern (scene) control. Each of the eight channels is provided with an override pushbutton, LED status indicator and terminals for connection of wall switches and occupancy sensors. An eight or 24 size panel can be ordered with one group switch card (8 channels), 48 size panels can have two group switch cards for a total of 16 channels.

Operation

LI relays are driven to a latched on or off position via a 24 volt DC pulse generated by the relay driver cards. A momentary pushbutton is provided for each relay to manually toggle the relay's state with each button press. An isolated contact in the relays provides positive status feedback to the relay driver circuits, which are annunciated by an LED associated with each relay. Removable color-coded terminal blocks allow connection of direct wired low voltage devices for remote control of relays.

Inputs can be wired to accommodate maintained or momentary three wire or two wire inputs. The switch input circuits are auto sensing and will automatically configure appropriately when Wattstopper occupancy sensors are connected.

Features

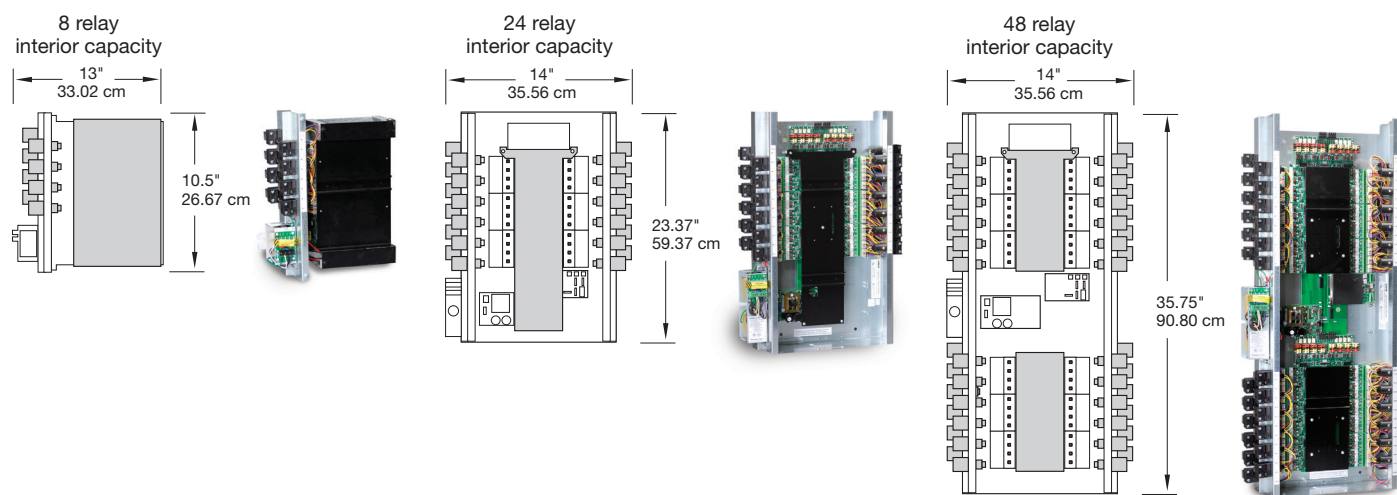
- Interior provides complete isolation between line and low voltage when used with a compatible LENC series enclosure
- Individual plug-in, latching style single pole relays with isolated pilot/status contacts
- Integral push button override, status LED, and pilot light output per relay
- Two slots available for optional automation, networking and integration control cards
- Supports Wattstopper low voltage occupancy sensors without need for separate sensor power packs
- Smartwiring feature allows grouping of relays for common control
- DIN rail mounting provided within the Class 2 section for mounting of optional accessories
- Control multi-pole circuits with optional contactors and compatible LENC enclosure
- Optional configuration available for use on emergency lighting circuits
- BAA/TAA-compliant models available

PROJECT	LOCATION/ TYPE

Specifications

- Interior capacity:
 - 8 circuits, up to 8 SPST relays
 - 24 circuits, up to 24 SPST relays
 - 48 circuits, up to 48 SPST relays
- Input voltage options, 120/277V 60 Hz, 120/347V 60 Hz, 240V 50 Hz
- SCCR (short circuit current rating) 14,000 amps with HDR Heavy Duty Relay
- Low voltage switch inputs, removable terminal blocks with tool-less connection, configurable for three wire momentary, two wire momentary (toggle), and two wire maintained dry contact switches or Wattstopper occupancy sensors.
- Accessory power available
 - LI8: 1000 MA @ 24VAC or 800 MA @ 24VDC
 - LI24 and LI48: 1400 MA @ 24VAC or 800 MA @ 24VDC
- Pilot light output, 24 V rectified or 24VAC, other voltages configurable with external power supply
- Group switching, eight channels per installed group switching card. One card max per LI8 and LI24. Two cards max LI48.
- HDR SPST relays:
 - Coil voltage, 24 VDC, pulse ON and pulse OFF
 - Mechanically latched contacts
 - ½” K.O. mounting, LV plug-connection, individually replaceable
 - UL 20 listed for receptacle circuit control
 - Contact ratings
 - 30 amps ballast @ 277V
 - 20 amps ballast @ 347V
 - 20 amps tungsten @ 120V
 - 30 amps resistive @ 347V
 - 1.5 HP @ 120V 1.5 HP @ 120V 1.5 HP @ 120V 1.5 HP @ 120V
 - 1.5 HP @ 120V 1.5 HP @ 120V 1.5 HP @ 120V 1.5 HP @ 120V
 - Endurance: 300,000 mechanical cycles
- One year warranty

Panel Interior Dimensions



Ordering Information

Interior Capacity	Voltage Options	Relay Count	Installed Options		
			Group Switch Card	Emergency Relays	Coil Voltage
<input type="checkbox"/> LI8	<input type="checkbox"/> 115/277	___ HDR relays installed (max of interior capacity)	___ GS cards (max 1 in 8, 24, 2 in 48)	___ EM relay count (Not available in 8-relay size panels; max. of 24 in 24-relay or 48-relay size interior)	<input type="checkbox"/> 115
<input type="checkbox"/> LI24	<input type="checkbox"/> 115/347				<input type="checkbox"/> 240
<input type="checkbox"/> LI48	<input type="checkbox"/> 240				<input type="checkbox"/> 277
					<input type="checkbox"/> 347