

**Catalog Numbers • Les Numéros de Catalogue • Números de Catálogo: LMCP-LI8/LMCP-LI24/LMCP-LI48**

Country of Origin: Made in China • Pays d'origine: Fabriqué en Chine • País de origen: Hecho en China

## LMCP-LI8 RETROFIT KIT INSTALLATION

**Step 1:** Remove all interior components leaving relays and power supply only.

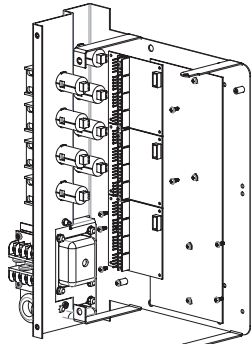


Fig. 1: Example LI8 panel assembly

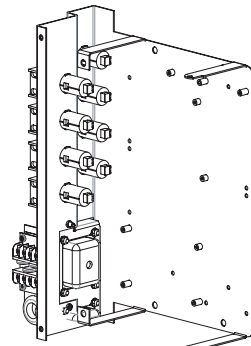


Fig. 2: After removing interior items

**Step 2:** Install adapter plate.

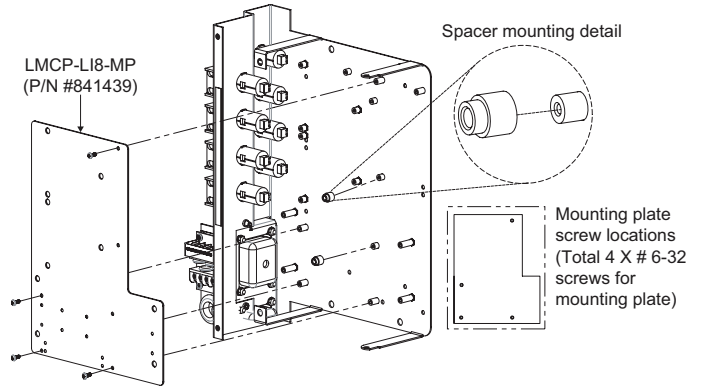


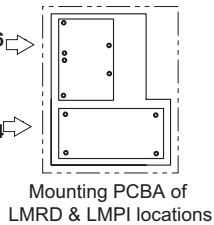
Fig. 3: Mounting details

**Step 3:** Install LMRD and LMPI cards.

**CAUTION:** Do not overtighten screws.

Use # 4-40 screws. QTY: 6 →

Use # 6-32 screws. QTY: 4 →



Mounting PCBA of LMRD & LMPI locations

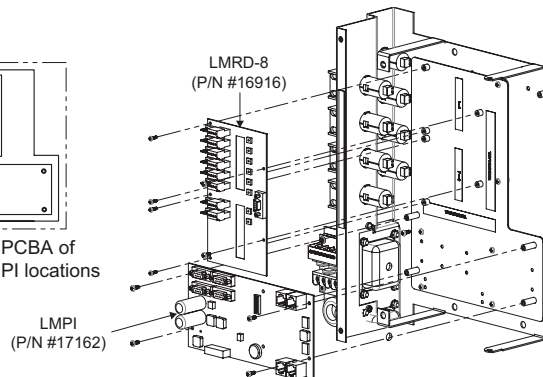
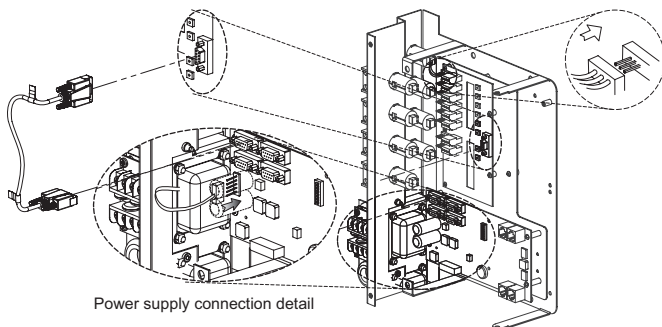


Fig. 4: LMRD and LMPI mounting details

**Step 4:**

- Connect LMRD card to LMPI.
  - Connect relays to LMRD card.
  - Connect power to LMPI.
- (See Relay Connection Details for DIP Switch settings.)



Power supply connection detail

Fig. 5: Connection details

**Step 5:** Apply upgrade label.

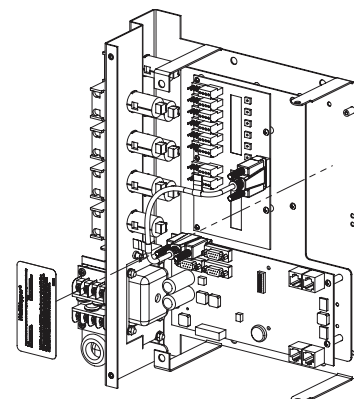
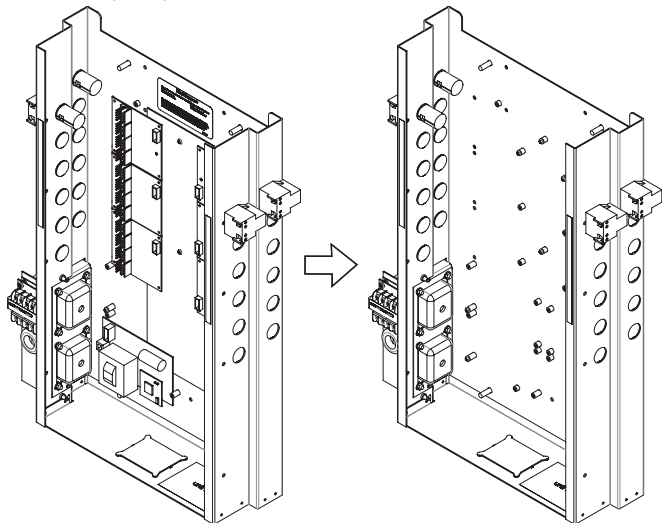


Fig. 6: Label location suggestion

# LMCP-LI24 RETROFIT KIT INSTALLATION

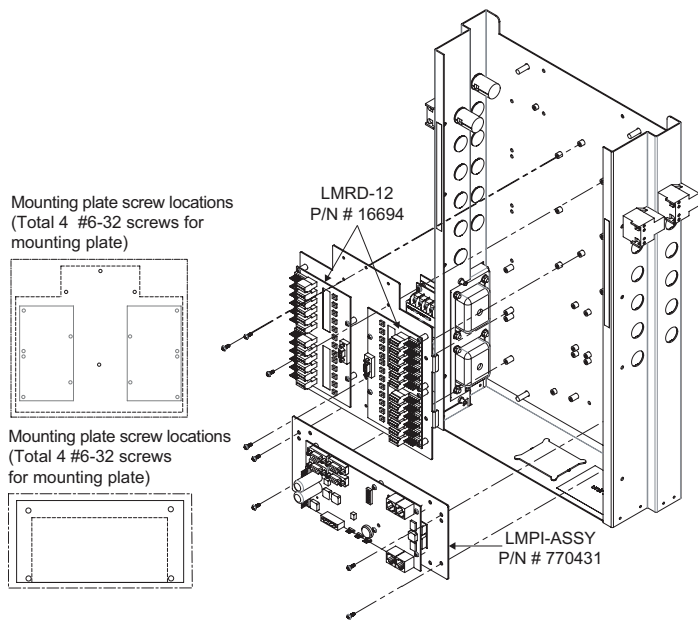
**Step 1:** Remove all interior components, leaving relays and power supply only.



**Fig. 7: Example LI24 panel assembly**

**Fig. 8: After removing interior items**

**Step 2:** Install LMRD and LMPI assemblies.

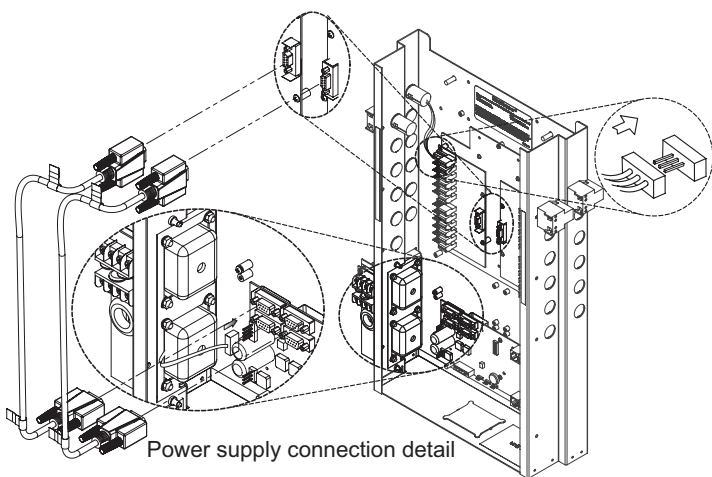


**Fig. 9: Mounting details**

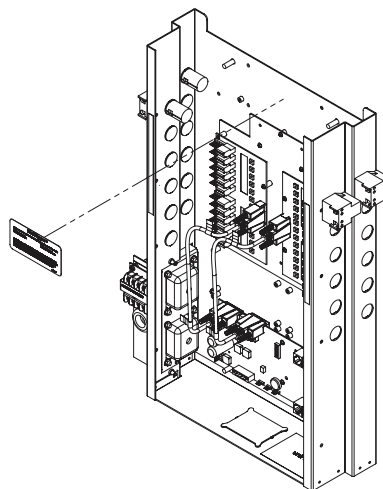
**Step 3:**

- Connect LMRD to LMPI.
- Connect relays to LMRD card.
- Connect power to LMPI.  
(See Relay Connection Details for DIP Switch settings.)

**Step 4:** Apply upgrade label.



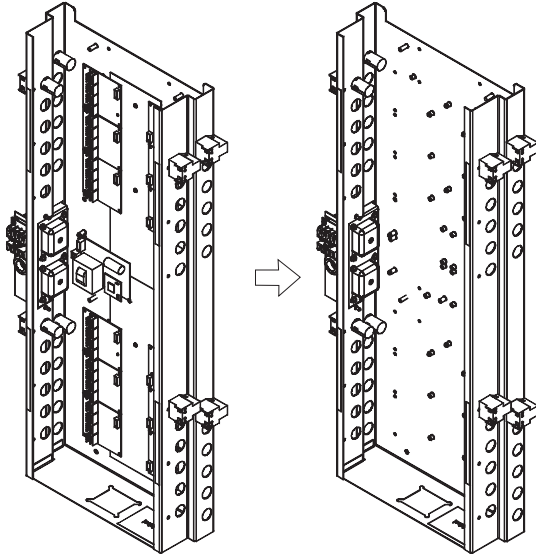
**Fig. 10: Connection details**



**Fig. 11: Label location suggestion**

# LMCP-LI48 RETROFIT KIT INSTALLATION

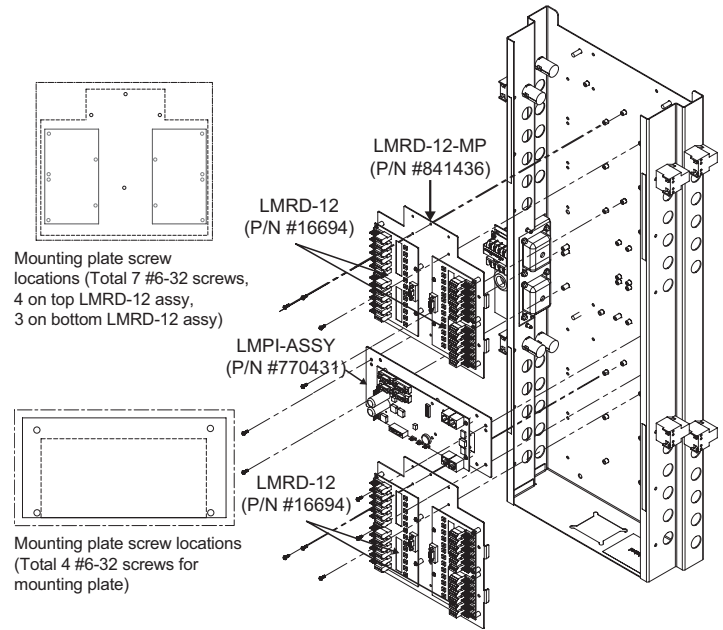
**Step 1:** Remove all interior components, leaving relays and power supply only.



**Fig. 7:** Example LI48 panel assembly

**Fig. 8:** After removing interior items

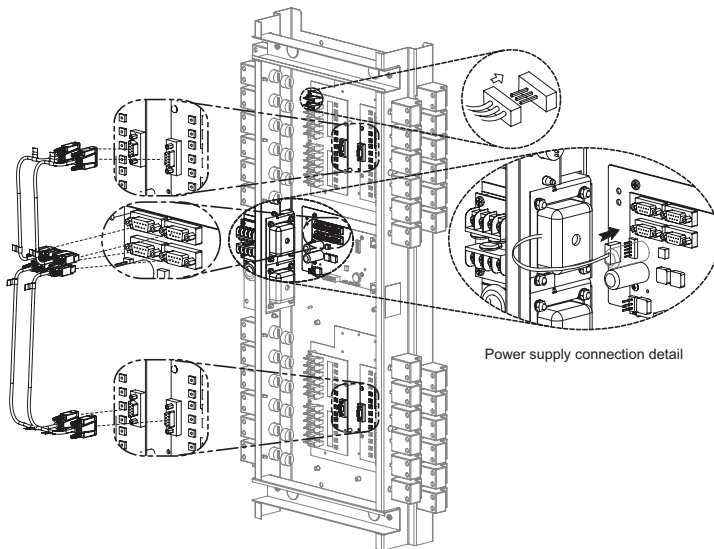
**Step 2:** Install LMRD and LMPI assemblies.



**Fig. 9:** Mounting details

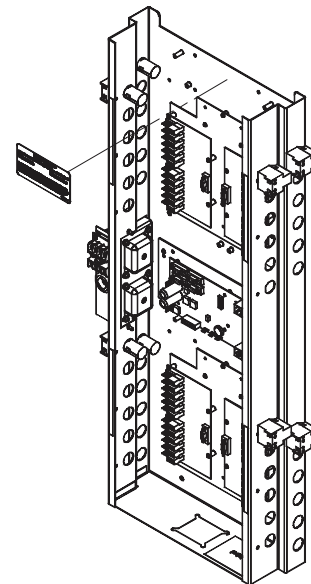
**Step 3:**

- Connect LMRD to LMPI.
- Connect relays to LMRD card.
- Connect power to LMPI.  
(See Relay Connection Details for DIP Switch settings.)



**Fig. 10:** Connection details

**Step 4:** Apply upgrade label.



**Fig. 11:** Label location suggestion

## RELAY CONNECTION DETAILS

### Option 1:

5-pin connector

DIP Switch	Setting
1, 2, 3, 4, 6	Reserved (OFF)
5	ON (for GE relays) OFF (for HDR relays)
7	ON: Relays ON/OFF during PnL OFF: Only pilot LEDs ON/OFF during PnL
8	ON: Pilot LEDs follow logic OFF: Pilot LEDs follow Pilot

### Option 2:

3-pin connector (no pilot)

DIP Switch	Setting
1, 2, 3, 4, 6	Reserved (OFF)
5	ON (50 ms pulse width)
7	ON: Relays ON/OFF during PnL OFF: Only pilot LEDs ON/OFF during PnL
8	ON

### Option 1:

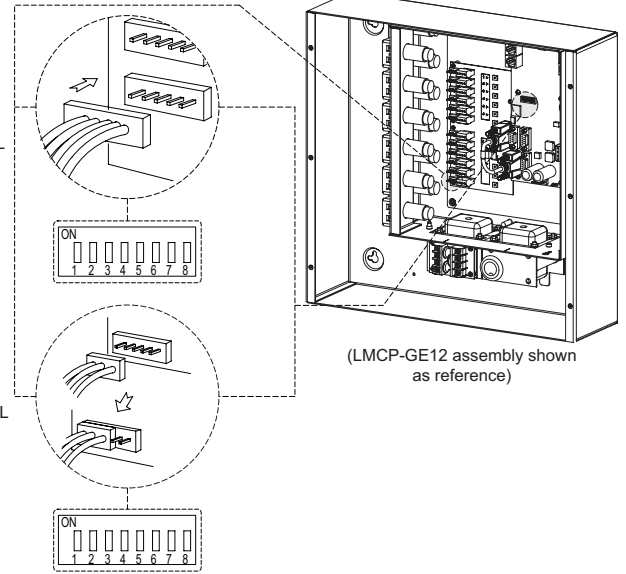
5-pin connector  
DIP switches

- 1, 2, 3, 4, 6: Reserved (OFF)
- 5 - ON (for GE relays)  
- OFF (for HDR relays)
- 7 - ON: Relays ON/OFF during PnL  
- OFF: Only pilot LEDs ON/OFF during PnL
- 8 - ON: Pilot LEDs follow logic  
- OFF: Pilot LEDs follow Pilot

### Option 2:

3-pin connector (no pilot)  
DIP switches

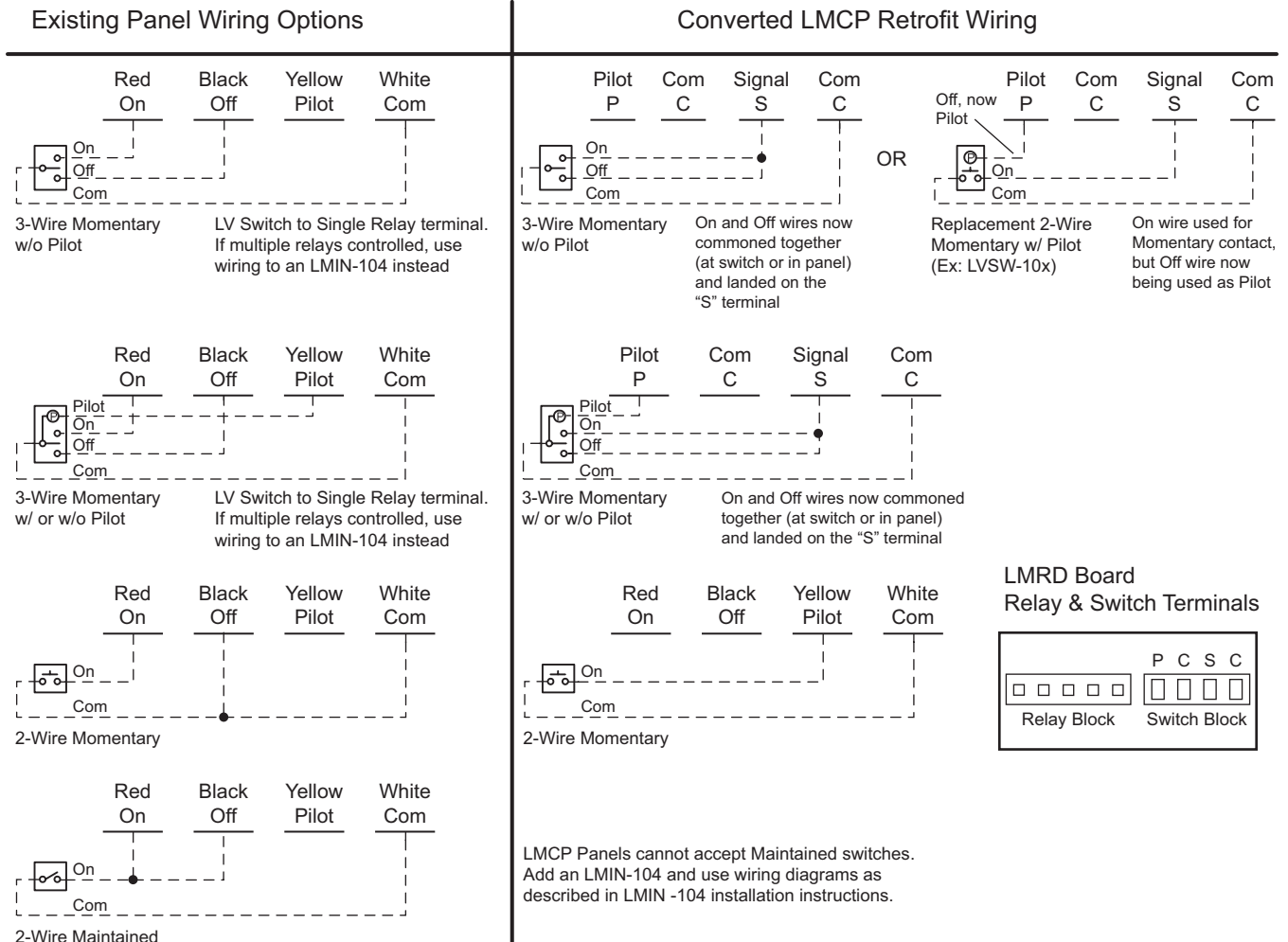
- 1, 2, 3, 4, 6: Reserved (OFF)
- 5 - ON (50 ms pulse width)
- 7 - ON: Relays ON/OFF during PnL  
- OFF: Only pilot LEDs ON/OFF during PnL
- 8 - ON



## RETROFIT LOW VOLTAGE SWITCH WIRING CONVERSION



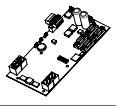
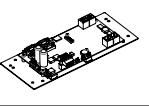
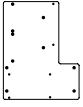
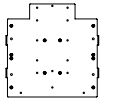






Existing low voltage switches may be converted for operation with the LMCP retrofit panel. Retrofit panel input terminals are limited to toggle operation only. Any existing ON or OFF buttons wired to LMCP terminals will operate as toggle buttons. If this is unacceptable, use the LMIN-104 DLM Low Voltage Input Module for wiring conversions, which supports many input operations including ON-only and OFF-only. See LMIN-104 product documentation for more details.

**NOTE:** Prior to converting for operation with the DLM system, any existing switch wiring must be verified to not run with line voltage wiring. Line voltage wiring can magnetically couple voltage onto low voltage wiring and will cause improper operation.



**NOTE:** Wiring shown is applicable to ON/OFF retrofit panels only. 0-10V retrofit options are not available, nor is wiring shown compatible with 0-10V LMCP panel relay cards.

## PARTS LIST

LMCP-LI8				LMCP-LI24 AND LMCP-LI48				
Part	Description	Part Number	Quantity	Part	Description	Part Number	Quantity	
							LI24	LI48
	LMRD-8	#16916	1		LMRD-12	#16694	2	4
	LMPI	#17162	1		LMPI-ASSY	#770431	1	1
	LMCP-LI8-MP	#841439	1		LMRD-12-MP	#841436	1	2
	Cable Assembly	#841449	1		Cable Assembly	#841449	2	4
	Spacer Standoff	#882162	2		Screw #6-32 L=5/16	#17686	8	11
	Screw #6-32 L=5/16	#17686	8					
	Screw #4-40 L=1/4	#05288	6					

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