

SNAP+ DMX/sACN RELAY 0-10V LIGHTING CONTROL PANEL



OVERVIEW

The SNAP+ panel family delivers robust capabilities in a combined package. Perfect hub of control for small theaters or architectural applications. The SNAP+ panels brings a self contained system of Relays, 0-10V outputs, sACN input, contact closure inputs, and a Pathport for DMX512 in or out. Offering a full range of panel sizes, the SNAP+ Relay Panel is ideal for spaces that require full circuit control, with the optional flexibility of configuring single pole relays into a two or three-pole relays in the field. SNAP+ is UL924 listed for emergency power loads and egress lighting.

FEATURES

- Ethernet port to allow sACN control of relays and 0-10V outputs
- All relays include local manual override lever
- All relays are individually addressable
- One 0-10V dimming output per relay individually addressable.
- Contact input for emergency override (requires maintain contact signal)
- Contact input for override (requires maintain contact signal)
- Relays capable of being field configured to 2 and 3-pole relay configurations with included hardware:
 - 4/8 Relay Panel: 2x2-Pole and 1x3-Pole Hardware Included
 - 12/16 Relay Panel: 4x2-Pole and 2x3-Pole Hardware Included
 - 24/32/48 Relay Panel: 6x2-Pole and 3x3-Pole Hardware Included
- Removable back plate for ease of installation
- UL 924 panel listed for emergency bypass
- Optional field installed voltage barrier(s) for normal/emergency use, or mixed voltage use
- Pathport for DMX512, configurable to be an Input or Output

GOVERNMENT PROCUREMENT

BAA - Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA - Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

3-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: <https://www.acuitybrands.com/support/warranty>

NOTE

Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.



ORDERING INFORMATION

SNAP+ RELAY PANEL						Example: PWSNAP SM HLK ENC32 R24 MVOLT 2VB						
Series	Mounting		Door Type		Panel Size	Relay Quantity		Operating Voltage		Voltage Barrier		
PWSNAP	SM ⁶	Surface Mount	SC	Screw Cover	ENC08	8-Relay Enclosure	R4 ¹	4-Field Configurable Relays	MVOLT	120-277VAC	NOVB	No barriers
		Flush Mount		HLK ⁶	Hinge Locking	ENC16	16-Relay Enclosure	R8 ¹		8-Field Configurable Relays	347	347VAC
				ENC32	32-Relay Enclosure	R12 ²	12-Field Configurable Relays				2VB	2 Voltage Barriers
				ENC48	48-Relay Enclosure	R16 ²	16-Field Configurable Relays				3VB ⁵	3 Voltage Barriers
						R24 ³	24-Field Configurable Relays				4VB ⁵	4 Voltage Barriers
							R32 ³	32-Field Configurable Relays				
							R48 ⁴	48-Field Configurable Relays				

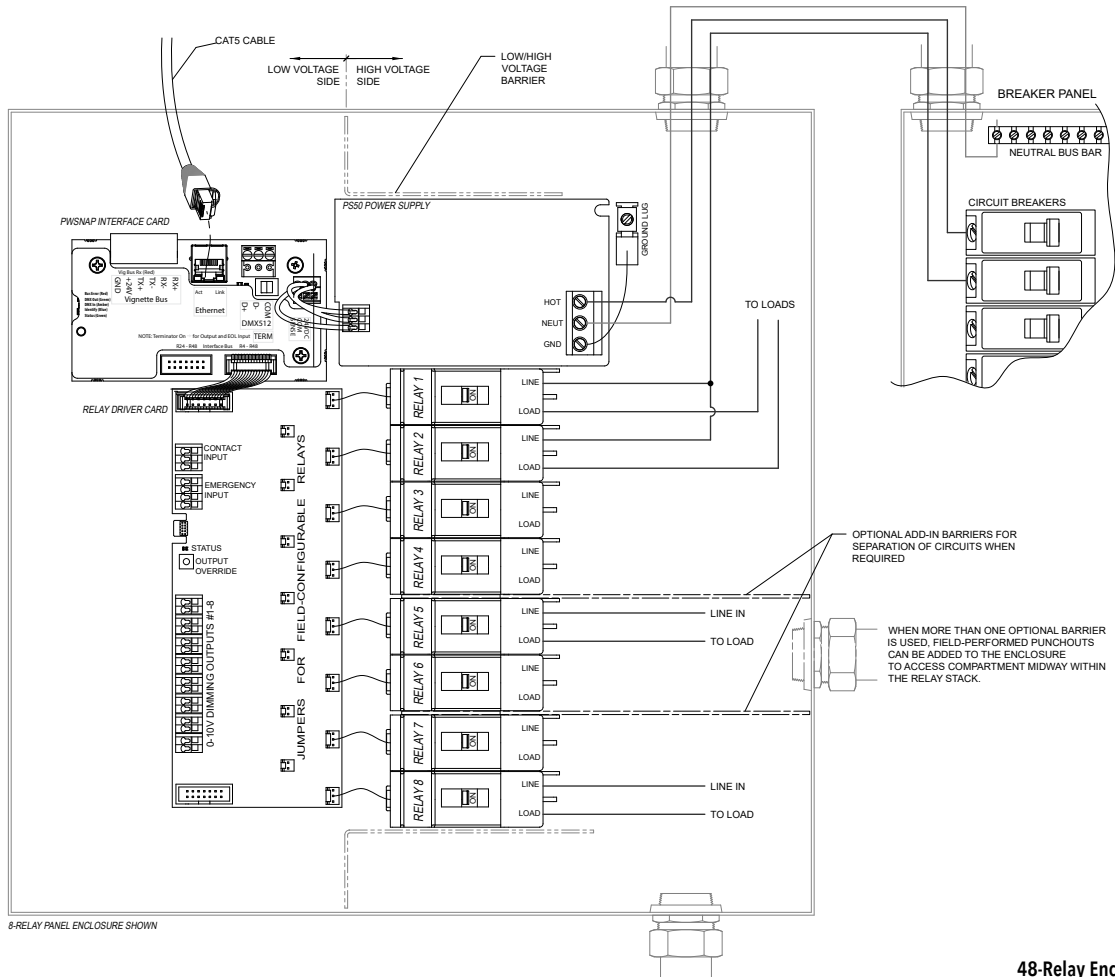
Additional Accessories: Order as separate catalog number.	
Series	Description
PWACC FCR40	Replacement FCR40 Relay
PWACC FCRHARDWARE	Extra set of hardware to create 2 and 3-pole relays in the field (2x 2-pole relays, 1x 3-pole relay)
PWACC SNAPBARRIER0816	Additional voltage barrier for 4/8/12/16 relay panels
PWACC SNAPBARRIER3248	Additional voltage barrier for 24/32/48 relay panels

NOTE: If desired, panel enclosure and interior components can be ordered separately (typically for panel enclosure rough-in prior to final wiring and system programming). Contact your Acuity representative for ordering tree information.

Notes

1. Only available in 8-Relay Enclosure.
2. Only available in 16-Relay Enclosure.
3. Only available in 32-Relay Enclosure.
4. Only available in 48-Relay Enclosure.
5. Only available in 32 or 48-Relay Enclosure Options.
6. 32/48 Enclosures only available in hinge locking surface mount.

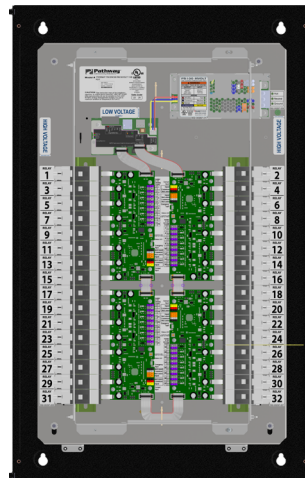
WIRING - SINGLE-POLE



48-Relay Enclosure



32-Relay Enclosure



16-Relay Enclosure

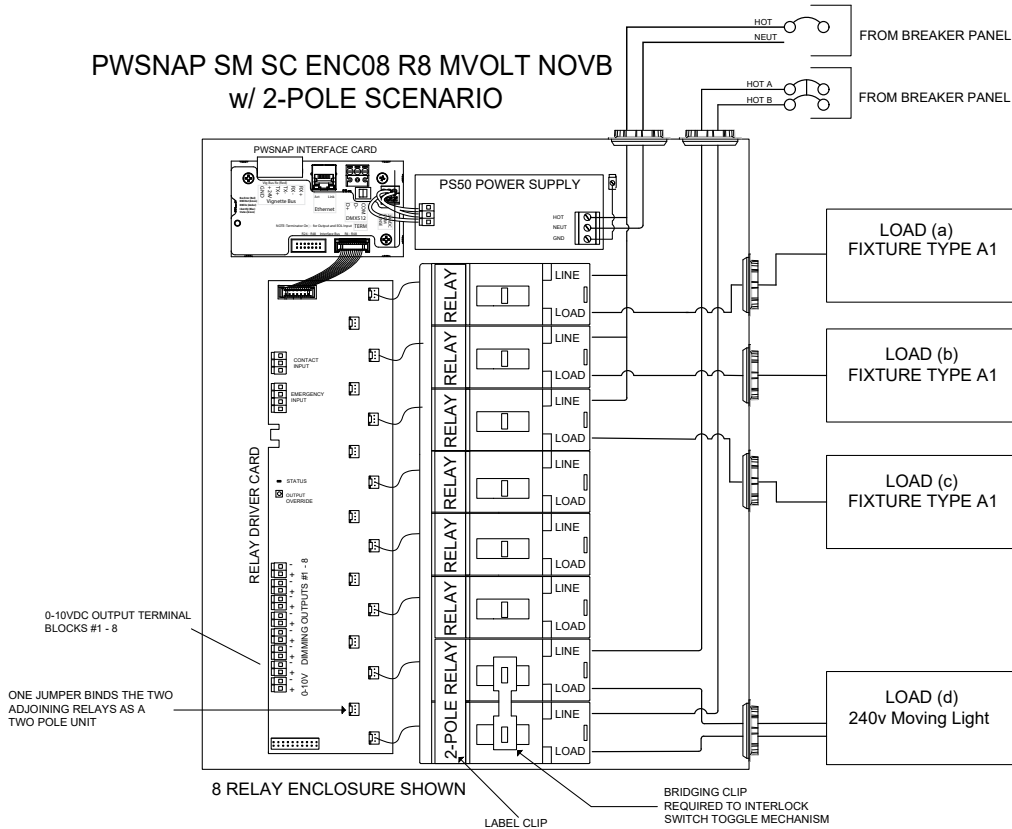


8-Relay Enclosure

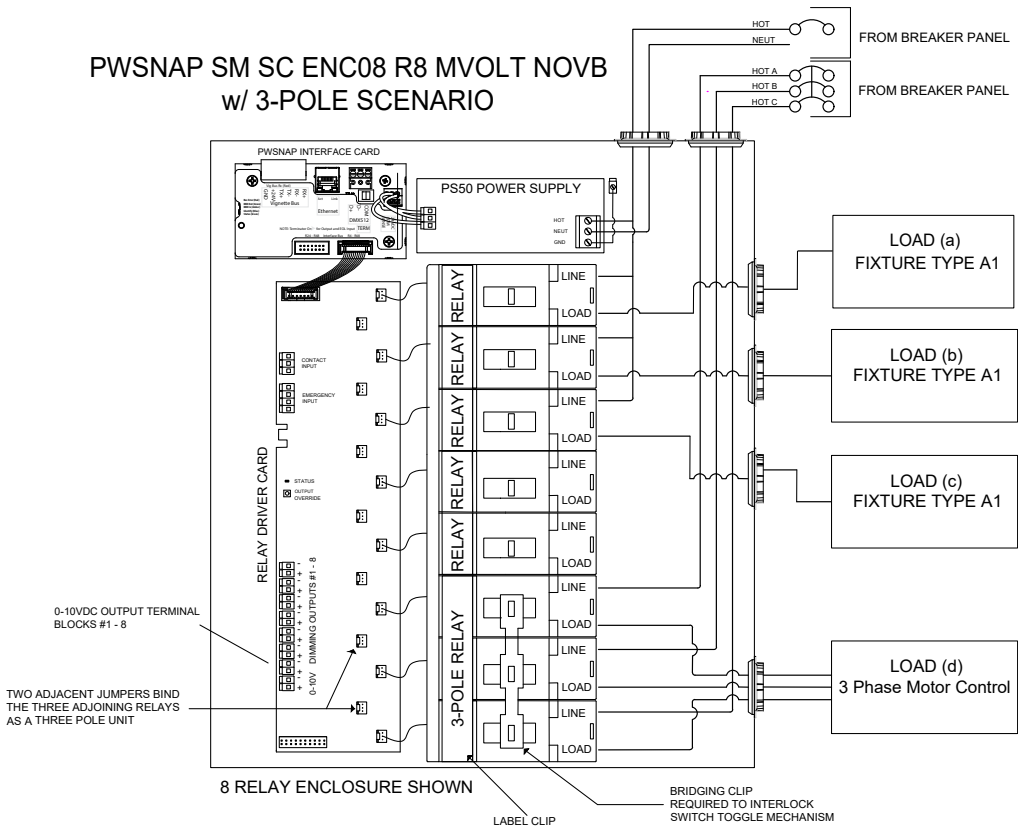


Dead-Front removed
Shown with optional voltage barrier and 347VAC transformer

**PWSNAP SM SC ENC08 R8 MVOLT NOV B
w/ 2-POLE SCENARIO**



**PWSNAP SM SC ENC08 R8 MVOLT NOV B
w/ 3-POLE SCENARIO**



SPECIFICATIONS

Electrical

Power Supply Input Ratings	120-277VAC, 347VAC Option, 50/60HZ Max 0.5 Amps for 8/16 relay enclosure Max 1.0 Amps for 32/48 relay enclosure
Connection Type	Ethernet Port - 10/100 Mbps Ethernet network port (1) DMX512 Ports (1) Contact Closure Input (1) Per Driver Card Emergency Input (1) Per Driver Card CCI & Emergency Input accept 16AWG to 24AWG and are Dry Contact
Output	0-10V Class 1 wiring 100mA Sink per Dimming Output Low Trim default 1V, adjustable down to 0.0v High Trim default 10V, 10V max Connectors 16 to 24 AWG wire
Relays Ratings	Field Configurable for 2-Pole and 3 Pole Relays Up to #6 AWG per lug Magnetic/Standard Ballast: 40A @ 120-347VAC (Single Pole) 40A @ 480VAC (Multi-pole) Electronic Ballast: 16A @ 120-347VAC Tungsten: 20A @ 120-277VAC Horsepower Ratings: 2HP @ 120VAC, 3HP @ 240-277VAC DC: 20A @ 48VDC SCCR: 65kA @ 277/480VAC with: Screw Cover (SC) option for 8 & 16 relay enclosure Hinge Locking (HLK) option for 32 & 48 relay enclosure 14kA @ 277/480VAC with: Hinge Locking (HLK) option for 8 & 16 relay enclosure
Regulatory Compliance	cULus, UL916 and UL924 listed (for emergency circuitry use) Mixed voltages allowed in cabinet in accordance with NEC and local code requirements

Mechanical

Dimensions	<p>8-Relay Enclosure BACKBOX ONLY: 14.25"H x 14.25"W x 4.00"D (362mm H x 362mm W x 102mm D) SURFACE MOUNT SCREW COVER (standard offering): 14.41"H x 14.41"W x 4.05"D (366mm H x 366mm W x 103MM D) FLUSH MOUNT SCREW COVER: 15.65"H x 15.65"W x 4.05"D (IN-WALL DEPTH: 4.0" (362mm))(398mm H x 398mm W x 103mm D)</p> <p>16 Relay Enclosure BACKBOX ONLY: 22.25"H x 14.25"W x 4.00"D (566mm H x 362mm W x 102mm D) SURFACE MOUNT SCREW COVER (standard offering): 22.45"H x 14.45"W x 4.06"D (570mm H x 367mm W x 103mm D) FLUSH MOUNT SCREW COVER: 23.65"H x 15.65"W x 4.06"D (IN-WALL DEPTH: 4.0" (362mm))(601mm H x 398mm W x 1.03mm D)</p> <p>32 Relay Enclosure BACKBOX ONLY: 32.10"H x 20.13"W x 6.00"D (816mm H x 512mm W x 153mm D) SURFACE MOUNT HINGED DOOR w/ KEYLOCK: 32.10"H x 20.13"W x 6.68"D (816mm H x 512mm W x 170mm D)</p> <p>48 Relay Enclosure BACKBOX ONLY: 40.10"H x 20.13"W x 6.00"D (1019mm H x 512mm W x 153mm D) SURFACE MOUNT HINGED DOOR w/ KEYLOCK: 40.10"H x 20.13"W x 6.68"D (1019mm H x 512mm W x 170mm D)</p>
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SPECIFICATIONS

Environmental

Operating Temperature 8 & 16 relay enclosure: 32-122F (0-50C) Ambient [new line]
32 & 48 relay enclosure: 32-113F (0-45C)

Relative Humidity 90% non-condensing

General

Compliance ANSI E1.11 DMX512-A R2013
ANSI E1.20 RDM - Remote Device Management
ANSI E1.31 sACN - Streaming ACN
Pathway ssACN
ANSI E1.3 0-10V Analog Control
ANSI C82.11 Fluorescent Ballast Control
California Title 1.81.26, Security of Connected Devices
FAR-889 Section 889(a)(1)(A) and Section(a)(1)(B)

Government Procurement

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