CATALOG NUMBER

DATE

PROJECT

SNAP DMX RELAY
0-10V LIGHTING CONTROL PANEL

Model shown: **PWRLY R8**
(PWRLY R16 fits in same size enclosure)

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:
www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE

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

BAA BABA

OVERVIEW

Pathway SNAP Relay Lighting Control Panels provide unified DMX512 control of 0-10VDC outputs and relay switching in a single enclosure.

Intended for use with LED drivers requiring mains switching and 0-10V dimming, and for electronic fluorescent ballasts.

Each SNAP Panel consists of 8 or 16 DMX-controlled relays and a 16-way 0-10VDC control interface. Each relay and each analog output can be patched to any DMX address, allowing you to control the outputs and relays interdependently or paired up.

FEATURES

- DMX512 control of 8 or 16 normally-closed (NC) single-pole latching relays and 16 analog 0-10VDC outputs
- DMX512 start address configurable from front panel or remotely using RDM
- Each output may be assigned a non-sequential DMX address
- Analog output may be paired with relays for unified single DMX slot control, or control of relays and analog output may be split by assigning different DMX addresses to each
- Outputs may be patched to Auxiliary Input dry contact inputs
- User-configurable relay trigger threshold
- Indicator LEDs for Power, Processor, DMX Input, Relay state
- Test features include on-board relay test and review of incoming DMX levels on a slot-by-slot basis
- DMX line termination switch
- One DMX Input, and one DMX Thru connection
- UL 924 panel listing for Switching Emergency Circuits

ORDERING INFORMATION

PWRLY		EXAMPLE: PWRLY R16	
Series		**Relay Quantity**	
PWRLY	Pathway SNAP DMX Relay	**R8** **R16**	8-Relays 16-Relays

Accessories	
PWACC R1NC	Pathway Accessory, 1 Relay NC Latching

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SPECIFICATIONS

Electrical

Input Ratings
120/277VAC transformer line voltage input

Output Ratings
100mA per channel, sinking control
10mA per channel, sourcing

Relay Ratings
Normally-closed (NC) Single Pole Relays
30A @ 277VAC Ballast
20A @ 120VAC Tungsten
20A @ 347VAC Ballast
SCCR 18kA @ 277VAC
Rated for 250,000 actuations

Regulatory Compliance
cULus, UL916, UL924 listed (for emergency circuit use)

Mixed voltages allowed in cabinet in accordance with NEC and local code requirements

Mechanical

Dimensions
12.0" W x 18.0" H x 6.0" D (305mm W x 457mm H x 152mm D)

Weight
27.0 lbs (12.25 kg)

Environmental

Operating Temperature
14°F to 113°F (-10°C to 45°C)

Relative Humidity
5-95%, non-condensing

General

Compliance
ANSI E1.11 DMX512-A R2013
ANSI E1.20 RDM - Remote Device Management
ANSI E1.3 0-10V Analog Control
ANSI C82.11 Fluorescent Ballast Control

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.

PART NUMBER CROSS-REFERENCE

PREVIOUS	NEW	
Part Number	**Catalog Number**	**Description**
4850-8	PWRLY R8	Relay Lighting Control Panel with 0-10v, 8-Relays
4850-16	PWRLY R16	Relay Lighting Control Panel with 0-10v, 16-Relays

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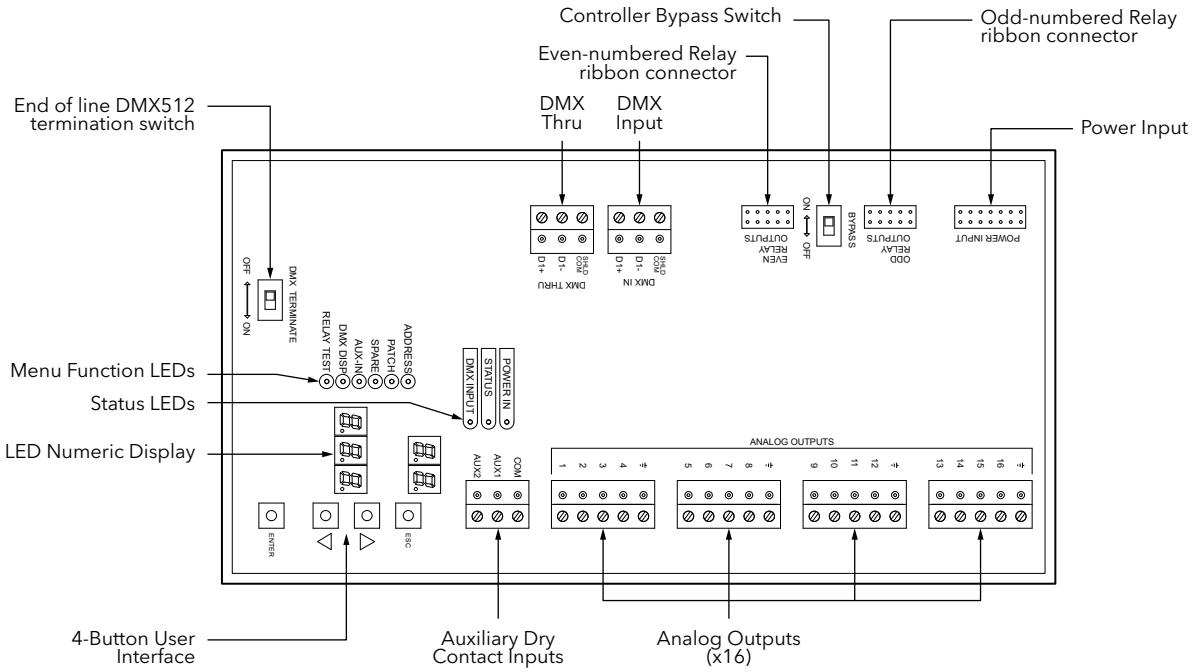
WIRING

DMX512 / RDM PINOUT		
Purpose	**XLR / Terminal Block Pin #**	**RJ45 PIN # and Wire Color**
Shield / Common	1	7 - White / Brown
Data - (complement)	2	2 - Orange
Data + (true)	3	1 - White / Orange
Not Used	4	6 - Green
Not Used	5	3 - White / Green
Not Used - Do Not Connect	N/A	4 - Blue
Not Used - Do Not Connect	N/A	5 - White / Blue
Not Used - Do Not Connect	N/A	8 - Brown

SNAP DMX CONTROLLER CARD



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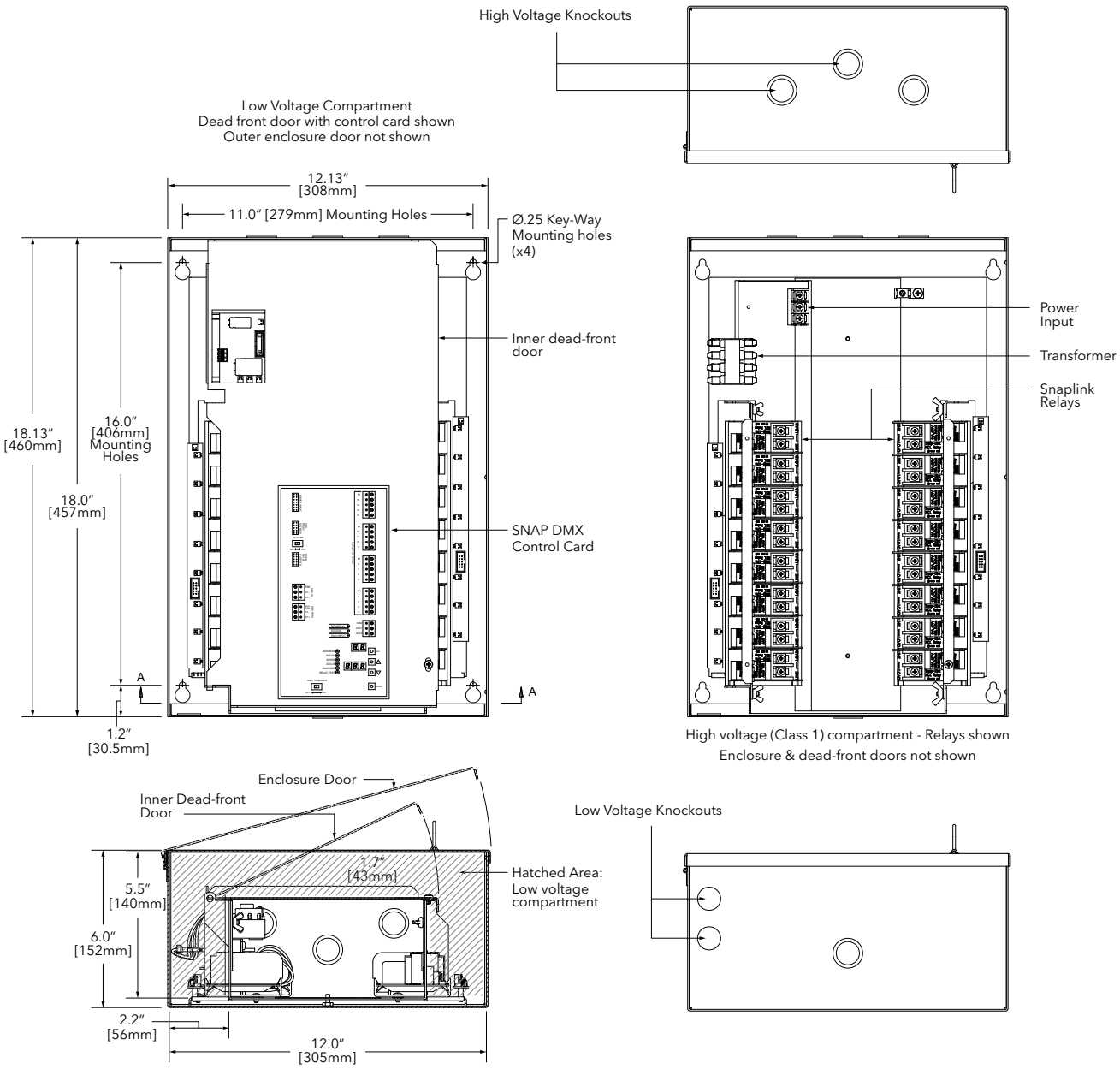
DIMENSIONS



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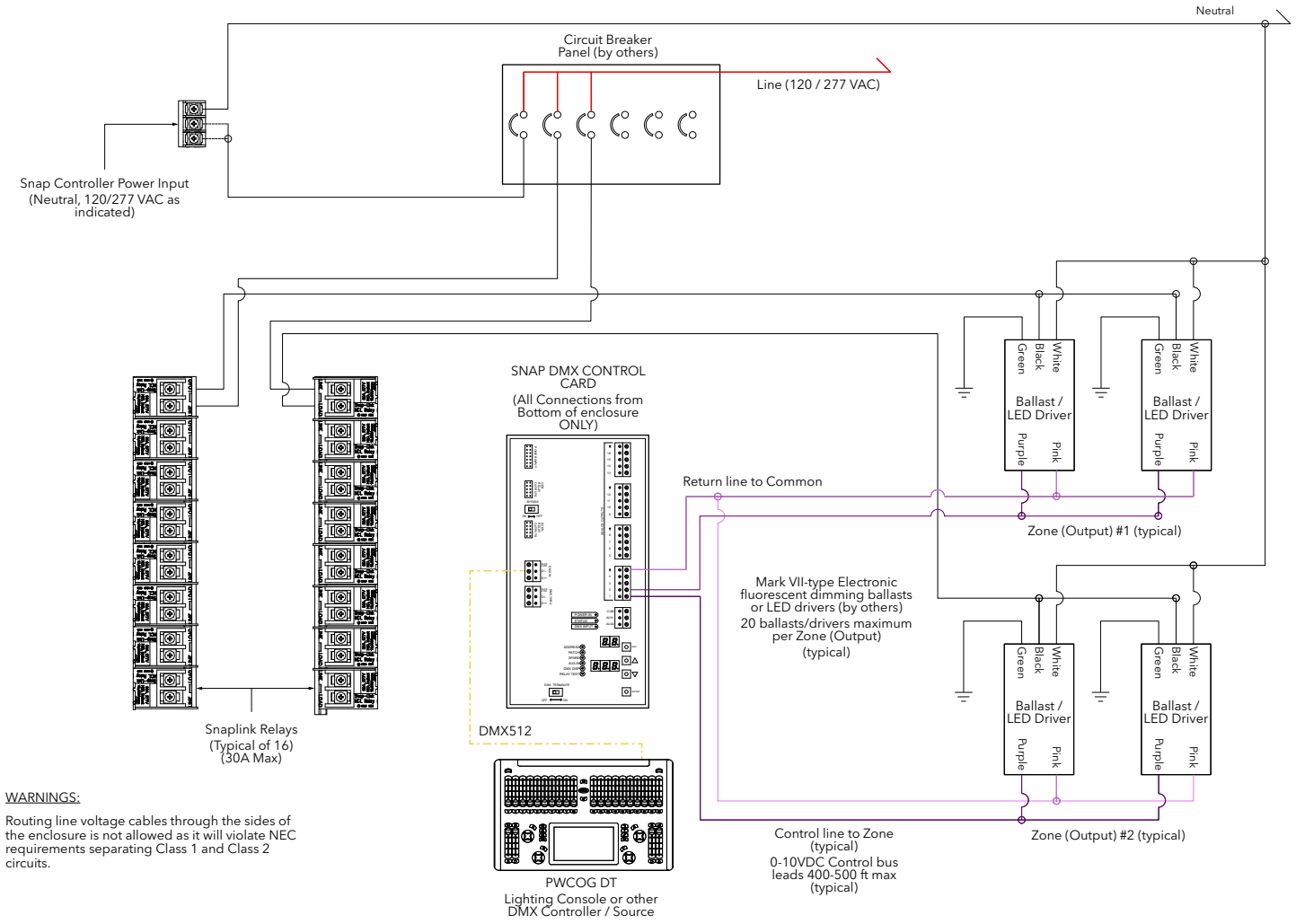
APPLICATION RISER



WARNINGS:

Routing line voltage cables through the sides of the enclosure is not allowed as it will violate NEC requirements separating Class 1 and Class 2 circuits.

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