Pathway®
Connectivity Solutions

DMeXit EMERGENCY CONTROLLER
DMX/RDM OPTO-SPLITTER WITH EMERGENCY MODE

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

The Pathway DMeXit is a UL924 compliant controller designed to send a control signal to DMX lighting in emergencies to satisfy minimum luminance levels for egress lighting. DMeXit uses a wet or dry contact closure from other building management system, or the optonal integrated phase loss detection device. User Recordable snapshot of a single universe DMX will be transmitted to four separate data runs. The outputs are optically isolated to ensure maximum reliability and during normal operation are fully RDM compliant so that your entertainment console or architectural controller still has maximum flexibility when it comes to commissioning and monitoring your system during normal operation. There are multiple options for restoring normal operation after conditions have been cleared, including user programmable time delays, sensing of valid input signal from the normal controller or a remote restore button for facilities or stage managers.

FEATURES

- UL924 Compliant DMX512 Controller
- One universe of DMX input and four optically isolated four outputs
- RDM compliant splitter on all outputs
- Factory Default Snapshot sets all levels at full
- Front panel user interface
    - Power LED
    - DMX Receive LED
    - Emergency Mode LED
    - Test Button
- Internal press and hold to record Snapshot from incoming DMX signal
- May be triggered by external contact closure, integrated phase loss detection or on loss of DMX Input signal
- Programmable Restore operations
    - 1s, 5s, 30s, 1m, 5m and 10m time delay
    - Wait for DMX signal present after emergency condition
    - Wait for user to press Remote Restore Button (optional accessory)
- Programmable DMX speed for Emergency Output
- Three mounting options
    - Wall Mount
    - 8 RU (Rack Unit) high housing fits standard 19" equipment racks
    - Flush Mount (fits between 16" centers)
- Two Class 1 barriered electrical connection sections (emergency power and optional normal power for phase loss) and Class 2 data section fully barriered from Class 1 sections
- ½" and ¾" conduit knockouts for all mounting options to all three electrical sections
- Easy wire management through use of built in lances
- Wet or Dry contact closure input for emergency mode
- Optional 2-wire Remote Restore button with bi-color LED showing normal and emergency modes
- Voltage range for power input 120-277VAC with optional 347VAC stepdown transformer
- Optional Phase Loss 1, 2 or 3 phase 120-277VAC with optional 347VAC single phase detections. This option includes two additional NO or NC contact closure inputs and a latching Test button.

ORDERING INFORMATION

PWEMDMX						EXAMPLE: PWEMDMX WM MVOLT PLD
Series		**Mounting**		**Voltage**		**Phase Sense**
PWEMDMX	Pathway DMeXit Emergency Controller	WM	Wall Mount	MVOLT	120-277V	CCI　Contact Closure Input only
		RM	19" Rack Mount Kit	347V	347V	PLD　Integral Phase Loss Detection
		FM	Flush Mount Cover			

Accessories	
PWACC EMRR	Black Remote Restore button for PWEMDMX (includes single gang faceplate)
PWCON SPARE CSC3 Q4	Connectors, Spare, 3-Pin Compression Screw Connector, Quantity (4)

SPECIFICATIONS

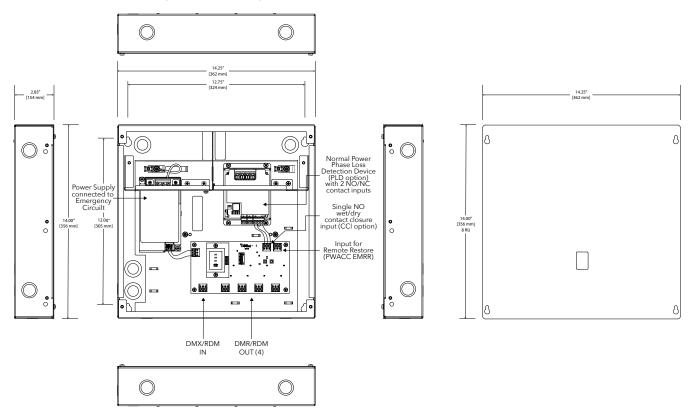|		
Electrical	**Input Ratings**	**PWEMDMX XX MVOLT** (120-277, 50/60Hz) **PWEMDMX XX 347V** (347VAC 60 Hz)
	Isolation & Fault Protection	3000V isolation between DMX Ports 250V self-healing fault protection on DMX ports DMX Port Max Output: 5VDC, 50mA
	Regulatory Compliance	UL924 CSA C22.2#141 FCC 47CFR PT 15 SPT B
Mechanical	**Dimensions**	**PWEMDMX RM** 19" W x 13.9" H x 2.8" D (254mm W x 330mm H x 114mm D) **PWEMDMX WM** 14.2" W x 13.9" H x 2.8" D (254mm W x 584mm H x 114mm D) **PWEMDMX FM** 16.2" W x 15.9" H x 2.8" D (254mm W x 584mm H x 114mm D)
	Weight	**PWEMDMX RM** 14.5 lbs (6.6 kg) **PWEMDMX WM** 13 lbs (5.9 kg) **PWEMDMX FM** 13.5 lbs (6.1 kg) **PWEMDMX XX 347** add 2 lbs (1 kg)
Environmental	**Operating Temperature**	32°F to 122°F (0°C to 50°C)
	Relative Humidity	5-95%, non-condensing
General	**Compliance**	ANSI E1.11 DMX512-A R2013 ANSI E1.20 RDM - Remote Device Management (not an RDM responder)
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.

WIRING

All data connections are Insulation Displacement Contact (IDC) connectors.

Contact Closure and Remote Restore use compression screw connector.

Remote Restore use any two-conductor cable. Twisted or untwisted is acceptable.

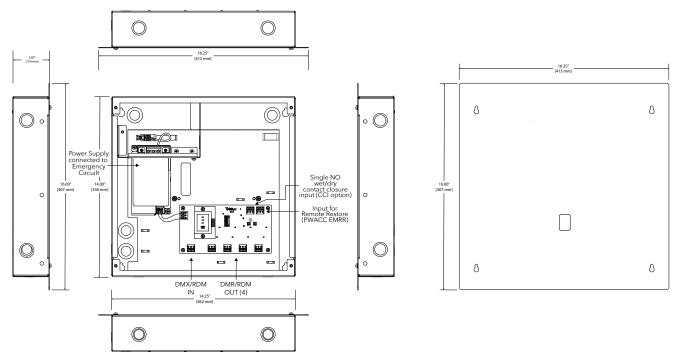| DMX512 / RDM PINOUT		
Purpose	**XLR / Terminal Block Pin #**	**RJ45 PIN # and Wire Color**
Shield / Common	1	7 - White / Brown
Data - (complement)	2	2 - Orange
Data + (true)	3	1 - White / Orange
Not Used	N/A	6 - Green
Not Used	N/A	3 - White / Green
Not Used - Do Not Connect	N/A	4 - Blue
Not Used -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

DIMENSIONS

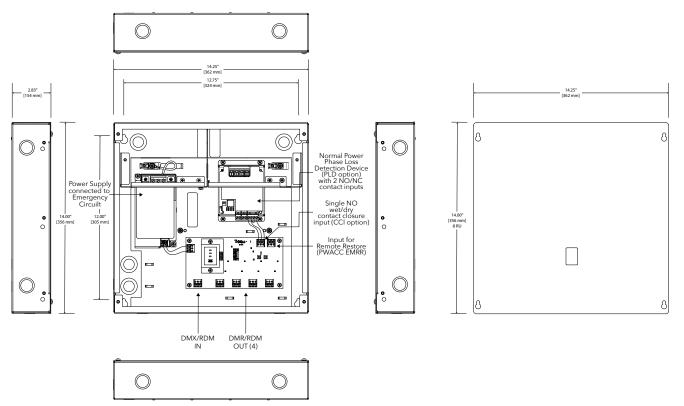WALL MOUNT WITH PHASE LOSS DETECTION (PWEMDMX WM MVOLT PLD)
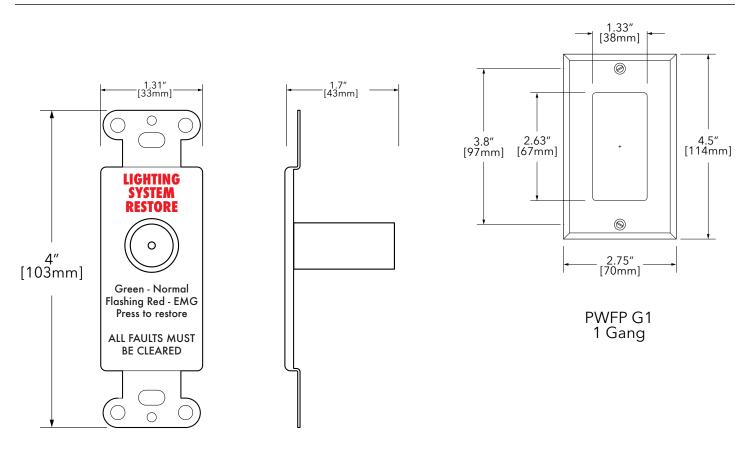
DIMENSIONS

FLUSH MOUNT (PWEMDMX FM MVOLT CCI)

Power Supply connected to Emergency Circuilt

Single NO wet/dry contact closure input (CCI option)

Input for Remote Restore (PWACC EMRR)

DMX/RDM IN

DMR/RDM OUT (4)

2.83" [154 mm]

16.00" [407 mm]

14.00" [356 mm]

16.25" [413 mm]

14.25" [362 mm]

16.25" [413 mm]

16.00" [407 mm]

WALL MOUNT WITH PHASE LOSS DETECTION (PWEMDMX WM MVOLT PLD)

Normal Power Phase Loss Detection Device (PLD option) with 2 NO/NC contact inputs

Single NO wet/dry contact closure input (CCI option)

Input for Remote Restore (PWACC EMRR)

Power Supply connected to Emergency Circuilt

DMX/RDM IN

DMR/RDM OUT (4)

2.83" [154 mm]

14.00" [356 mm]

12.00" [305 mm]

14.25" [362 mm]

12.75" [324 mm]

14.25" [362 mm]

14.00" [356 mm] 8 RU

PWACC EMRR

1.31"
[33mm]

1.7"
[43mm]

**LIGHTING
SYSTEM
RESTORE**

Green - Normal
Flashing Red - EMG
Press to restore

ALL FAULTS MUST
BE CLEARED

4"
[103mm]

1.33"
[38mm]

3.8"
[97mm]

2.63"
[67mm]

4.5"
[114mm]

2.75"
[70mm]

PWFP G1
1 Gang

APPLICATION RISER

Ethernet Console Jack
and Remote Restore Button

Emergency Power   Normal Power

Theatrical Console

LED Lobby Lights

Stage Lighting

LED House Lights