CATALOG NUMBER

DATE

PROJECT

PATHPORT IP65
DMX/RDM ETHERNET GATEWAY

Models shown: **PWPP IP65 P8**

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.

SixEye CONNECTED

Pathport DIN-mount 4 and 8-Port Models support **SixEye** cloud-based remote management

BAA BABA

OVERVIEW

The Pathport® series of DMX/RDM Ethernet Gateways are the heart of DMX distribution.

Connect DMX512 control devices and send data over an Ethernet network to DMX512-capable end-devices such as intelligent lighting fixtures, LEDs, dimmers, and more. Each port can be configured as an Input or Output as needed.

The IP65 DMX Gateway, a 2, 4, or 8-port PoE Pathport, in a water resistant IP65 rated enclosure designed for permanent installation. Suitable for venues with fountains, water displays, and any outdoor applications like marquees, Facades, and parking garages. They are configured using the free downloadable software, Pathscape.

Advanced features include extensive protocol support, slot-by-slot patching using multiple sources, cross-fading on priority change, and signal loss behavior. Different Ethernet protocols may be merged together and prioritized. Status LEDs provide instant confirmation of port activity.

FEATURES

- Convert DMX512 to Ethernet protocol for distribution
- Convert Ethernet protocol to DMX512 for end-devices
- Two, Four, or Eight DMX512 ports, individually configurable
- LED Indicators for Port Direction, Power, Ethernet link activity, and Identify
- DMX output configured as whole universes or custom slot-by-slot patch
- Map up to eight control sources to each output slot, with merge and/or priority options for each source
- Acts as E1.20 RDM controller, when used with free Pathscape configuration software or ANSI E1.33 RDMnet compliant controllers
- User-configurable DMX output speed and signal loss behavior
- Supports the following Ethernet sending and receiving protocols:
  - Pathway ssACN (Secure sACN)
  - E1.31 streaming ACN (sACN)
  - Art-Net
  - Pathport Protocol
  - ShowNet
- Operates on Power-over-Ethernet (PoE) or auxiliary 24-48VDC input
- Contact closure input configurable per port to Pause RDM or DMX Force Hold (P4 or P8)
- microSD card slot allows backup or restore of device configuration (P4 or P8)
- Also available in Wall-mount (PWPP WM), DIN-Mount (PWPP DIN), and Portable (PWPP DT) form factors
- IP65 rated corrosion resistant cast aluminum enclosure.
- Suitable for exterior or interior applications where water may be present

ORDERING INFORMATION

PWPP		EXAMPLE: PWPP IP65 P4
Series	**Form Factor**	**Port Quantity**
PWPP Pathway Pathport DMX/RDM Ethernet Gateway	**IP65** IP65	**P2** 2 DMX Ports **P4** 4 DMX Ports **P8** 8 DMX Ports

Accessories	
PWCON SPARE IDC5 Q4	Connector, Spare, 5-Pin Insulation Displacement Contact Connector, (Qty 4)
PWCON SPARE CSC5 Q4	Connector, Spare, 5-Pin Compression Screw Connector, (Qty 4)
PWCON SPARE IDC3 Q4	Connector, Spare, 3-Pin Insulation Displacement Contact Connector, (QTY 4)

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SPECIFICATIONS

Electrical	**Input Ratings**	**PWPP IP65 P2** PoE Class 1 device 18-48VDC auxiliary power input 4W maximum power consumption **PWPP IP65 P4** PoE Class 2 device 24-48VDC auxiliary power input 7W maximum power consumption Dry Contact Closure **PWPP IP65 P8** PoE Class 2 device 24-48VDC auxiliary power input 7W maximum power consumption Dry Contact Closure
	Isolation & Fault Protection	**PWPP IP65 P2** 60V fault protection on DMX ports **PWPP IP65 P4** 1500V isolation between DMX ports 60V fault protection on DMX ports **PWPP IP65 P8** 1500V isolation between DMX ports 60V fault protection on DMX ports
Mechanical	**Dimensions**	**PWPP IP65 XX** 10.24"W x 6.3" H x 3.56" D (260mm x 160mm x 90.5mm)
	Weight	5.5lbs (2.49kg)
Environmental	**Operating Temperature**	14°F to 113°F (-10°C to 45°C)
	Ingress Protection Rating	IP65
General	**Compliance**	ANSI E1.11 DMX512-A R2013 ANSI E1.20 RDM - Remote Device Management ANSI E1.31 sACN - Streaming ACN Art-Net Strand ShowNet Pathway ssACN ANSI E1.33 RDMnet - RDM over IP IEEE 802.3af Power-over-Ethernet Class 2 Low Voltage California Title 1.81.26, Security of Connected Devices FAR-889 Section 889(a)(1)(A) and Section(a)(1)(B)
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.

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WIRING

DMX512 / RDM PINOUT		
Purpose	**XLR / Terminal Block Pin #**	**RJ45 PIN # and Wire Color**
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

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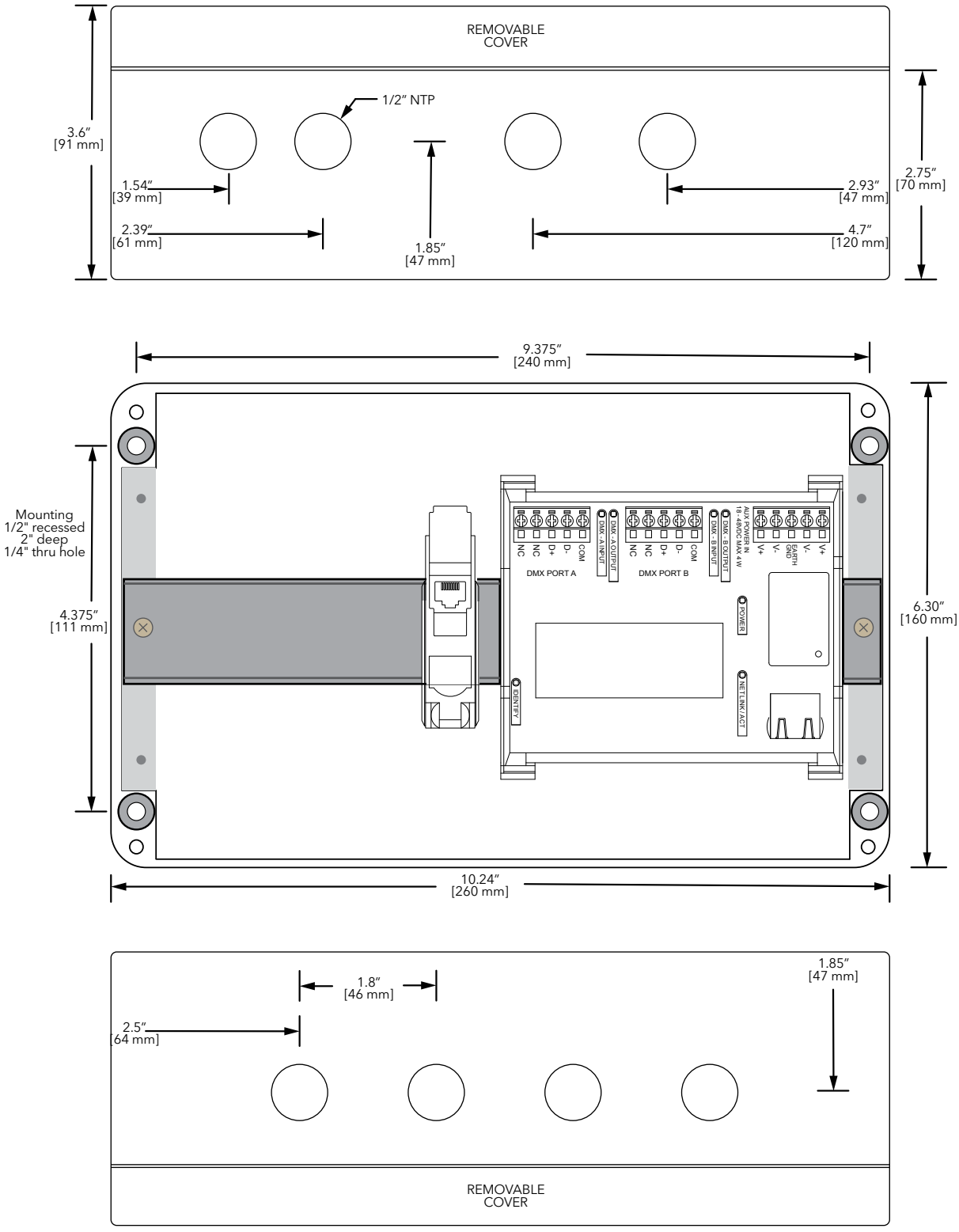
DIMENSIONS

PWPP IP65 P2



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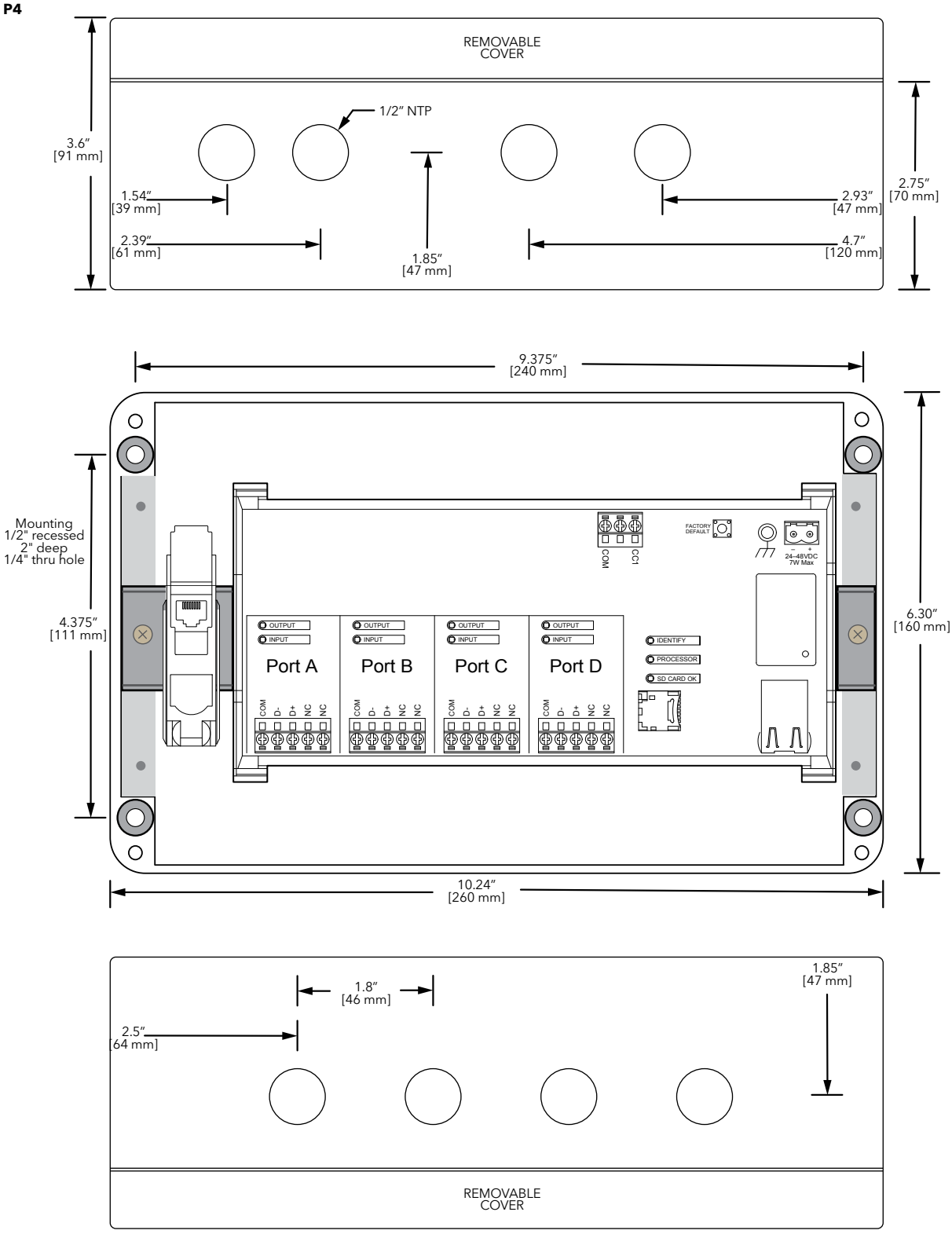
DIMENSIONS

PWPP IP65 P4



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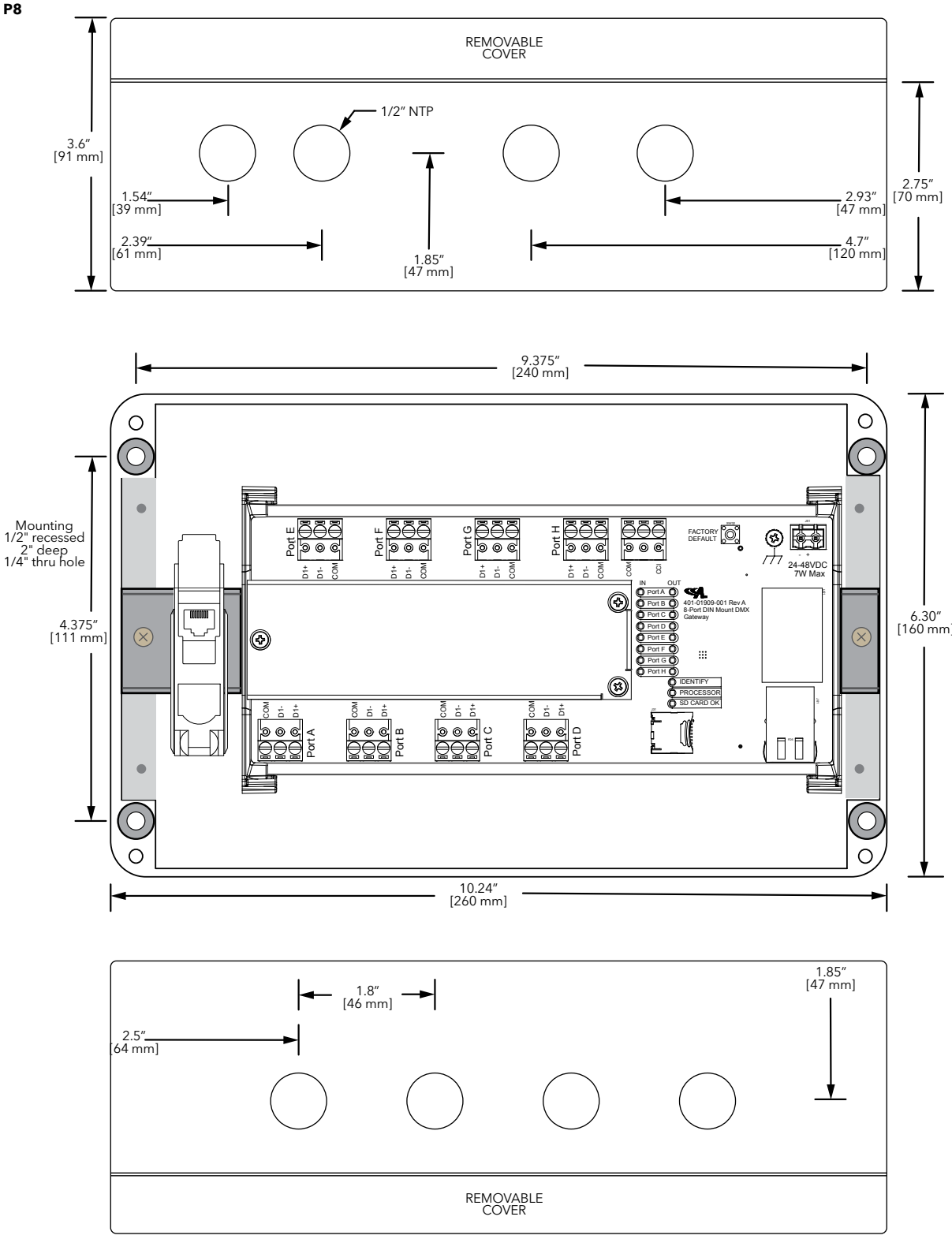
DIMENSIONS

PWPP IP65 P8



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