

Collider PoE-15af

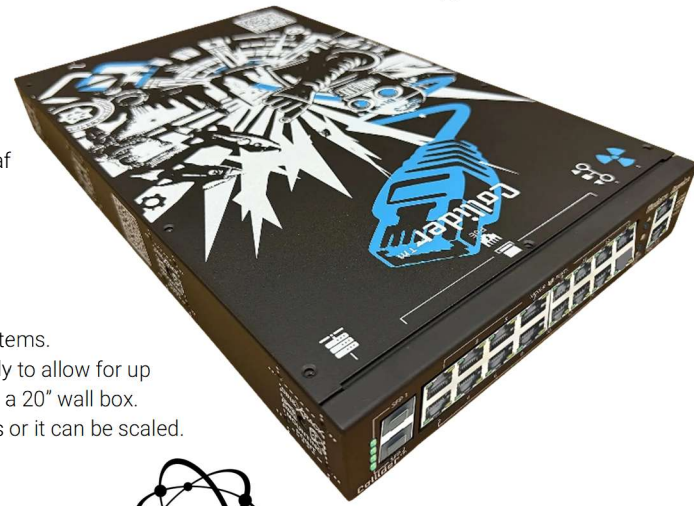
#COL-PoE-15af 2xGE SFP +15xGE Copper



Product Overview:

Collider™ is a Plenum-Rated Rack-Mount, din mount, or wall mount PoE 802.3 af midspan device used to add up to fifteen PoE motors, & or a Bond Bridge Pro 2 SFP ports for copper or fiber network expansion & 2 Combi-ports for Energy Harvesting up to two ESM PDU's & 2 powered 485-bus.

The switch offers automation with Bond Bridge Pro and other compatible hubs and 3rd party control systems and a translation layer for interface with other systems. This power distribution unit (PDU) can be joined together horizontally or vertically to allow for up to 30 PoE motors to be installed in 1RU space or can be stacked together inside a 20" wall box. Can be used as a stand-alone solution for small PoE window treatment systems or it can be scaled.




Technical Specifications:

- Power Inputs:
 - AC 90 ~ 264 VAC (47-63 Hz) 1.2/2.4A (C18)
- Data In/Outputs: 1G (2 SFP, 15 RJ45) 802.3af
- 485 In/Outputs: 2 (RJ45) ESM 24VDC & Control
- Dimensions: (1.75 in. H) x (8.51 in. W) x (14.5 in. D)
(4.3cm H) x (21.58cm W) x (24.81cm D)
- Maximum Wiring Distance
 - Motor ports: Up to 100m per motor port.
STP with minimum 23AWG
 - 485 ports: Up to 100m.
- Shipping Weight: 5.8 lbs.
- Material: Powder coated steel enclosure
- Temp Range -25~+75° C



Features summary:

- NO NETWORKING KNOWLEDGE REQUIRED
- NO FANS
- Direct Support for **Bond Bridge Pro**
- 110W PoE Budget (NO LLDP Support)
- Motor Test Buttons for up down and stop
- Energy Harvesting for up to 2 PDUS (Reaktor, Neutron)
- Qualified Motor Support:
 - BTX® – All PoE Motors
 - Power Shades® – All PoE Motors
 - SmartWings® – All PoE Motors

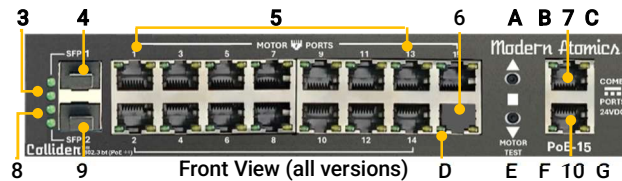
Somfy® PoE Motors not compatible due to NOLLDLP and bt



Connections & Indicators:



Rear View (AC Versions)



Front View (all versions)

ELEMENT	REAR PANEL DESCRIPTIONS
1	ENCLOSURE
2	AC INPUT C18
3	SFP STATUS
4	GE SFP 1
5	MOTOR Ports
6	BOND Port
7	COMBI Port 1
8	POWER LEDS
9	GE SFP 2
10	COMBI Port 2

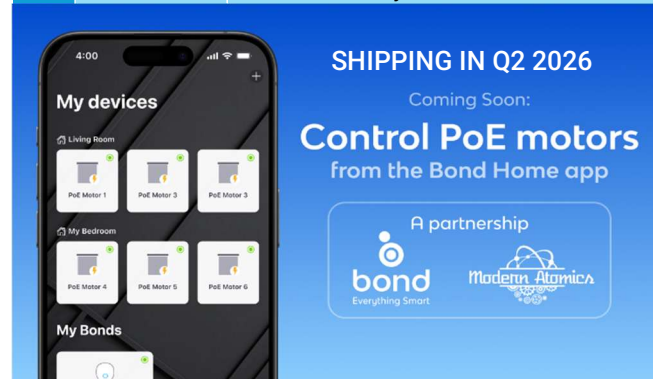
ELEMENT	FRONT PANEL DESCRIPTIONS
A	MOTOR UP
B	ESM 1 LED
C	485 DATA
D	EDGE AI
E	MOTOR DN
F	ESM 2 LED
G	485 DATA

ESD: Contact:4KV,air:8KV

FCC Part15 Subpart B Class A ,EN61000-6-4



CEDIA
MEMBER



COLLIDER™ PoE-15af PDU

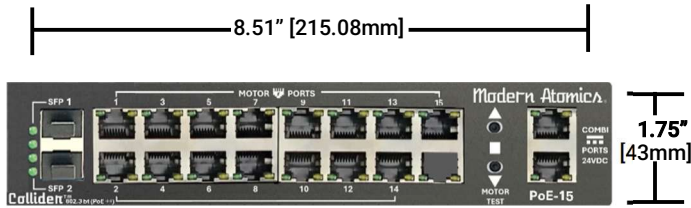
PoE / RS-485

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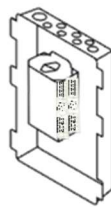
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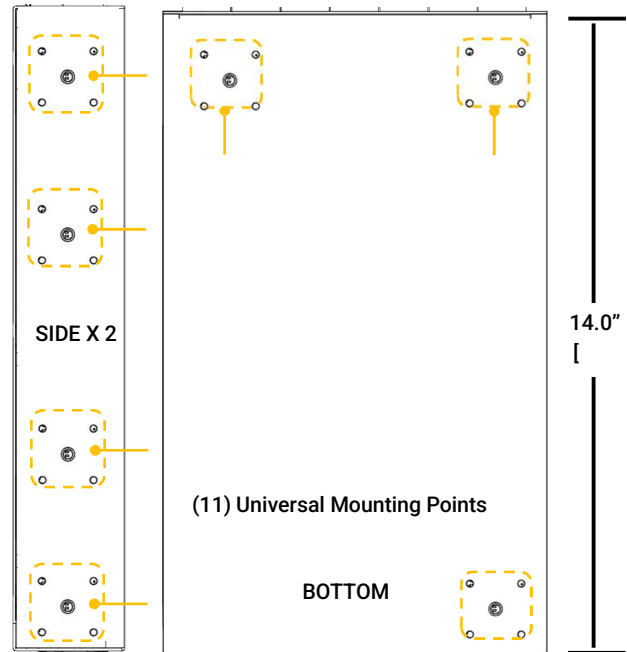
Mounting Options:



DIN RAIL



IN-WALL ENCLOSURE



WHEN RACK MOUNTING, MUST USE BOTH FRONT AND REAR RAILS

Included in Box:

- (1) Collider PDU
- (1) 2m IEC AC Cable (C17) (AC VERSIONS only)
- (4) Universal Rack Ears

Cable pinouts:



- (16) M3.5 Universal mounting screws

SAFETY STANDARD APPROVAL

(UL ONLY ON AC VERSIONS)



UL/cUL UL 62368-1

EN (BS EN) 55032 Class B

TUV EN 62368-1

EN (BS EN) 55035 Class B

CB IEC 62368-1

FCC Part 15 Class B

CCC GB 4943.1

CCC GB/T 9254.1

IEC/EN 61558-1 (Class II)

CCC GB17625.1

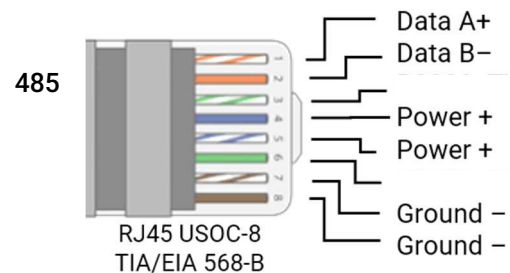
IEC/EN 61558-2-16 (Class II)

EN55014-1 (class II)

EN55014-2 (Class II)

ICES-003

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