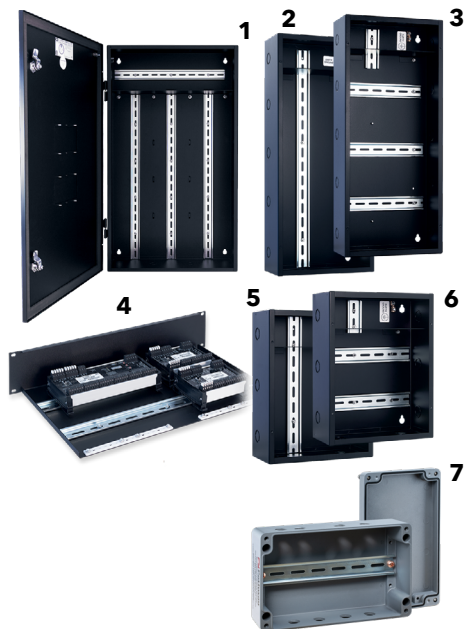# DIN ENCLOSURES
& RACK-MOUNT TRAY

Models shown:
1. PWENC LRG VER
2. PWENC MED VER
3. PWENC MED HOR
4. PWENC SHELF HOR
5. PWENC SML VER
6. PWENC SML HOR
7. PWENC IP65SML HOR

OVERVIEW

The Pathway DIN Enclosures are enclosures designed to house DIN-mountable devices and power supplies for permanent installs.

The NEMA 1 variant is available in three sizes Small, Medium and Large, and with Horizontal or Vertical DIN rail layouts, and our Pathway System Assembly software makes it is easy to configure an enclosure to fit your particular DIN equipment setup.

The Pathway DIN Rack Shelf Unit provides a method to create a custom rack-mountable DIN assembly for integration into 19" equipment racks without needing its own enclosure.

Constructed from rugged powdercoated steel, the Pathway DIN Enclosures and Rack Shelf will withstand the abuse of backstages and electrical closets.

The IP65 enclosure is suitable to mount 9.5" of DIN products. Its corrosion resistant diecast aluminum housing with NPT theaded holes is suitable for placement in wet locations, indoors or out. It is supplied with spare rubbergasket plugs for the holes not used.

FEATURES

- Contractor friendly, sturdy steel construction
- Conduit knockouts on all sides
- Logical arrangement makes wiring neat and easy
- Barriered high-voltage section for power supplies [not including PWENC SHELF] (power supplies ordered separately)
- Internal DIN rail will accept Pathway DIN devices and third-party 35mm DIN-rail modules
- No cooling fans required
- Removable door [PWENC SML and PWENC MED models]
- Removable hinged door [PWENC LRG model]
- Two 3-Gang cutouts on front door with blank cover plates [PWENC LRG model]
- Black powdercoat finish on NEMA1 enclosures

- Pre-installation service of Pathway DIN devices and power supply is available (PWSA); when DIN devices are factory-installed, assembly is UL-listed
- Rack Shelf (PWENC SHELF) fits standard 19" equipment racks, 2 RU height accommodates all Pathway DIN devices
- Rack Shelf includes integrated cable management strips along rear edge
- IP65 NEMA 4 rated enclosure for PWENC IP65SML HOR
- PWENC IP65SML HOR - Rugged, diecast aluminum
- Two piece "tongue & groove" construction with a one-piece silicone rubbergasket provides protection against ingress of dust and water
- Four captured stainless steel machine screws for securing the cover
- Easy to wall mount using "through box - blind hole" construction, outside of gasket protection

The System Assembly Tool is free software that helps you design lighting control systems without having CAD skills and without fear of getting the product nomenclature wrong. Choose from lists that only show you devices that fit the enclosure, wall station or inserts you choose. The software creates a drawing and lists all the products and quantities in the Bill of Materials (BOM). There is even a button to copy the full catalog number to your clipboard for use in other documents as you design your system.

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

PWENC		EXAMPLE: PWENC MED VER
Series	**Model**	**DIN Rail Layout**
PWENC — Pathway DIN Enclosures	SHELF[1] — 2 RU Shelf Unit	HOR — Horizontal Rails
	SML — Small DIN Enclosure, 10" x 13" x 4.5"	VER — Vertical Rails
	MED — Medium DIN Enclosure, 10" x 23" x 4.5"	
	LRG[2] — Large DIN Enclosure, 18.5" x 31.5" x 6.25"	
	IP65SML[3] — IP65 Rated, 9.375" x 6.3" x 3.52"	

Notes
1. SHELF model available only in HOR.
2. LRG model available only in VER.
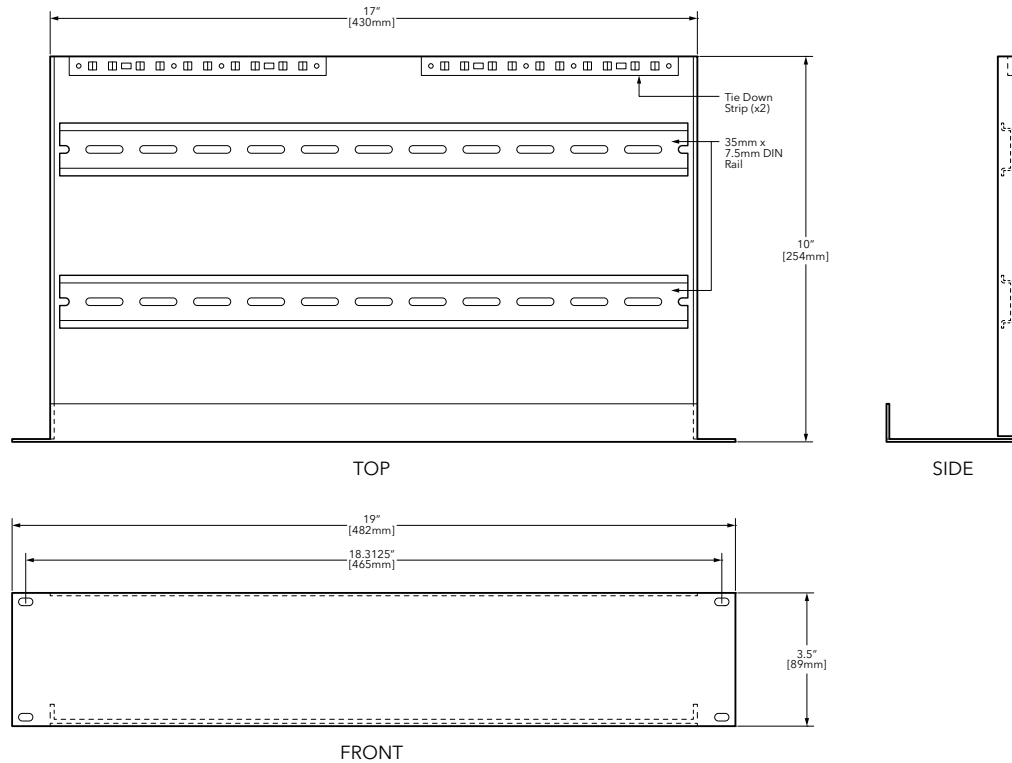3. IP65SML model only available in HOR.

SPECIFICATIONS

Electrical

Regulatory Compliance

PWENC SHELF HOR
CE

PWENC [SML/MED]
cUL & UL Listed

PWENC LRG VER
CE
CSA-listed

PWENC IP65SML
cUL & UL Listed

Other Barriered High-Voltage section for power supplies [not applicable to PWENC SHELF]

Mechanical

Dimensions

PWENC SHELF HOR
Face: EIA 19" (482mm) x 2RU (3.5")
Tray: 17" W x 10" D (432mm W x 254mm D)

PWENC SML [HOR/VER]
10" W x 13" H x 4.5" D (260mm W x 330mm H x 114mm D)

PWENC MED [HOR/VER]
10" W x 23" H x 4.5" D (260mm W x 584mm H x 114mm D)

PWENC LRG VER
18.5" W x 31.5" H x 6.25" D (470mm W x 800mm H x 159mm D)

PWENC IP65SML HOR
9.375" W x 6.3" H x 3.53" D (240mm w x 160mm H x 91mm D)

Weight

PWENC SHELF HOR	5.1 lbs (2.3 kg)
PWENC SML [HOR/VER]	8.5 lbs (3.9 kg)
PWENC MED [HOR/VER]	13.5 lbs (6.1 kg)
PWENC LRG VER	42.5 lbs (19.3 kg)
PWENC IP65SML HOR	2.7 lbs(1.2 kg)

Environmental

Standard Compliance

PWENC SHELF HOR
RoHS 2011/65/EU:2015/863
NEMA1 Enclosure
PWENC [SML/MED]
NEMA1 Enclosure

PWENC LRG VER
RoHS 2011/65/EU:2015/863
NEMA1 Enclosure
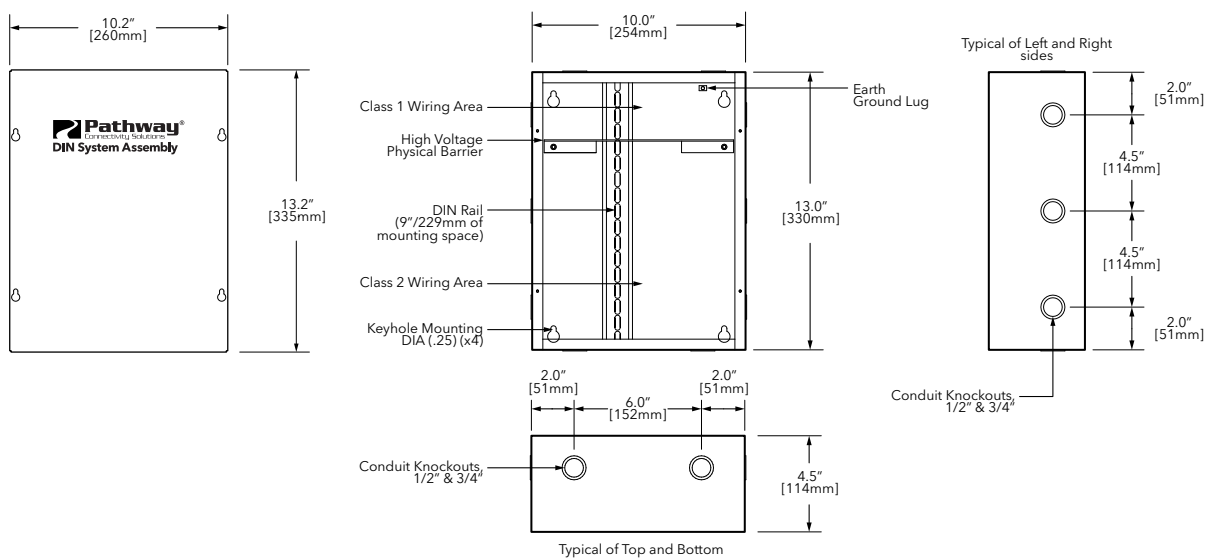**PWENC IP65SML HOR**
NEMA4X Enclosure

PART NUMBER CROSS-REFERENCE

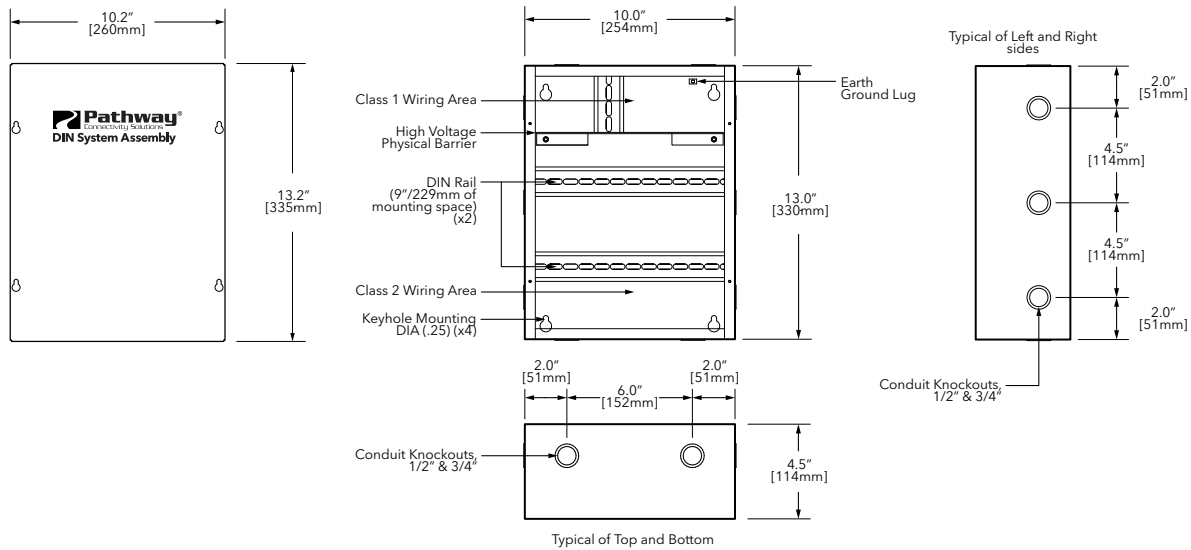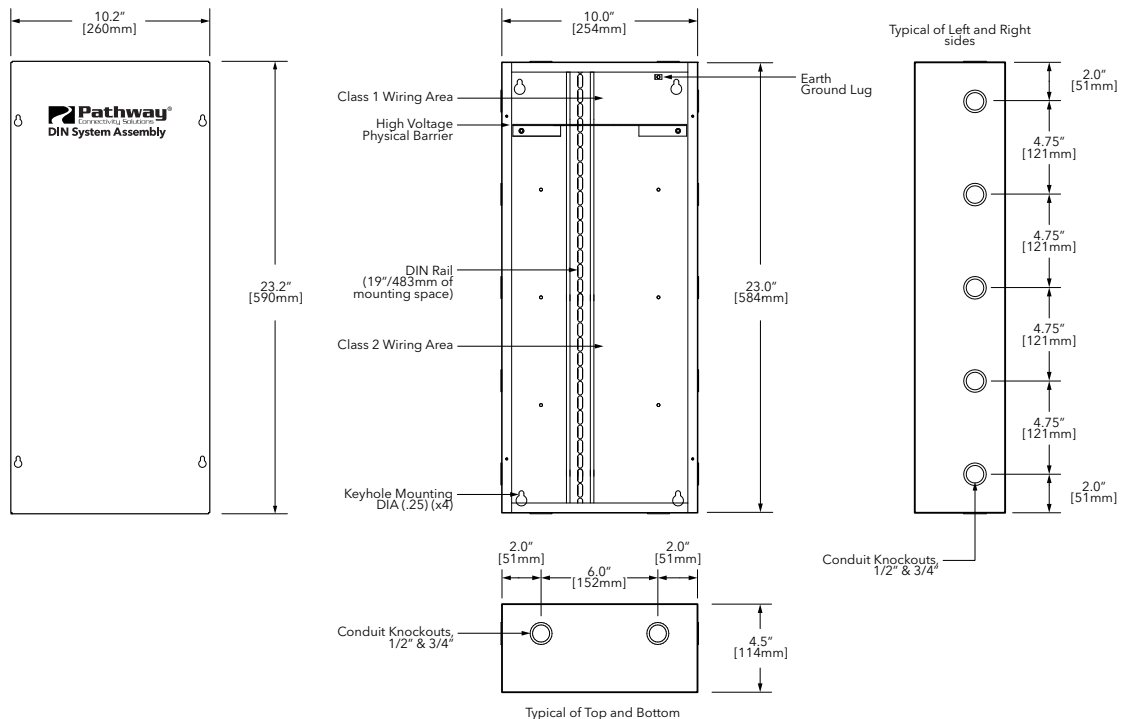| PREVIOUS	NEW	
Part Number	**Catalog Number**	**Description**
1103	PWENC LRG VER	DIN System Enclosure, Large 18.5" x 31.5" x 6.25", 3 x 24" Vertical Rails
1105	PWENC MED HOR	DIN System Enclosure, Medium 10" x 23" x 4.5", with 3 x 9" Horizontal Rails
1106	PWENC MED VER	DIN System Enclosure, Medium 10" x 23" x 4.5", with 1 x 19" Vertical Rail
1107	PWENC SHELF HOR	DIN System Enclosure, 2-RU Shelf unit with 2 x16.5", Horizontal Rails
1108	PWENC SML HOR	DIN System Enclosure, Small 10" x 13" x 4.5", with 2 x 9" Horizontal Rails
1109	PWENC SML VER	DIN System Enclosure, Small 10" x 13" x 4.5", with 1 x 9" Vertical Rail
	PWENC IP65SML HOR	DIN System Enclosure, IP65 Rated, 8 x NPT theaded holes, 1 x 9.5" Horizontal Rail

DIMENSIONS

PWENC SHELF HOR

TOP

SIDE

FRONT

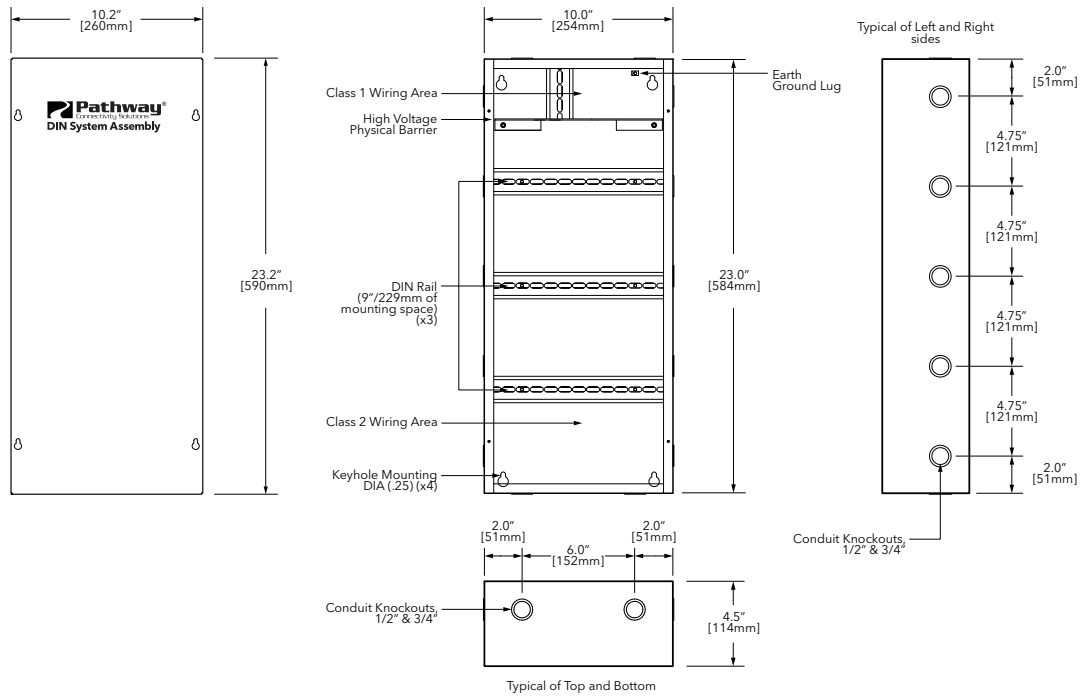**PWENC SML VER**

Typical of Top and Bottom

DIMENSIONS

PWENC SML HOR

10.2"
[260mm]

13.2"
[335mm]

Pathway
Connectivity Solutions
DIN System Assembly

10.0"
[254mm]

Class 1 Wiring Area

High Voltage
Physical Barrier

DIN Rail
(9"/229mm of
mounting space)
(x2)

Class 2 Wiring Area

Keyhole Mounting
DIA (.25) (x4)

Earth
Ground Lug

13.0"
[330mm]

Typical of Left and Right
sides

2.0"
[51mm]

4.5"
[114mm]

4.5"
[114mm]

2.0"
[51mm]

Conduit Knockouts,
1/2" & 3/4"

2.0"
[51mm]

6.0"
[152mm]

2.0"
[51mm]

Conduit Knockouts,
1/2" & 3/4"

4.5"
[114mm]

Typical of Top and Bottom

PWENC MED VER

10.2"
[260mm]

23.2"
[590mm]

Pathway
Connectivity Solutions
DIN System Assembly

10.0"
[254mm]

Class 1 Wiring Area

High Voltage
Physical Barrier

DIN Rail
(19"/483mm of
mounting space)

Class 2 Wiring Area

Keyhole Mounting
DIA (.25) (x4)

Earth
Ground Lug

23.0"
[584mm]

Typical of Left and Right
sides

2.0"
[51mm]

4.75"
[121mm]

4.75"
[121mm]

4.75"
[121mm]

4.75"
[121mm]

2.0"
[51mm]

Conduit Knockouts,
1/2" & 3/4"

2.0"
[51mm]

6.0"
[152mm]

2.0"
[51mm]

Conduit Knockouts,
1/2" & 3/4"
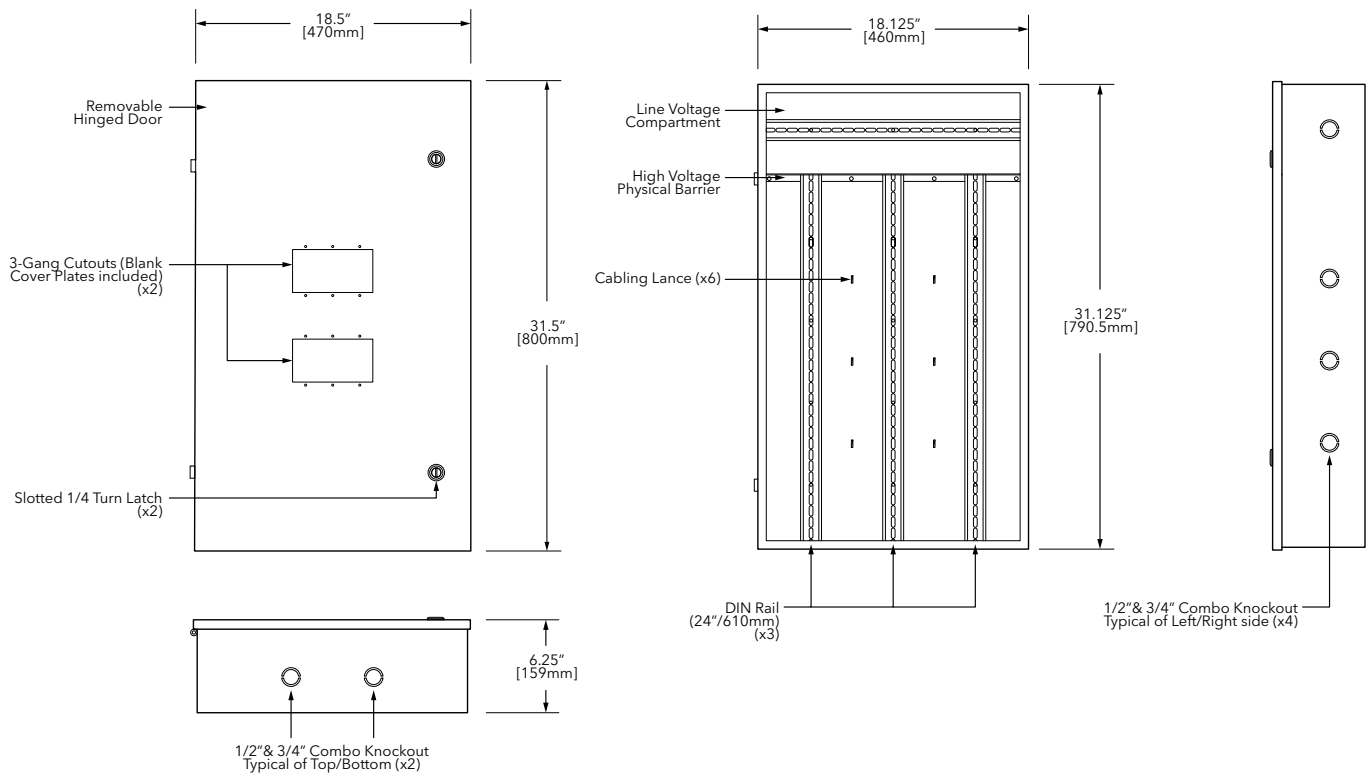
4.5"
[114mm]

Typical of Top and Bottom

DIMENSIONS

PWENC MED HOR

PWENC LRG VER

DIMENSIONS

PWENC IP65SML HOR

REMOVABLE COVER

1/2" NPT

3.6"
[91 mm]

2.75"
[70 mm]

1.54"
[39 mm]

2.39"
[61 mm]

1.85"
[47 mm]

2.93"
[47 mm]

4.7"
[120 mm]

9.375"
[240 mm]

Mounting
1/2" recessed
2" deep
1/4" thru hole

4.375"
[111 mm]

35mm DIN rail @ 9.5"

6.30"
[160 mm]

10.24"
[260 mm]

1.8"
[46 mm]

2.5"
[64 mm]

1.85"
[47 mm]

REMOVABLE COVER