VERIS INDUSTRIES ™

AE013

Enclosure for Up to Four
E5x Series Energy Meters
With Swing Panel Kit

Pictured with the E5x meter installed. E5x meter and AE013 enclosure are purchased separately.

c(UL)us LISTED CE **RoHS** Compliant

⚡⚠ **DANGER**

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH
- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Read, understand and follow the instructions before installing this product.
- Turn off all power supplying equipment before working on or inside the equipment.
- Use a properly rated voltage sensing device to confirm power is off.
  DO NOT DEPEND ON THIS PRODUCT FOR VOLTAGE INDICATION

Failure to follow these instructions will result in death or serious injury.

A qualified person is one who has skills and knowledge related to the construction and operation of this electrical equipment and the installation, and has received safety training to recognize and avoid the hazards involved.   NEC2011 Article 100

No responsibility is assumed by Veris Industries for any consequences arising out of the use of this material.

NOTICE

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
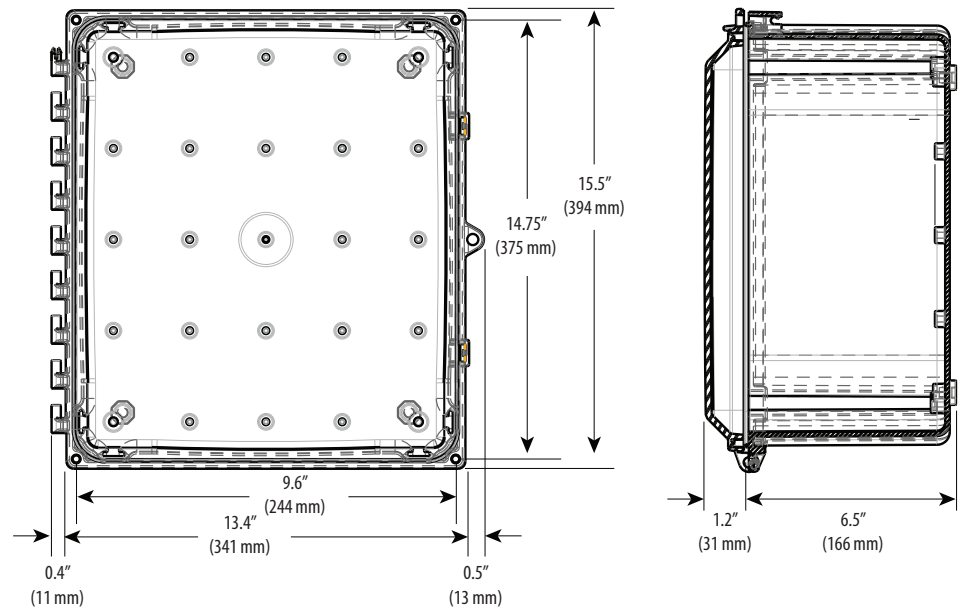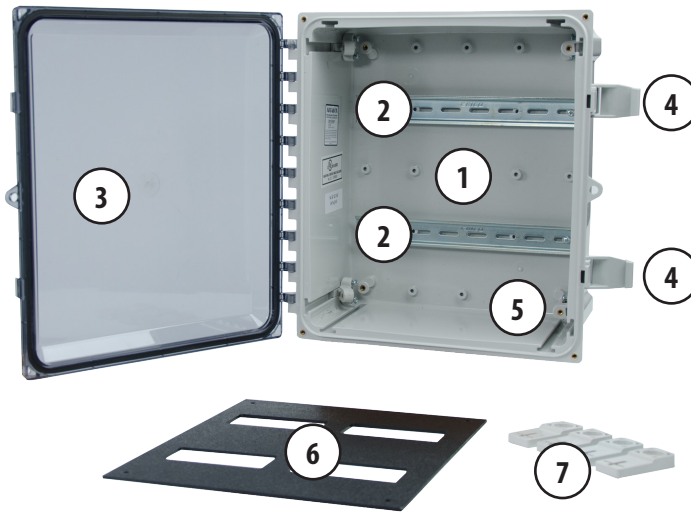- The installer is responsible for conformance to all applicable codes.

Product Overview

The AE013 enclosure offers a mounting option for E5x Series energy meters that helps protect from tampering and the elements. The enclosure holds up to four meters and is equipped with DIN rail mounting hardware for easy installation and a NEMA 4X rating for durability. The swing panel kit and multiple locking options provide additional security from unwanted tampering.

Dimensions

15.5" (394 mm)
14.75" (375 mm)
9.6" (244 mm)
13.4" (341 mm)
0.4" (11 mm)
0.5" (13 mm)
1.2" (31 mm)
6.5" (166 mm)
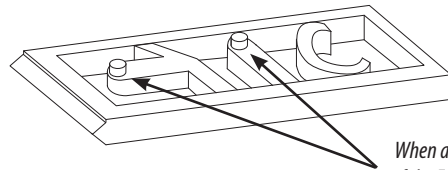
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Product Components

1. Enclosure
2. DIN rail
3. Hinged lid
4. Clasp
5. Brackets for swing panel cover
6. Swing panel cover
7. Mounting feet

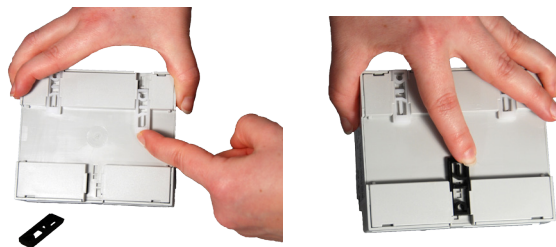*(hardware not pictured)*

Installation

1. Install DIN rail clips to the back of the E5x

The E5x is shipped with a set of three DIN rail clips included. Insert these clips into the slots on the back of the housing from the middle, moving outward. Stopping pegs must face the underside of the housing. Push clips into place until there is an audible click.

*DIN Rail clip
(included with E5x meter)*

When attaching the clips to the underside of the E5x meter, these stopping pegs must face inward towards the meter housing. Set pegs into the available slots on the meter, with the beveled side of the clip facing toward the center of the meter.

When all clips are in place, the white clips must be flush with the top edge of the housing, and the black clip must protrude slightly past the bottom edge.
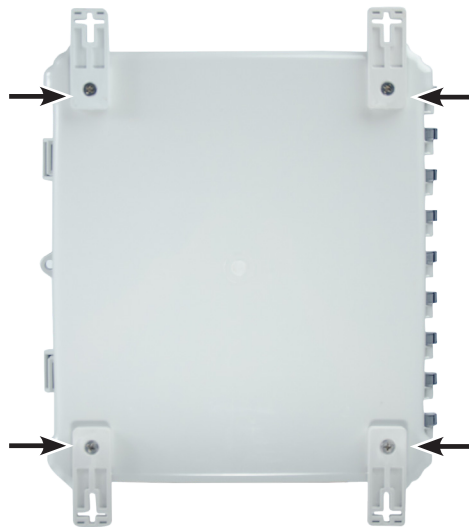
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Installation (cont.)

2. Mount the AE013 enclosure

Cut holes in the enclosure for wire conduit connections prior to the installation of the meter in the enclosure. After running the wiring, seal all holes properly to maintain the enclosure rating. If using metallic conduit, bonding between the conduit connections is not automatic and must be provided as a part of the installation.

Take care to protect the equipment from drill chips, filings, and other contaminants when making the wire entry holes and mounting the enclosure to prevent component damage or a future malfunction.
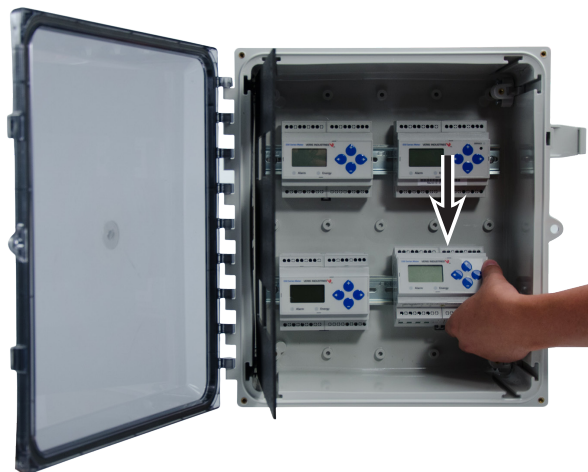
Use the included mounting hardware to attach the mounting feet to the enclosure. Then mount the enclosure to the wall or panel using either a 4-point or 2-point configuration (hardware for mounting to the wall/panel is provided by the installer). The 4-point configuration is shown here. For a 2-point configuration, mount the feet as shown, but rotate the bottom feet 180° so they are flush against the back of the enclosure.
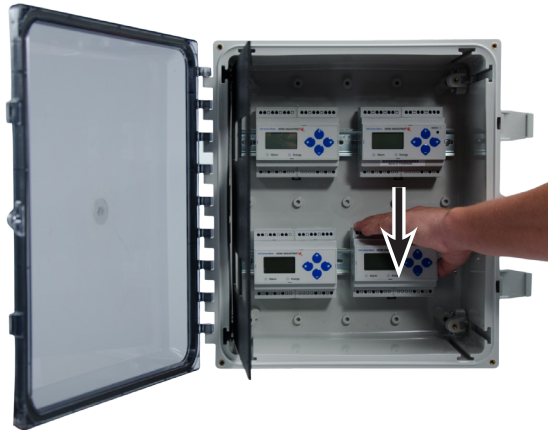
3. Install E5x Onto DIN Rail Inside the AE013

Run E5x wiring through the holes drilled previously. Wire the E5x according to the instructions in the E5x installation guide.

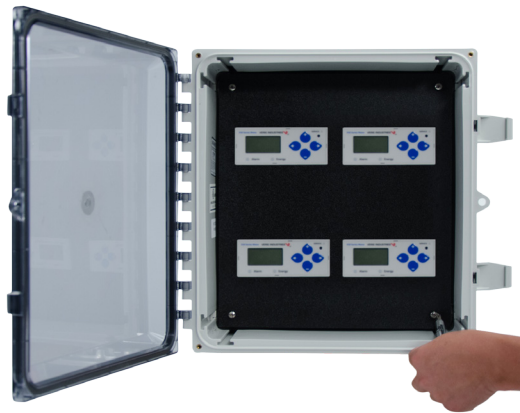Push the top of the E5x onto the DIN rail.

Installation (cont.)

Push the bottom of the meter onto the DIN rail until there is an audible click.

Lower the four brackets so that the swing panel cover can be attached using the enclosed hardware. Attach the swing panel cover.

Close the hinged lid and secure the clasps.

Installation (cont.)

Screws are provided to secure the hinged lid. Local codes may require this step to prevent opening by unauthorized persons if a locking mechanism is not used. For added security, the installer may add a locking mechanism.

Optional: Use included hardware to secure the hinged lid at all four corners.

Optional: Attach locking mechanism here (not included)

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