

AE010/AE011



Pictured with meter and locking assembly installed; E5x meter, AE010 enclosure, and AE011 locking assembly must all be ordered separately.



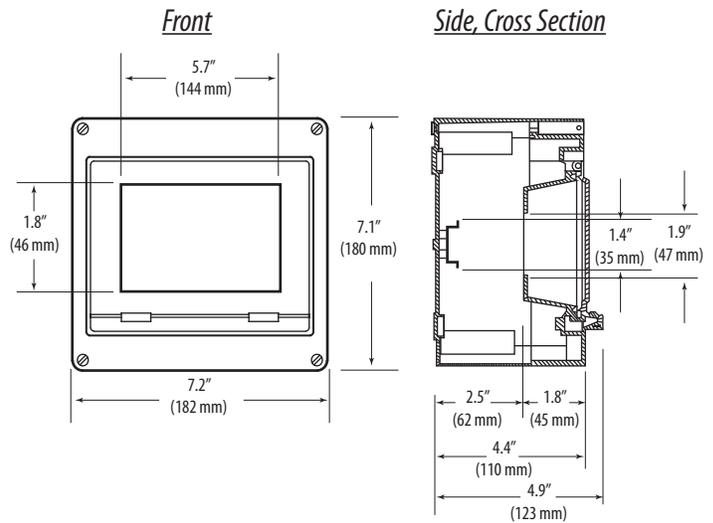
AE010/AE011

Enclosure for E5x Series Energy Meters with Optional Locking Mechanism

OPERATION

The AE010 enclosure offers a mounting option for E5x Series energy meters that helps protect from tampering and the elements. The enclosure is equipped with DIN rail mounting hardware for easy installation and a NEMA 4X rating for durability. The optional AE011 keylock provides additional security from unwanted tampering (AE010 and AE011 are sold as separate units).

DIMENSIONS (AE010)



⚠ 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.

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.

INSTALLATION

The AE010 components:

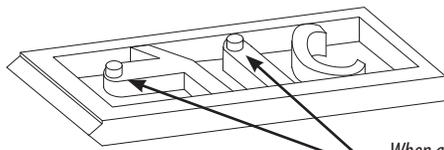
1. Enclosure base
2. Enclosure cover with hinged, clear shield
3. Optional keys, locking mechanism, and pin (sold separately as the Veris AE011)
4. Mounting screw caps
5. Spacer block
6. Cover retention screws



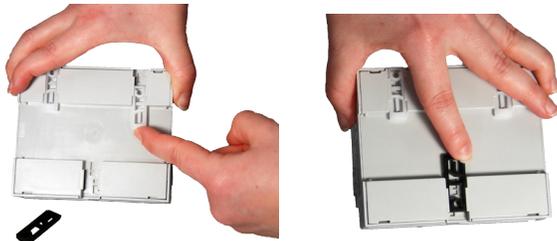
1. Install DIN Rail Clips to the back of the E5x

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.



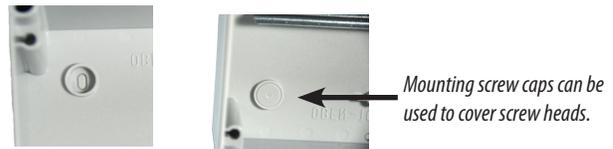
2. Mount the AE010 enclosure to a wall or panel

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.

Cut holes cut in the enclosure for wire conduit connections prior to the installation of the meter in the enclosure. Seal all holes properly to maintain the enclosure rating.

The AE010 enclosure base can be installed using either a 2-point or a 4-point screw mounting.

Punchout the corner holes for 4-point mounting:



Drill out the center holes for 2-point mounting:



3. Install E5x Onto DIN Rail Inside the AE010

Push the top of the E5x onto the DIN rail.



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



If necessary, the E5x can be removed from the DIN rail using a flat screwdriver to pry out the bottom (black) clip while lifting out the bottom of the meter.



4. Assemble enclosure cover

Locate screw holes in each corner of the AE010 cover.



Insert cover retention screws.

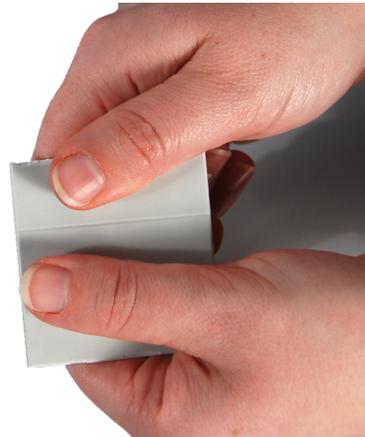


Affix cover onto enclosure by tightening all four screws.



5. Insert spacers

Plastic spacers are provided with the AE010. These fit into the enclosure on either side of the meter, to prevent finger access and help keep out dust. Snap the spacer block into pieces along the scored lines. The block contains six spacers, but only two are needed.



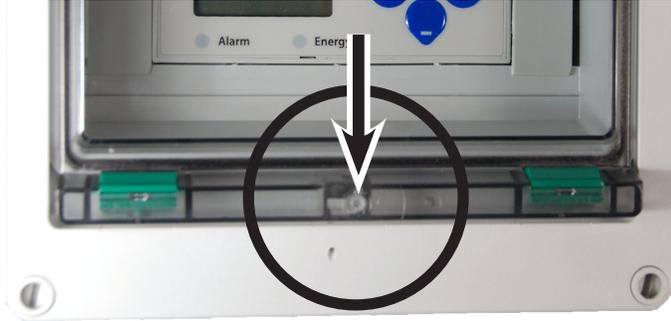
Insert one spacer on either side of the E5x meter. Press the spacer until there is an audible click.



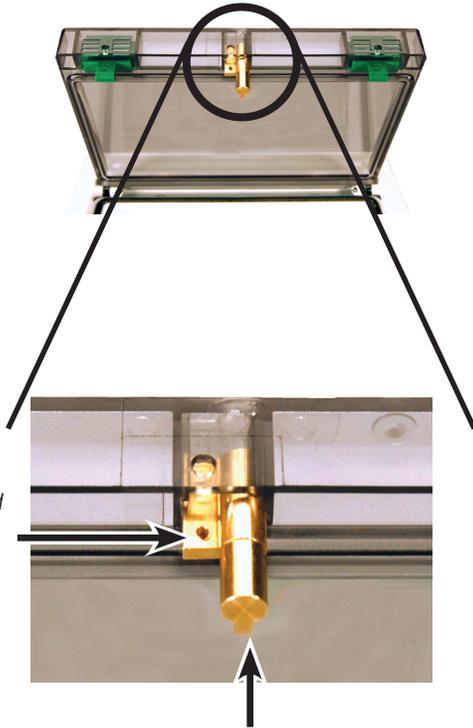
6. Installing the AE011 locking mechanism (optional)

Use a 6 mm (15/64") drill bit to drill out the hole for the lock.

Note: To protect the box against damage from the drill, remove the cover by unscrewing the retention screws.



Insert the locking mechanism into the hole from the inside of the shield.



Insert pin through shield and through locking mechanism to secure in hole.

Insert locking mechanism upward into hole.

7. Final Assembly

To close the clear shield, squeeze both green buttons while pushing the shield into place on the cover. Use the key to secure the lock (if the AE011 lock is installed).



The AE010 is now fully assembled.

