

IQ35M-ENC enclosure installation guide



IQ 35M meter installed; IQ 35M meter and IQ35M-ENC are ordered separately.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH.

- FOLLOW SAFE ELECTRICAL WORK PRACTICES. SEE NFPA 70E® IN THE U.S., 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—NEC® 2011 Article 100.

No responsibility is assumed by Eaton 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
- MOUNT THIS PRODUCT INSIDE A SUITABLE FIRE AND ELECTRICAL ENCLOSURE



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Product overview

The IQ35M-ENC enclosure offers a mounting option for IQ 35M 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 ensures durability. The swing panel kit and multiple locking options provide additional security from unwanted tampering.

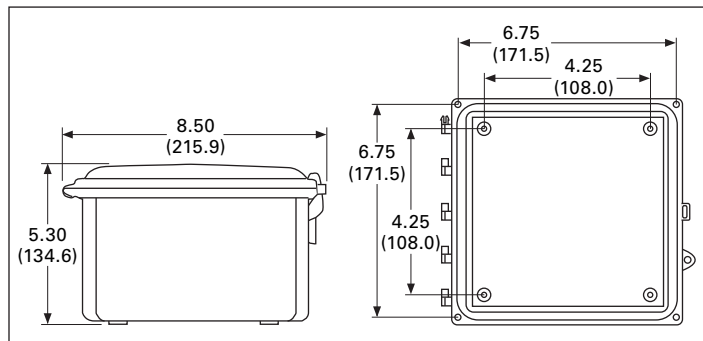
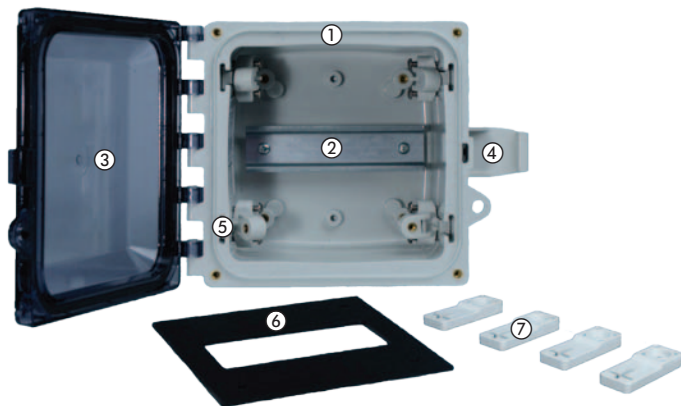


Figure 1. Dimensional Drawings in Inches (mm)

Product diagram



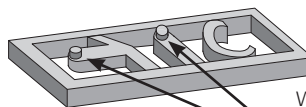
- ① Enclosure
- ② DIN rail
- ③ Hinged lid
- ④ Clasp
- ⑤ Brackets for swing panel cover
- ⑥ Swing panel cover
- ⑦ Mounting feet
(hardware not pictured)

Installation

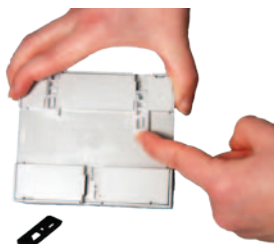
Step 1. Install DIN rail clips to the back of the IQ 35M Series meter

The IQ 35M Series meter 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 IQ 35M meter)



When attaching the clips to the underside of the IQ 35M meter, these stopping pegs must face in toward the meter housing surface. Set pegs into the available slots on 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.

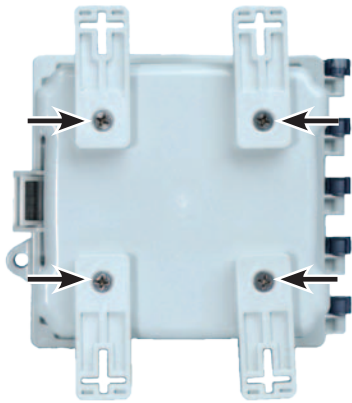


Step 2. Mount the IQ35M-ENC enclosure to a wall or a panel

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.

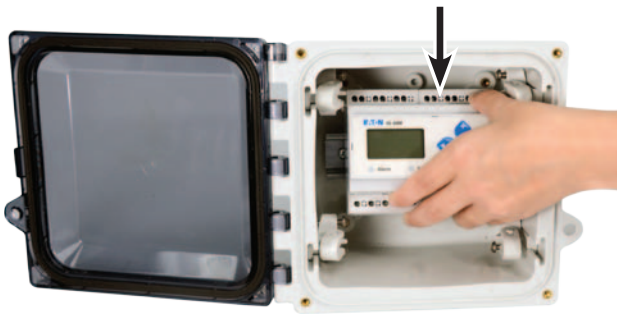
Use the included mounting hardware to attach the mounting feet to the enclosure. Then mount the enclosure to the wall or the panel using either a 4-point or 2-point configuration (hardware for mounting to the wall/panel is provided by the installer). The 4-point configuration is shown below. For a 2-point configuration, mount the feet as shown, but rotate the bottom feet 180 degrees so that they are flush against the back of the enclosure.



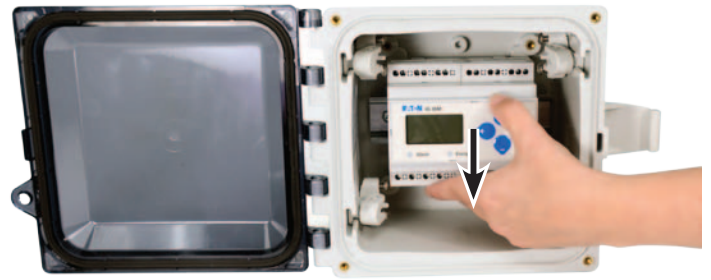
Step 3. Install IQ 35M Series meter onto DIN rail inside the IQ35M-ENC

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

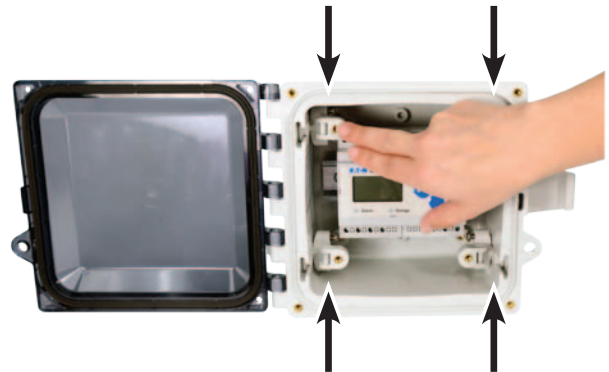
Push the top of the meter onto the DIN rail.



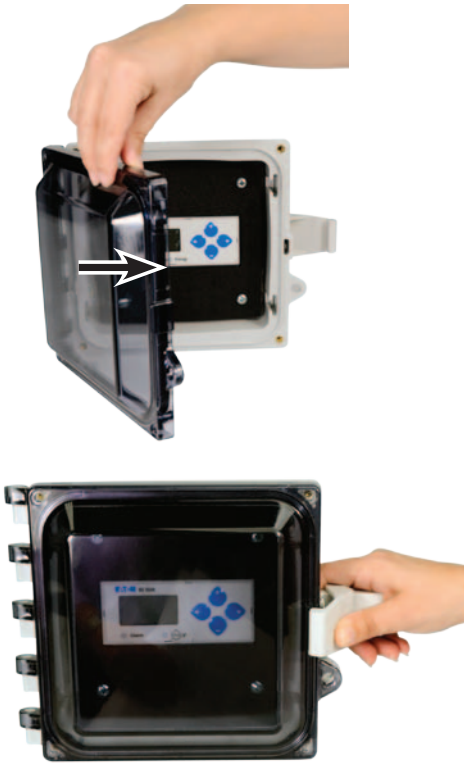
Push the bottom of the meter onto the DIN rail until there is an audible click.



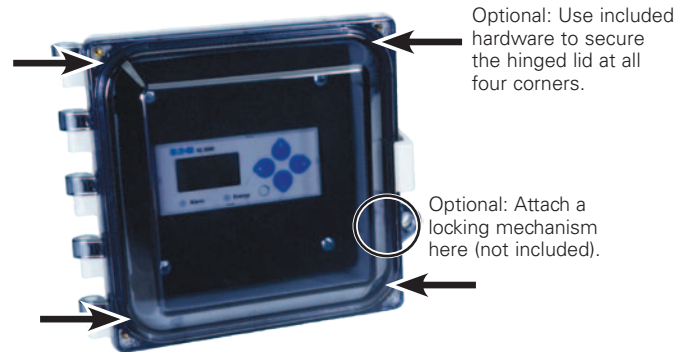
Lower the four brackets so that the swing panel cover can be attached using the enclosed hardware.



Close the hinged lid and secure the clasp to close.



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 also add a locking mechanism.



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