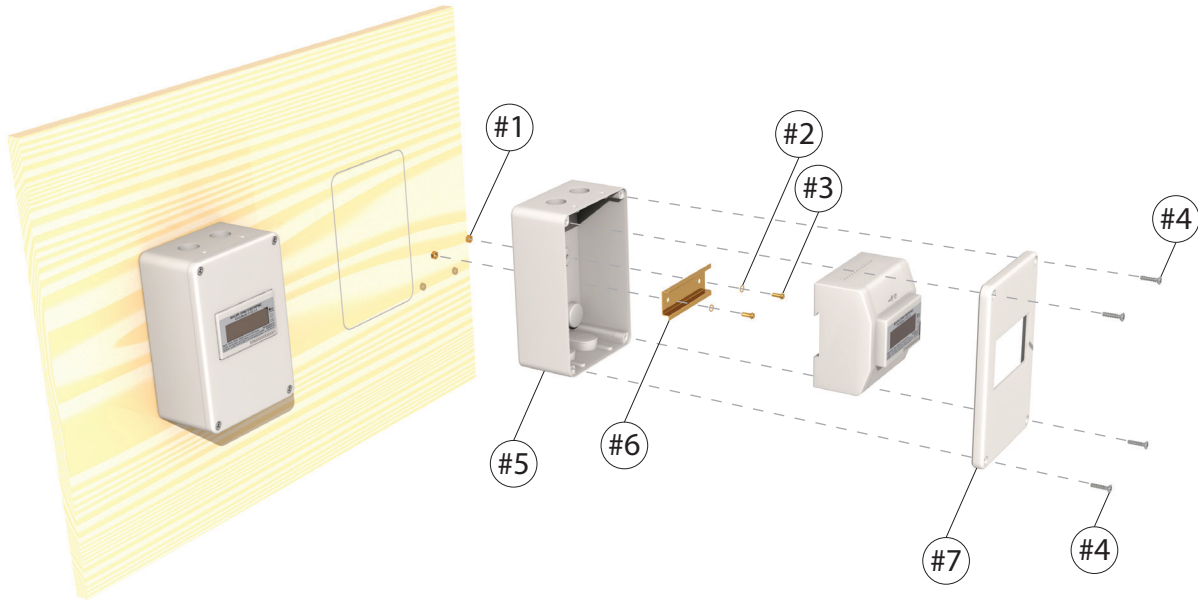


Indoor Enclosure Spec Sheet



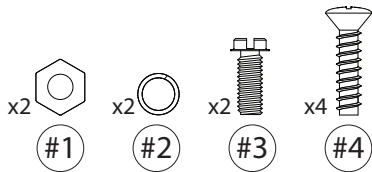
Specifications:

- Model: EKM-IENC
- Dimensions: 6.75" Tall x 4.5" Wide x 2.5" Deep
- Weight: 1Lb 6oz
- Materials: ABS plastic box and covers, steel hardware
- Meters Supported: Any electric meters designed by EKM Metering, including up to four EKM-15E (note that even four of these will not fill the faceplate hole in the enclosure covers).

Surface Mount

Parts:

- #1: Hex Nut
- #2: Lock Washer
- #3: Small Bolt
- #4: Cover Screw
- #5: Enclosure Box
- #6: DIN Rail
- #7: Surface Enclosure Cover

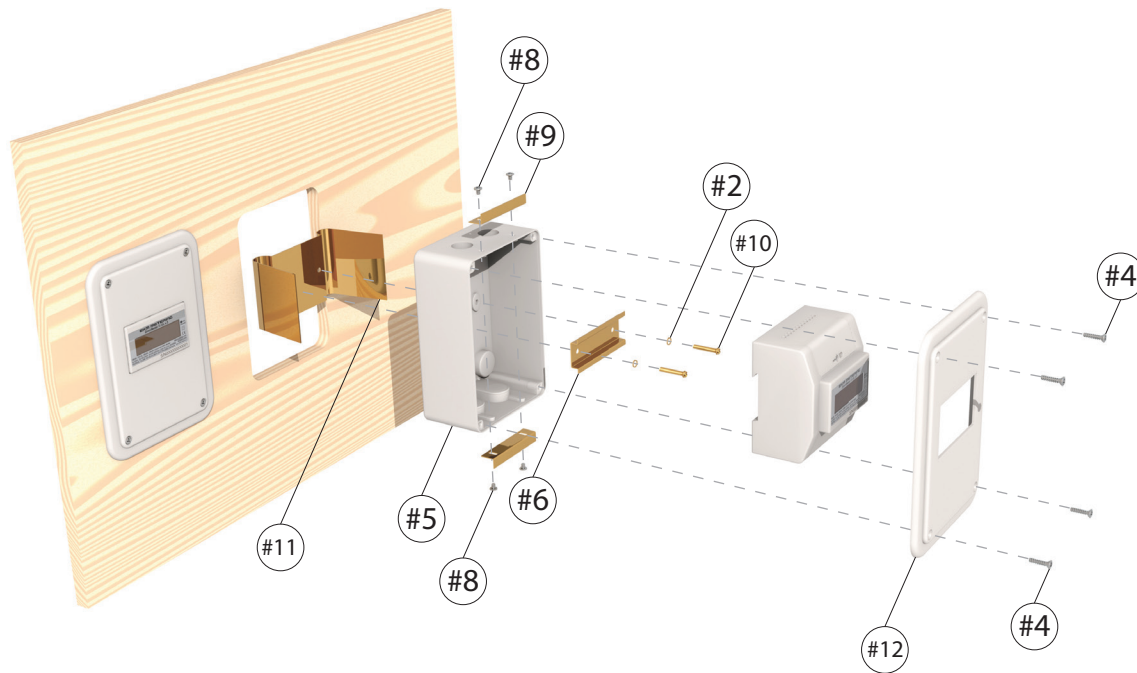


Principle:

This setup is intended for indoor surface mount applications. The enclosure should be attached to a surface in an appropriate way at the discretion of the installer. Any electrical, current transformer, or communication wires should be routed to the enclosure via conduit. There are two threaded ports for conduit to enter on the top, bottom, and rear of the enclosure box.

Installation Instructions:

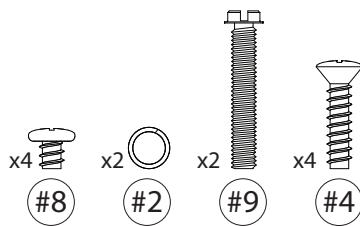
1. First choose a suitable surface to mount your enclosure on and find a good way to attach the Enclosure Box (#5) to the surface. For example, this can be done by drilling through the back of the enclosure box and screwing to a wooden structural member.
2. Before you mount the enclosure to the surface you will need to attach the DIN rail (#6) inside the Enclosure Box. To do this, Insert the Hex Nuts (#1) into the recesses in the back of the enclosure. This will hold them in place. Now pass the Small Bolt (#3) through the Lock Washer (#2), through the DIN Rail (#6), and through the Enclosure Box, into the Hex Nut (#1). Use a screwdriver to tighten the bolts.
3. Now mount the enclosure to the surface you have chosen.
4. Route all of the wiring to the enclosure before you install your meter.
5. Connect the wires to your meter before you clip it onto the DIN rail.
6. When you have wired up your meter, clip it onto the DIN rail. This is done by inserting the top of the meter first. Then pull down on the spring loaded clip at the bottom to get it to go behind the bottom of the DIN Rail. If this is done correctly the meter should now be securely mounted.
7. At this point you can turn the electricity on and make sure that your meter powers on and that you are getting good reads. If you are using a smart meter you can also test that your meter is communicating properly.
8. When you are satisfied that everything is connected appropriately you can install the Surface Enclosure Cover (#7) using the four Cover Screws (#4) and you should now be finished installing your meter and Indoor Enclosure.



Flush Mount

Parts:

- #2: Lock Washer
- #4: Cover Screw
- #5: Enclosure Box
- #6: DIN Rail
- #8: L Bracket Screw
- #9: L Bracket
- #10: Large Bolt
- #11: W Bracket
- #12: Flush Enclosure Cover



Principle:

This setup is intended for indoor flush mount applications. For this setup a hole needs to be cut into a surface that the Enclosure Box can fit in. This is typically a wall surface. Which surface is appropriate for this type of installation is at the discretion of the installer but it should be sturdy enough to support the enclosure, meter, and wiring. Any electrical, current transformer, or communication wires should be routed to the enclosure via conduit. There are two threaded ports for conduit to enter on the top, bottom, and rear of the enclosure box. When the enclosure is installed, all of these ports will be behind the surface that the enclosure is mounted on. Because of this it is important to consider how the wiring will be installed before you install the enclosure.

Installation Instructions:

1. First choose a suitable surface that you can cut to install your Enclosure Box(#5).
2. Turn the Enclosure Box around and position it on the surface where you want it installed. Using it as a template, draw a line around box. It is best to be a bit liberal and draw the line about 1/8 of an inch away from the box so that the box and W Bracket(#11) will install easier.
3. Using the appropriate tools and safety precautions, cut along the line that you drew to open a hole in the surface. When completed, your Enclosure Box should easily fit through the hole.

4. Before you insert the enclosure into the hole you will need to attach the DIN rail(#6) and W Bracket. Pass the Large Bolts(#10) through the Lock Washers(#2), through the DIN Rail, and through the Enclosure Box, into the W Bracket. Only tighten the bolts down a few turns, you want the assembly to be loose for now.
5. Attach the L Brackets(#9) to the top and bottom of the Enclosure Box using the L Bracket Screws(#8). The L Brackets should be positioned so their vertical faces are even with the front edge of the Enclosure Box.
6. If you do not have access to the back side of the installation surface, you should route all of your wiring to the hole that you created and then to the Enclosure Box. Once it is installed it will be much harder to route wires if you don't have access to the back of the enclosure.
7. Now insert the enclosure box through the hole with the W Bracket first. The tips of the W Bracket will need to bend in and should expand again on the other side of the surface.
8. You can now position the Enclosure Box in the hole and finish tightening the Large Bolts using a screwdriver. This will pull the W Bracket towards the Enclosure Box and pinch the mounting surface in between. If done correctly the Enclosure Box should now be solidly mounted in the hole.
9. Connect the wires to your meter before you clip it onto the DIN rail.
10. When you have wired up your meter, clip it onto the DIN rail. This is done by inserting the top of the meter first. Then pull down on the spring loaded clip at the bottom to get it to go behind the bottom of the DIN Rail. If this is done correctly the meter should now be securely mounted.
11. At this point you can turn the electricity on and make sure that your meter powers on and that you are getting good reads. If you are using a smart meter you can also test that your meter is communicating properly.
12. When you are satisfied that everything is connected appropriately, you can install the Flush Enclosure Cover(#12) using the four Cover Screws(#4) and you should now be finished installing your meter and Indoor Enclosure.