

HSE SERIES



IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed, including the following:

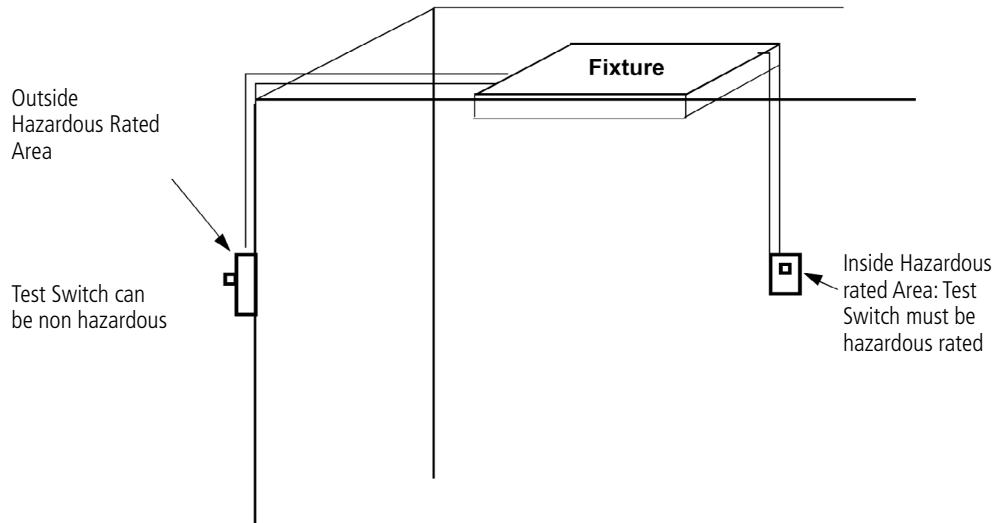
THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. DISCONNECT POWER TO ALL CIRCUITS BEFORE WIRING FIXTURE. INSTALL IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES. DO NOT CONNECT TO AN UNGROUNDED SUPPLY. READ ALL FIXTURE MARKINGS AND LABELS TO ENSURE CORRECT INSTALLATION OF FIXTURE. SUPPLEMENTAL INSTRUCTIONS MAY BE LOCATED ON THE FIXTURE, IN ADDITION TO THIS INSTRUCTION SHEET, REGARDING ORIENTATION, OR MOUNTING RESTRICTIONS.

SAVE THESE INSTRUCTIONS

CAUTION

This fixture is intended to be installed in Class I, Division 2, Group A,B,C, and D, Class II, Groups F and G, Division 2, areas as defined by Article 500 of the National Electrical Code, NFPA70. It must be installed by a qualified electrician, familiar with wiring methods used for electrical equipment in Hazardous Areas. This fixture contains no arcing or sparking parts. The fixture contains an explosion proof vent which will prevent the accumulation of hydrogen gas inside the fixture, in the unlikely event of a malfunction of the battery charging circuit. **TO REDUCE THE RISK OF INJURY, DO NOT REMOVE OR MODIFY THIS VENT.**





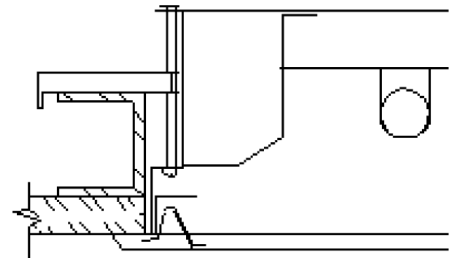
INSTALLATION INSTRUCTIONS

SURFACE MOUNTED FIXTURES

1. Use mounting hardware (if provided) to secure the fixture to its location. If no hardware is supplied, any appropriate hardware can be used. Fixtures with external mounting tabs must be mounted using all tabs.
2. Position doorframe into housing opening and start all screws by hand.
3. Tighten doorframe hardware to seal doorframe to housing.

RECESSED FLANGE FIXTURES

1. To ensure an adequate seal between the flange and the ceiling system, it is important to have a square opening and a flat ceiling surface. When gypsum is used as the base material it should have adequate thickness to resist bowing. See appropriate specification sheet or contact Kenall directly for recommended ceiling cutout dimension. The cutout opening should be accurate to within a 1/16".
2. Framing around the entire opening is recommended and should start at the rough opening. The minimum thickness of the ceiling material plus the frame material is 1-1/2". The maximum thickness of the ceiling and framing material is 4". Typically, 1-5/8 Unistrut® is used to frame the opening because of its straightness, but straight lumber can also be used.
3. Gypsum board shall be secured to the framing material around the opening. The ceiling surface around the opening shall be flat and smooth and not run (deviate from a straight edge) more than 1/32" over 2'. The opening should always be cut into whole pieces of gypsum. Ceiling seams and joints shall be outside of fixture cutouts. Structural members running under the gypsum shall be whole pieces around the cutouts and run the length of the cutout, not just under the swing arm bracket.
4. Swing arm brackets are used to mount fixture to ceiling structure After creating the rough opening, frame the opening on the plenum side of the ceiling.
5. Place a continuous bead of approved* caulk on the back side of the housing flange. Remove tape used to secure swing arm mounting brackets to housing during shipping.
6. Connect the appropriate flexible raceway system to the hub and raise the fixture into the opening.



Cut Away View



7. Turn each of the 4 mounting screws approximately ½ turn to swing the arm away from the housing and then lower the fixture, letting the swing arm brackets come to rest on framing.
8. Continue tightening mounting screws until the fixture is firmly seated in the cutout. Position door frame into housing opening and start all screws by hand.
9. Tighten doorframe hardware to seal fixture and ceiling plenum. Fixtures come with either a hinge door or a full cage door. NOTE: Certain applications will use a stainless steel recessed frame to frame the rough opening.
10. Apply approved* caulk to the back side of the recessed frame and to the back side of the fixture housing to ensure a seal between plenum and housing.

*RTV-108 room temperature vulcanizing silicone, or a type approved by the building owner/consulting engineer for the application.

RECESSED GRID FIXTURES

1. Fixture is designed for use with 1.0", 1.50", or 2.0" T bar grid systems with vertical grid T thickness of less than ¼" with a maximum height of 2.0". Grid systems can be installed with standard 12", 24" or 48" centerline spacing of grid.
2. Fixture housing lays into grid. Position door frame over housing opening and start all screws by hand.
3. Tighten doorframe hardware to seal doorframe to grid.

PENDANT MOUNTED FIXTURES

1. Install in accordance with all local codes. The National Electrical Code requires that pendant fixtures be suspended by threaded rigid metal conduit stems, threaded steel IMC stems, or other approved means, and that rigid stems longer than 12 inches be braced against lateral displacement.
2. All 1'×4' fixtures are counterbalanced to hang plumb on a flexible fixture hangar. 2'×4' fixtures are not counterbalanced.
3. Use rigid conduit stems only. See NEC 501-9(b)(2). Kenall fixture is supplied with two (1'×4') or four (2'×4') ½ NPT threaded entries for attachment to conduit.
4. Connect conduit suitable for the area to all hubs and terminate the conduit in an approved junction box.

CUSTOMER SERVICE

For technical assistance, call 1-800-4KENALL (1-800-453-6255).

WARRANTY

For warranty information visit www.kenall.com/Resources/Certified-Performance-Warranties

