

Installation Instructions for Types 2, 3, 3R, 3S, 4, 4X, 5, 6/6P, 12 and 13 (UL-50)
File #E207562/E229365

Mounting Brackets (P/N MFLK Series or MFK Series) – A mounting bracket and screw pack are provided with the Premium enclosures. To assemble, turn the enclosure upside down on a flat surface, place the mounting bracket over the square boss either horizontally or vertically, and fasten the mounting bracket with the ¼"-20 x 0.5" SS, countersunk Phillips drive screws (torque limit = 32 in. lbs. maximum). The enclosure can be mounted either horizontally or vertically, with the mounting brackets in any configuration, using any acceptable fastening technique.

Covers/Doors – Covers/doors have a gasket pre-assembled to seal against the base. Attach to the base in these three standard configurations:

Non-Hinged Junction Pull Box:

- Screw down in four corners with screws provided. Torque for corner screws is 10 inch-pounds. (Required for type 6P Rating)

Externally Hinged Cutout Box:

- Externally hinged along one side of the major dimension of the enclosure with opposite side to the hinge screwed down with (2) #10-32 x 0.75" SS, pan Phillips drive screws. To achieve 6P rating – all 4 screws will be used and torqued to 10 inch-pounds (this applies for the Premium line).
- Externally hinged along one side of the major dimension of the enclosure with opposite side to the hinges held by lockout-type latches.

Enclosures are provided with cover/door assembled to the base. For Premium line, #10-32 x 0.75" SS, Phillips drive screws are provided to secure the cover/door to the base. When re-assembling, be sure to align gasket on cover/door with the sealing bead on the base.

Note: When starting and tightening screws, it is easiest to align and tighten screws by first starting all four screws, then tightening opposite corner screws to 10 inch-pounds.

When used as a Pull Box, installation in the U.S. shall be in accordance with Section 314-28 of the National Electric Code, ANSI/NFPA 70-2008. Installation in Canada shall be in accordance with Section 12-3036 of the Canadian Electrical Code, C22.1-2006.

Installation of Panels – When installing panels screw down in four corners with screws provided. Torque for screws is 10-15 inch-pounds.

Part No. INSTALL SHT-INTEG REV. G

Installation Instruction Notes: (Premium, Genesis and Impact Lines)

Installation of Conduit – Conduit holes can be cut using standard hole saws. Locations are as desired per any applicable rules or codes. External mounting means are provided and molded into enclosures.

Enclosures marked with a model type 6/6P rating require installation instructions that specify the use of UL approved conduit hubs. Maximum Hub size for G242410 and H181610 is 3" all other enclosures is 2". Any hub must be mounted on a flat surface.

Metallic Conduit – Secure the conduit connector into the conduit. Then secure the conduit connector into the pre-drilled hole in the enclosure with the connector locknut. Then secure the grounding bushing over the connector locknut.

Nonmetallic Conduit – Either assemble the conduit connector into the conduit, or the pre-drilled hole in the enclosure, whichever is easier, and secure with the connector locknut.

Grounding of Conduit – Any metallic conduit joining an enclosure must be grounded. Use Grounding Kit GK001.

- All threaded inserts in the enclosure and for cover attachment are #10-32.
- Bonding between grounding bushings/lugs or between the grounding bushings/lugs and the devices installed inside the enclosure must be according to applicable governing Electrical Code.
- Enclosure drilled for conduit or other modifications voids warranty and may not be returned.
- Conduit must be aligned into or out of enclosure to prevent enclosure damage due to bending stress on enclosure walls.
- Do not use PVC cement to connect fittings to enclosure.
- Any fittings used, including conduit fittings, must be according to applicable Electrical Code and must maintain integrity of UL rating.
- If the enclosure is provided with customer-specified modifications, the openings must be filled with listed fittings/components of the same environmental rating.
- Type 2 and 3R if fitted with drain opening 1/8" min. to ¼" max. and located in the lowest part of the bottom wall.



WARNING: This product may expose you to chemicals such as nickel and chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, to www.P65Warnings.ca.gov

NO CHEMICAL BASED THREAD LOCKER OR ANTI-SEIZE RECOMMENDED ON THIS PRODUCT

Integra Enclosures Bulk Pack Base/Cover Application Matrix

| Premium - H Series | | Impact - P Series | |
|---------------------------|---------------------------------|--------------------------|---------------------------------|
| For These Bases* | Use One of These Covers* | For These Bases* | Use One of These Covers* |
| H664BS | H66CSO, X66CSC | P443BH | P44CHO, P44CHC |
| H664BH | H66CHO, X66CHC | P443BHLL | P44CHOLL, P44CHCLL |
| H864BS | H86CSO, X86CSC | P443BLP | P44CLPO, P44CLPC |
| H864BH | H86CHO, X86CHC | P443BLPLL | P44CLPOLL, P44CLPCLL |
| H884BS | H88CSO, X88CSC | P553BH | P55CHO, P55CHC |
| H884BH | H88CHO, X88CHC | P553BHLL | P55CHOLL, P55CHCLL |
| H1082BS | H108CSO, X108CSC | P553BLP | P55CLPO, P55CLPC |
| H1082BH | H108CHO, X108CHC | P553BLPLL | P55CLPOLL, P55CLPCLL |
| H1084BS | H108CSO, X108CSC | P644BH | P64CHO, P64CHC |
| H1084BH | H108CHO, X108CHC | P644BHLL | P64CHOLL, P64CHCLL |
| H1086BS | H108CSO, X108CSC | P644BLP | P64CLPO, P64CLPC |
| H1086BH | H108CHO, X108CHC | P644BLPLL | P64CLPOLL, P64CLPCLL |
| H12104BS | H1210CSO, X1210CSC | P663BH | P66CHO, P66CHC |
| H12104BH | H1210CHO, X1210CHC | P663BHLL | P66CHOLL, P66CHCLL |
| H12106BS | H1210CSO, X1210CSC | P663BLP | P66CLPO, P66CLPC |
| H12106BH | H1210CHO, X1210CHC | P663BLPLL | P66CLPOLL, P66CLPCLL |
| H141206BS | H1412CSO, X1412CSC | P863BH | P86CHO, P86CHC |
| H141206BH | H1412CHO, X1412CHC | P863BHLL | P86CHOLL, P86CHCLL |
| H161407BS | H1614CSO, X1614CSC | P863BLP | P86CLPO, P86CLPC |
| H161407BH | H1614CHO, X1614CHC | P863BLPLL | P86CLPOLL, P86CLPCLL |
| H161407LP | H1614CLPO, X1614CLPC | P982BH | P98CHO, P98CHC |
| H161810BZ | H1618CZO, X1618CZC | P1084BH | P108CHO, P108CHC |
| H181608BHSL | H1816CHO, X1816CHC | P1084BHLL | P108CHOLL, P108CHCLL |
| H181610BS | H1816CSO, X1816CSC | P1084BLP | P108CLPO, P108CLPC |
| H181610BH | H1816CHO, X1816CHC | P1084BLPLL | P108CLPOLL, P108CLPCLL |
| H181610BLP | H1816CLPO | P1086BH | P108CHO, P108CHC |
| | | P1086BHLL | P108CHOLL, P108CHCLL |
| | | P1086BLP | P108CLPO, P108CLPC |
| | | P1086BLPLL | P108CLPOLL, P108CLPCLL |

| Genesis - G Series | |
|---------------------------|---------------------------------|
| For These Bases* | Use One of These Covers* |
| 201608BH | 2016CHO, 2016CHC |
| 242410BH | 2424CHO, 2424CHC |

*Part No. may have color or machined designation suffix, always refer to listed core Base part number and match to listed core Cover part number.

*May be provided with mounting brackets MFLK Series or MFK series; mounting brackets may be purchased separately.