

External Splice Box (SBEX)

Installation Instructions

Step 1: Drill Hole in Riser (if Necessary)

If the access riser has a pre-drilled and prepped splice box hole, go to Step 2.

Step 1a: Measure and mark the inside of the riser for the splice box pilot hole — 6.25 inches (159 mm) down from the top of the riser or riser-lid adapter.

- Choose the side of the riser closest to the panel.

Step 1b: Drill a 1/4-inch (6-mm) pilot hole through the riser from the inside.

Step 1c: Use a hole saw to cut a 5-inch (127-mm) hole through the riser, centered on the pilot hole, from the inside.

Step 1d: Clean and deburr the hole.

- Be careful not to enlarge the hole.

Step 2: Attach Riser Adapter

Step 2a: Press the riser adapter into the hole, as shown in image 2a.

Step 2b: Use the riser adapter as a template and drill four 1/8-in. (3.2-mm) holes through the riser, from the inside.

- Remove the adapter when done.

Step 2c: Apply a continuous bead of ADH200 sealant/adhesive or methacrylate adhesive to the groove at the riser adapter's base.

Step 2d: Press the riser adapter into the hole, as shown in image 2a.

- Make sure it fully seats against the riser.

Step 2e: Secure the riser adapter to the riser with the four included #8 × 1/2 screws.

Step 2f: Secure the #8 × 5/8 screw/washer/hook-and-loop assembly to the riser adapter.

Step 3: Attach SBEX

Step 3a: Apply ABS-to-PVC transition glue to the bonding surfaces in the riser adapter and on the splice box.

Step 3b: Press the splice box fully into the riser adapter.

- The splice box lid goes up toward the top of the riser.
- Make sure the splice box is vertically straight and level as you press it in.
- Leave the supplied conduit caps and waterproof wire nuts inside of the splice box.

NOTE: For routing and connecting wires inside the splice box, see "Orenco Control Panels: General Installation and Wiring Instructions," *EIN-CP-GEN-1*.

