

Flexible Conduit Kit Installation Instructions

The Extron Flexible Conduit Kit is a 6-foot length of electrical conduit with three 7½ foot, 14-gauge power wires connected to a mounting plate compatible with Extron HSA Surface Mount Enclosures. The kit provides a simple means to replace the Extron HSA's permanent or IEC power cord with conduit where required by local codes.

WARNING Installation and service must be performed by a qualified electrician only.

A UL Listed electrical distribution box is recommended for the end of the conduit opposite the HSA. See "UL Requirements", below.

UL Requirements

The Underwriters Laboratories (UL) requirements listed below pertain to the installation of the flexible conduit kit into an Extron HSA Surface Mount Enclosure.

1. This unit is not to be used beyond its rated voltage range.
2. This unit must be wired to a UL listed distribution box.

NOTE The UL listed electrical distribution box is not included with either the HSA or the Flexible Conduit Kit; the installer is responsible for obtaining and installing the box.

3. This unit must be installed in accordance with the National Electrical Code and with all local codes.

Removing the Old Cable

NOTE If the HSA is installed in a table, remove it. See the appropriate HSA User's manual.

NOTE US/Domestic HSAs have power cords permanently connected to the HSA.

International HSAs have standard IEC power connectors.

1. Unplug any device(s) plugged into the HSA.
2. **HSA 200/HSA 222/HSA 822** — Gain access to the interior of the unit:
 - a. **HSA 200/HSA 222** — Remove and retain the Phillips head screws that secure the access panel (see the HSA 200S photo at right) in place and remove the panel.
 - b. **HSA 822** — Remove and retain the Phillips head screws that secure the shroud (see the HSA 822 photo at right) in place and remove the shroud. Also, see the *HSA 822 User's Manual*.
3. Remove and retain the Phillips head screws that secure the power input connector plate in place (see both photos at right).

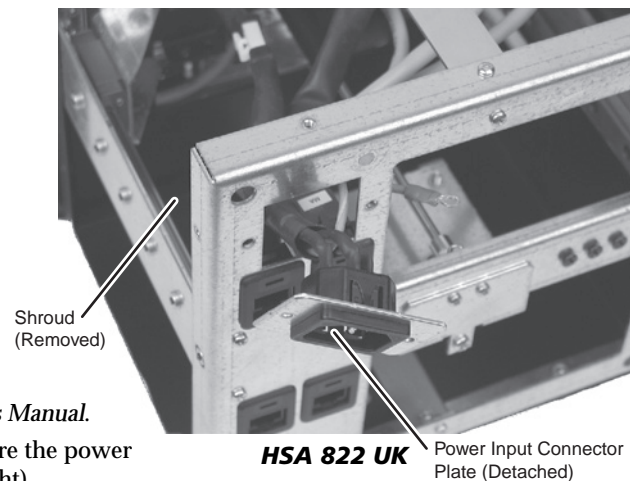
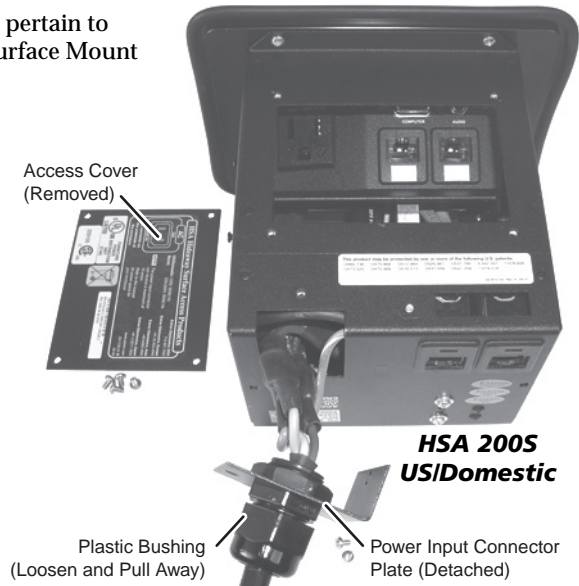
NOTE The bottom photo shows an HSA 822 model. Removing the power connector from an HSA 400 or HSA 402 is an identical procedure. HSA 400 and HSA 402 models do not have a shroud.

WARNING Ensure power is removed before performing step 4.

4. Cut the cable exiting the power input connector plate.
 - **US/Domestic HSA** — Loosen the plastic bushing on the power cord where it enters the HSA and pull the panel back. Cut the cord about 2" (5 cm) from the bottom of the HSA.

NOTE Cut the power cord **after** the point where the separate wires from the front plate outlets are joined in heat shrink.

- **International (IEC) HSA** — Extend the power cord and cut the wires as close to the back side of the power IEC connector as possible.



Flexible Conduit Kit Installation Instructions, cont'd

- Strip away 1½" of the outer jacket (US/Domestic HSA) and ½" of the individual wires' insulation.

Installing the Replacement Cable

- Twist together the two supply (**blue**) wires (one from the HSA and one from the Flexible Conduit Kit), the two return (**brown**) wires, and the two ground (**green/yellow**) wires in the HSA. Twist one of the provided wire nuts onto each twisted pair.
- Carefully tuck the three wire nuts and the spliced wires into the HSA through the power input connector plate hole.
- Use the provided tie wrap to bundle the spliced power cables and strap them to the bottom of the enclosure (see the figure at right).

NOTE Tie-wrapping the spliced bundles to the bottom of the HSA is important to the HSA's freedom of movement. For the smaller HSA 200 models, keeping the bundles flat and flush with the bottom of the enclosure is critical.

In the figure at right, the wire nuts are lifted to show the tie-down location; for smooth HSA operation, the wire bundles and nuts must be pressed down into the bottom of the HSA.

- HSA 200/HSA 222/HSA 822** — Reinstall the access panel (HSA 200/HSA 222) or shroud (HSA 822) removed in "Removing the Old Cable", step 2, on the previous page.
- Use the screws provided with the Flexible Conduit Kit to secure the conduit plate to the HSA (see the photo at right).

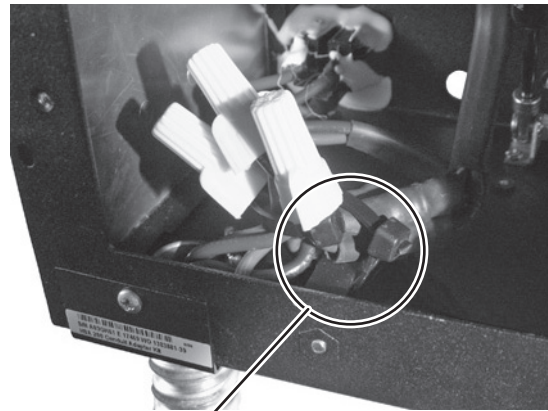
NOTE If the HSA was installed in a table, reinstall the HSA. See the HSA User's manual.

WARNING Ensure power is removed from the UL-listed AC distribution box before connecting the power cable. Lethal voltages are present in the AC distribution box.

- Remove power from the AC distribution box.

NOTE Ensure the AC distribution box is rated for and equipped with a 20-amp circuit breaker.

- Wire the free end of the AC power cable into the AC distribution box.



Cable Bundle Tied to Bottom of HSA



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