



GE VERNOVA

UR Family

Connecting a Remote UR-V Enhanced Front Panel to a Vertical UR Device

Instruction Sheet

GEK-113180: 1601-9084-A3 (GEK-113181B)

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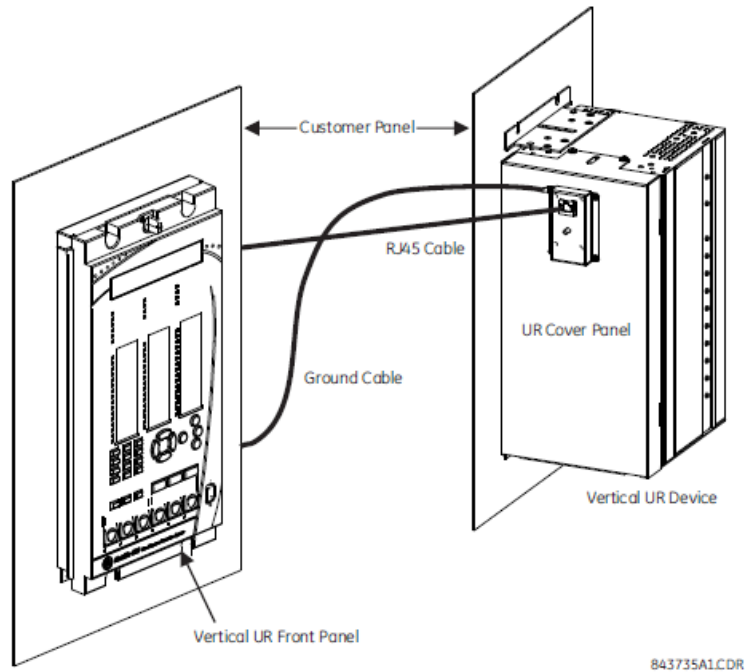
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1. Overview

The installation allows remote use of a vertical UR front panel. The front panel is removed from the UR device and a cover panel is installed. The UR device is then connected remotely to the front panel. The figure shows the concept.



Remote use of UR front panel using UR front panel mounting kit

The kit includes the cover panel, mounting brackets, cables, and screws.

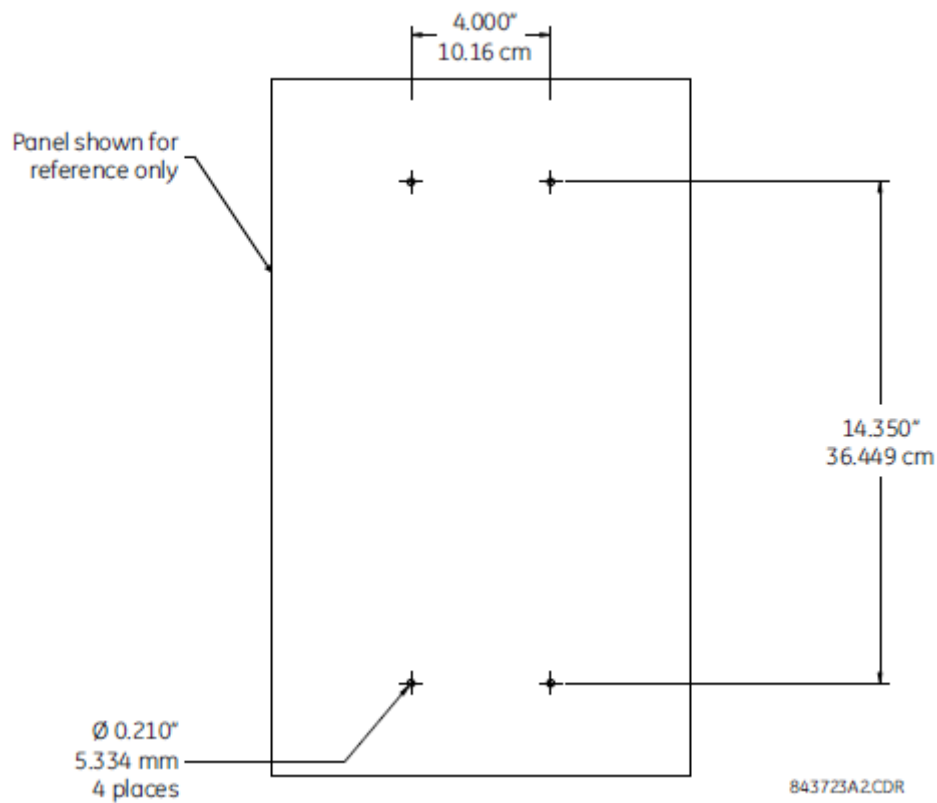
Parts list

Part number	Quantity	Description
1410-0006	8	10-32 x 3/8" pan head Phillips screw
1418-0107	8	#8-32X1/4" flat head Phillips black screw
1422-1032	8	10-32 lock nut
1430-0006	8	Washer flat zinc number 10
1435-0002	4	#8 external star washer
1412-0015	4	#8-32 x 1/4 Phillips screw
0804-0177	1	RJ45 cable twisted pair
1104-0259	1	Cat6 black straight through coupler
0804-0178	1	42" ground cable
1001-0042	2	Mounting bracket
18A0-0524	1	UR vertical side mount cover panel

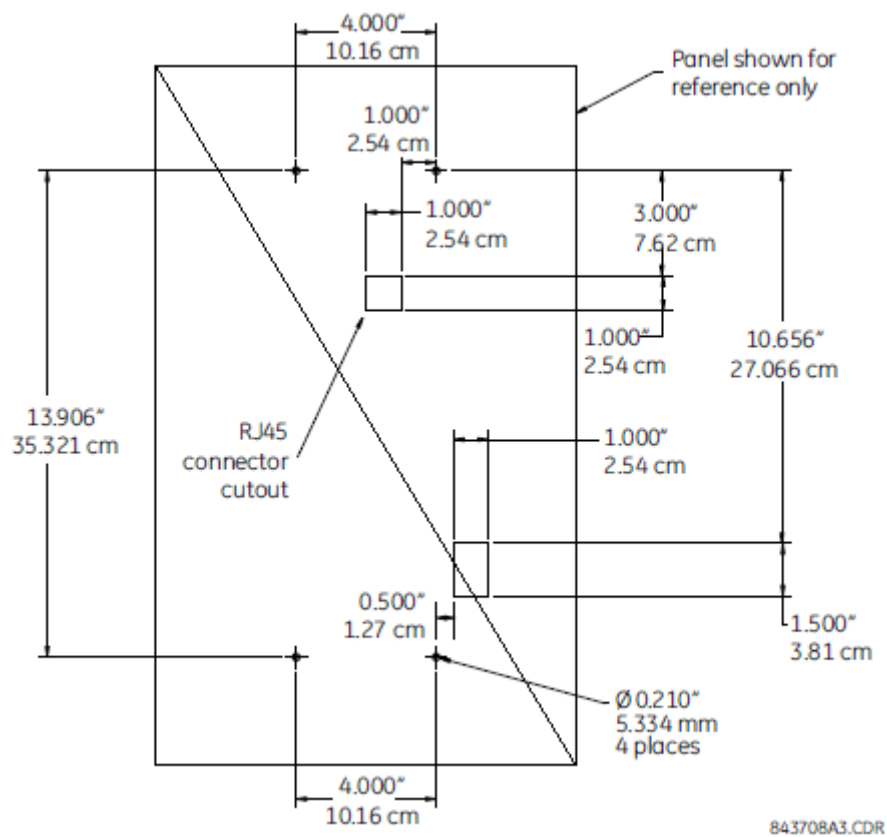
2. Dimensions

There are two cutouts required to attach the UR-V enhanced front panel and the vertical UR device (V unit) to customer panels.

To prepare the customer panels, make the modifications to the customer panels as shown in the figures.



Vertical UR device mounting hole dimensions



UR-V enhanced front panel mounting holes and cutout dimensions

3. Procedures

After preparing the customer panels, the following four steps are required to install the kit:

- Attach the UR front panel to the customer panel
- Attach the mounting brackets and cover panel to the UR device
- Attach the UR device to the customer panel
- Connect the wires

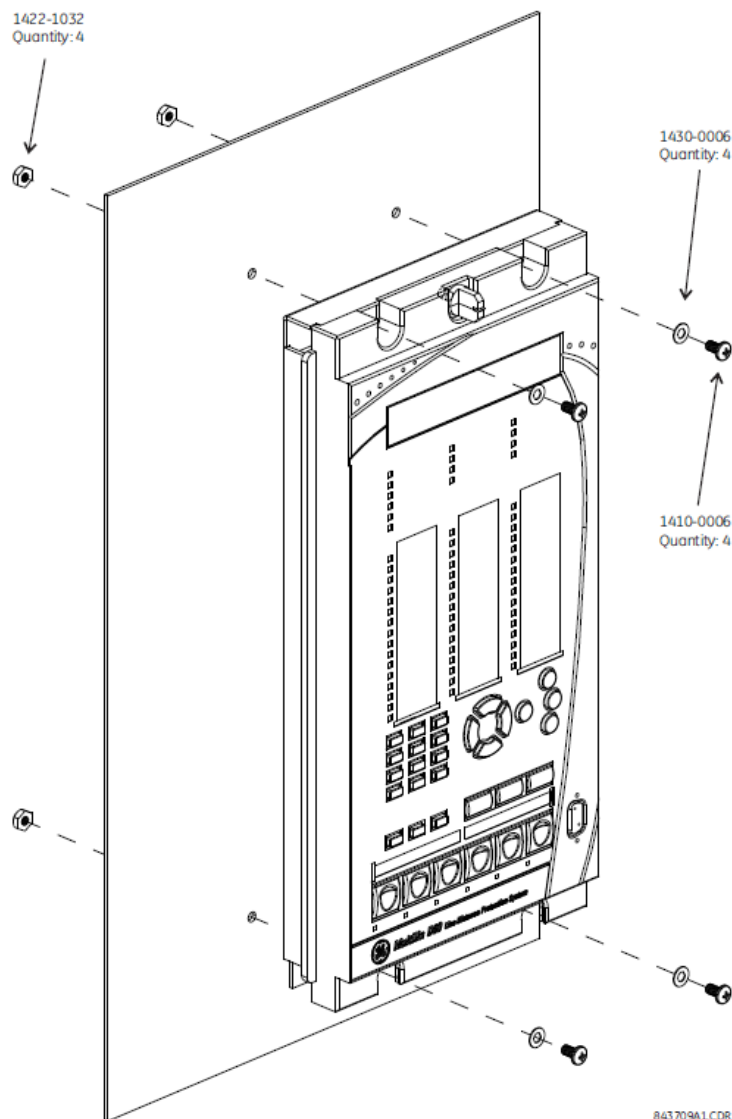


Disconnect power to the UR device, else death or serious injury can result.

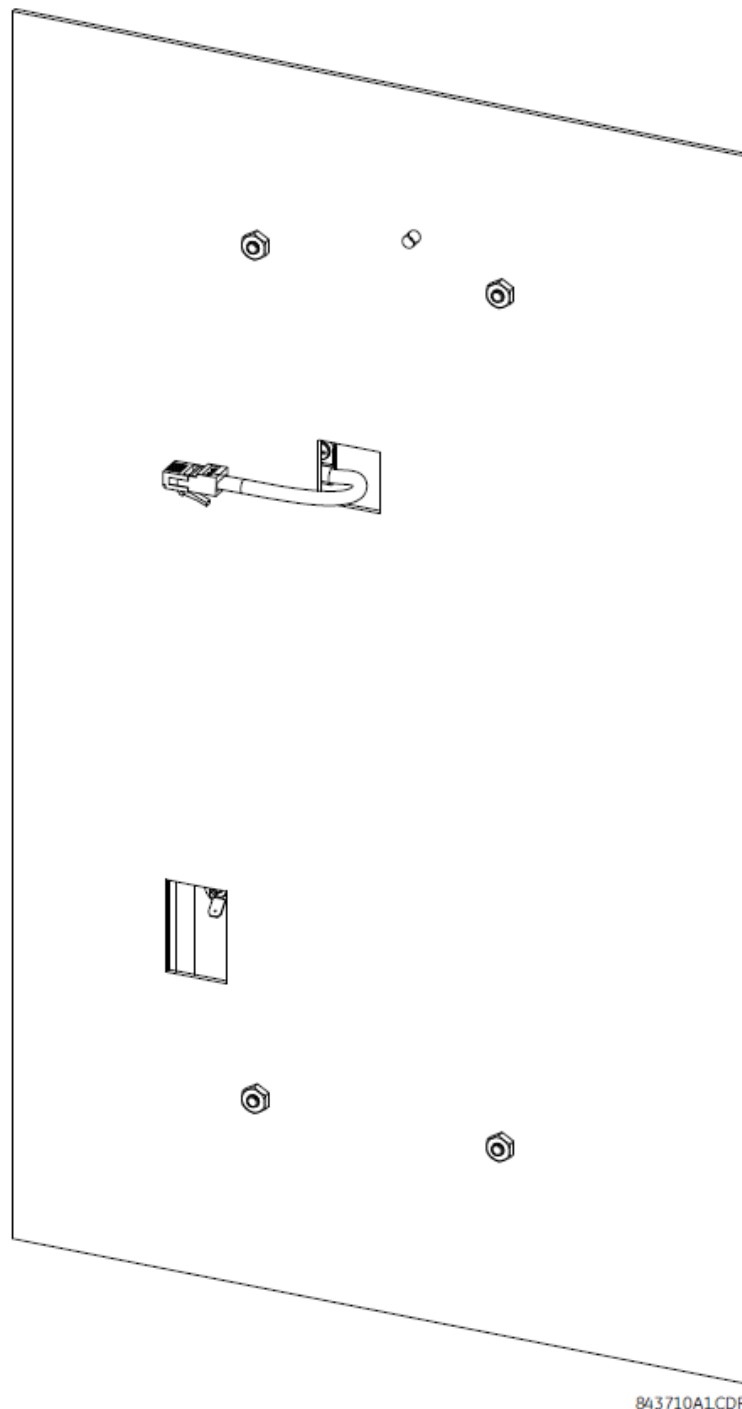
3.1. Attach UR front panel to customer panel

To attach the UR-V enhanced front panel to the customer panel:

1. Feed the RJ45 connector cable on the UR-V front panel through the RJ45 connector cutout on the customer panel.
2. Using four #10-32 × 3/8" screws (part number 1410-0006), four #10 zinc washers (part number 1430-0006), and four nylock zinc nuts (part number 1422-1032), attach the UR-V front panel to the customer panel.



3. Tighten the screws using a tightening torque of 20 lb.-in, ensuring that the UR-V enhanced front panel is snug to the customer panel.

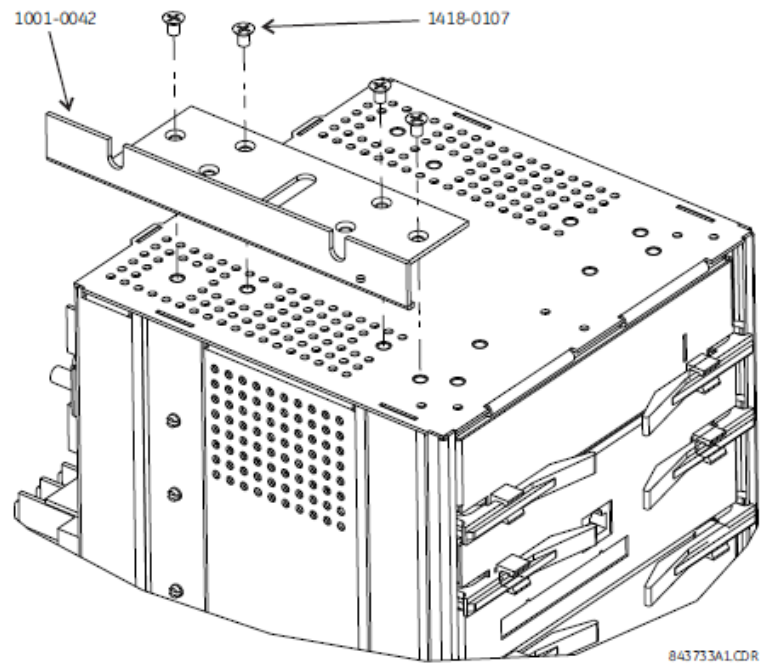


3.2. Attach mounting brackets and cover panel to UR device

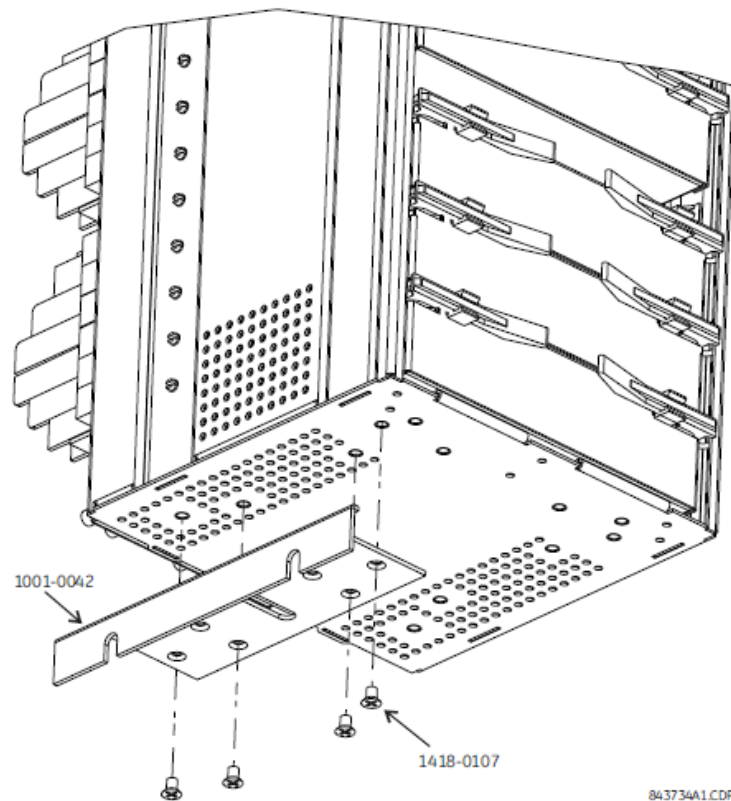
The second step is to attach the mounting brackets and vertical mount cover to the chassis. If your chassis already has the mounting brackets and vertical mount cover attached, then proceed to the next step/section.

To attach the brackets and cover to the UR device:

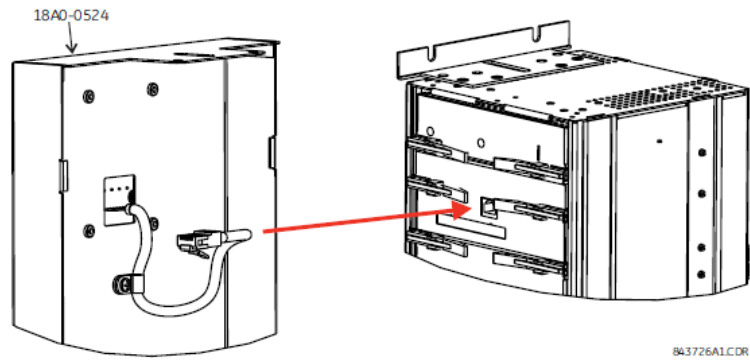
1. Using four #8-32 $\times$ $\frac{1}{4}$ " screws (part number 1418-0107), attach the mounting bracket (part number 1001-0042) to the top of the chassis (tightening torque 17lb.-in).



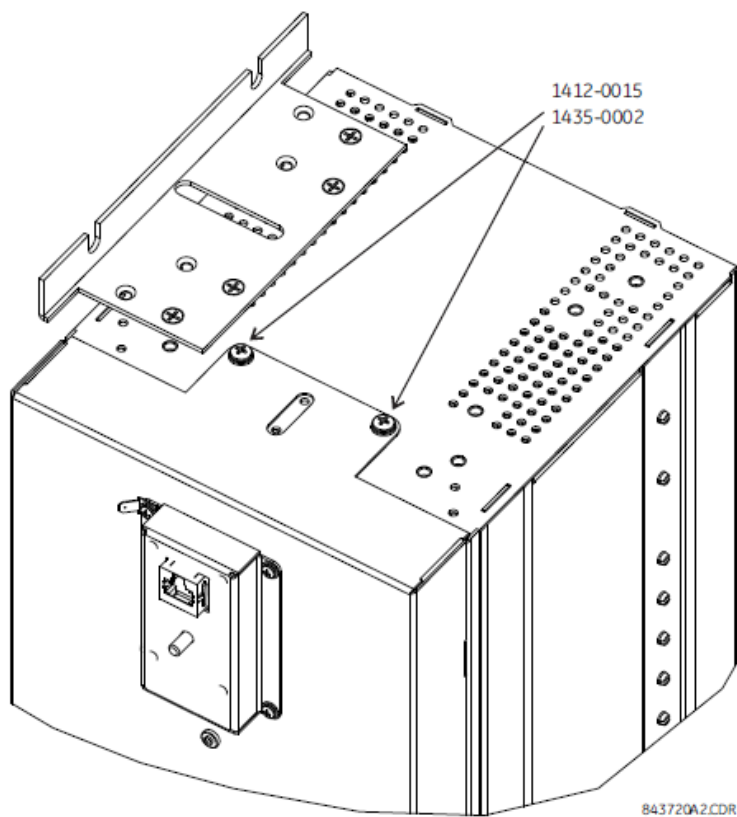
2. Using four #8-32 $\times$ $\frac{1}{4}$ " screws (part number 1418-0107), attach the mounting bracket (part number 1001-0042) to the bottom of the chassis (tightening torque 17lb.-in).



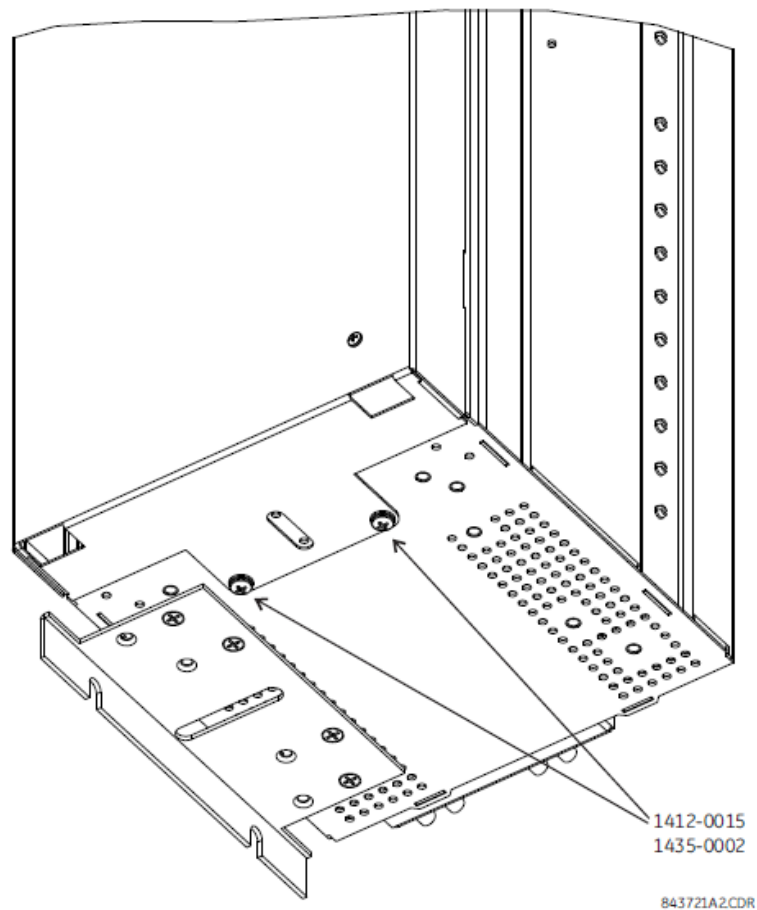
3. From the cover panel (part number 18A0-0524), plug the RJ45 cable into the RJ45 connector on the CPU module of the UR.



4. Plug the ground cable from the UR device to the ground clip on the cover panel.
5. Using two #8-32 $\times$ $\frac{1}{4}$ " screws (part number 1412-0015) and two lock washers (part number 1435-0002), attach the side-mount cover panel to the top of the chassis (tightening torque 17lb.-in).



6. Using two #8-32 $\times$ $\frac{1}{4}$ " screws (part number 1412-0015) and two lock washers (part number 1435-0002), attach the cover panel to the bottom of the chassis (tightening torque 17lb.-in).

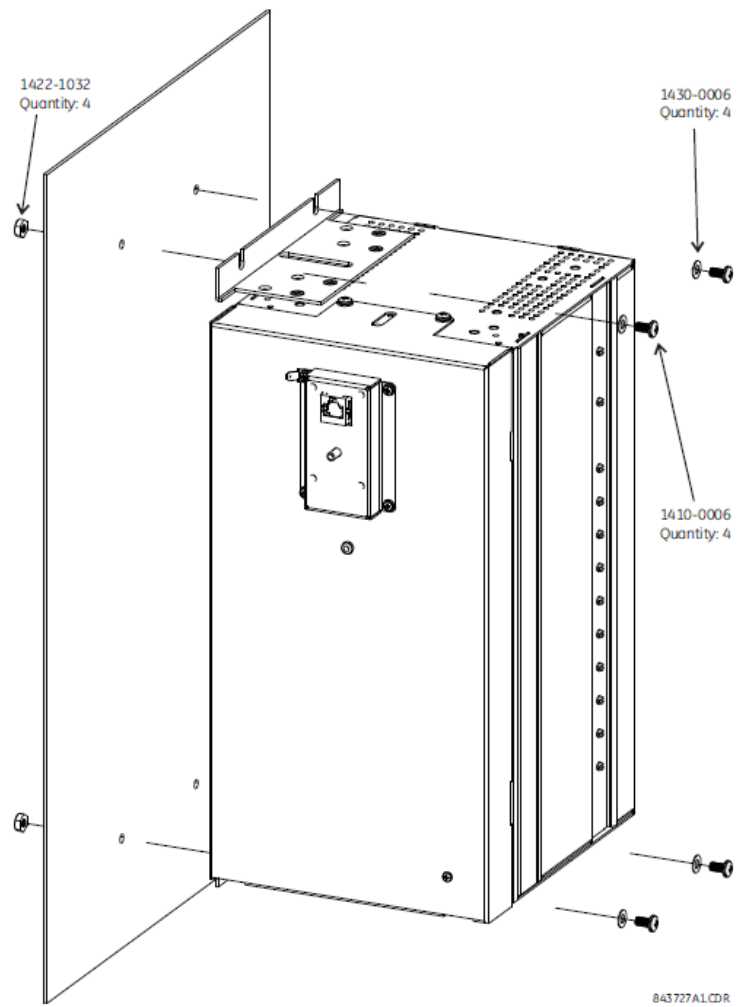


3.3. Attach vertical UR device to customer panel

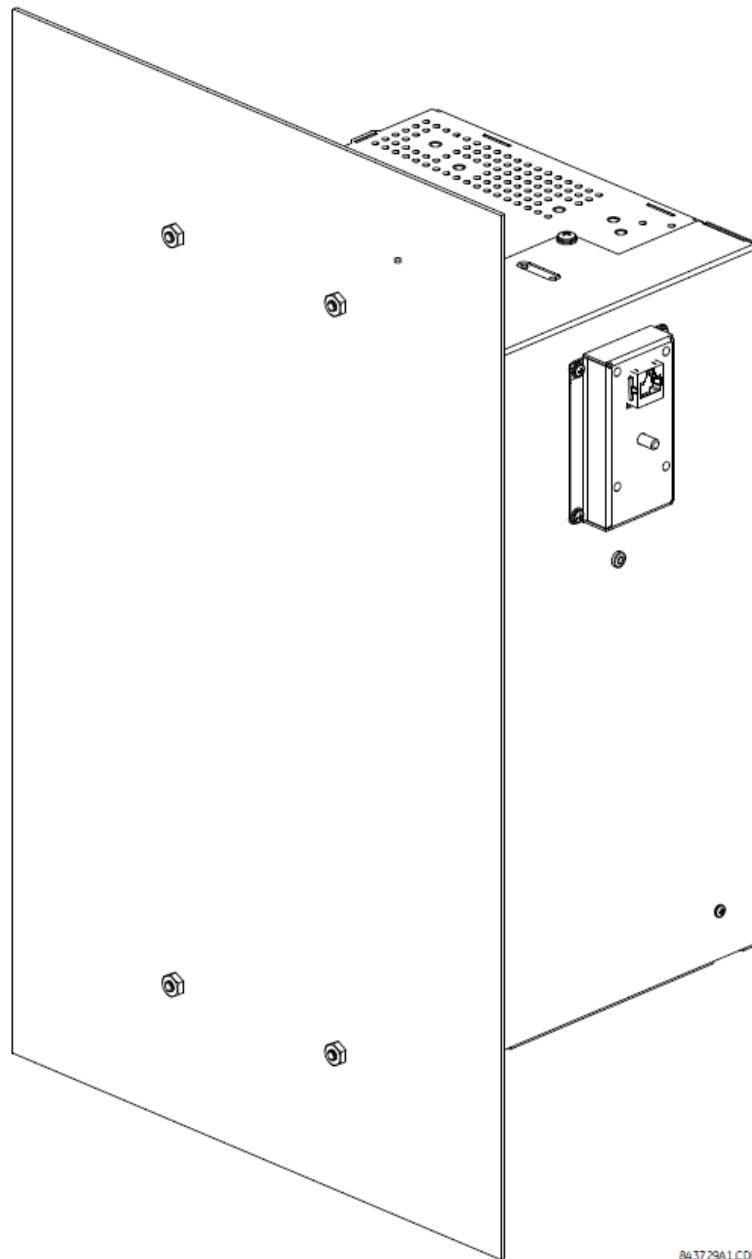
The third step is to attach the vertical UR device to the customer panel.

To attach the UR device to the customer panel:

1. Using four #10-32 × 3/8" screws (part number 1410-0006), four #10 zinc washers (part number 1430-0006), and four nylock zinc nuts (part number 1422-1032), attach the UR device to the customer panel starting from the bottom.



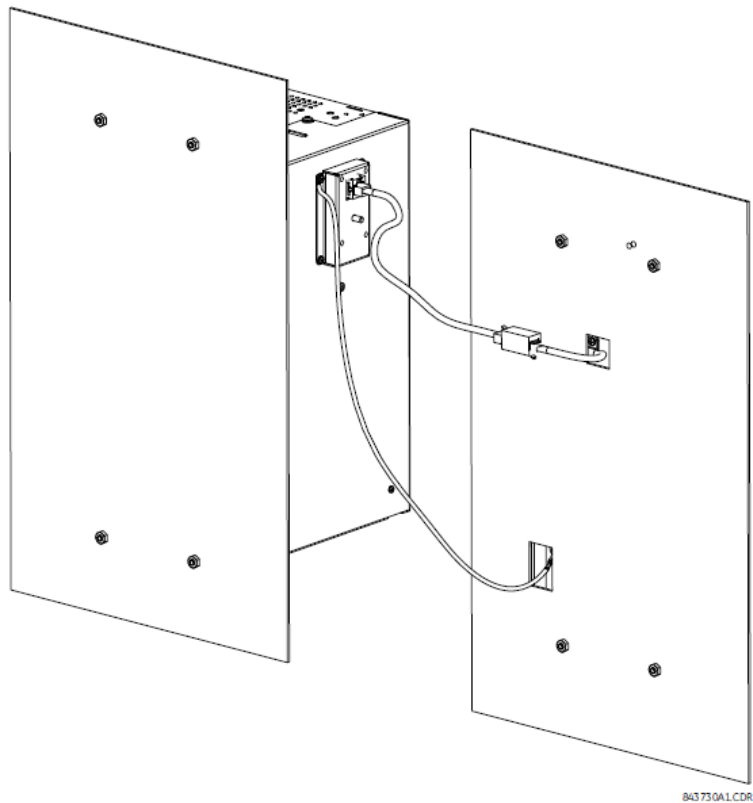
2. Tighten the screws using a tightening torque of 20 lb.-in, ensuring that the UR device is snug to the customer panel.



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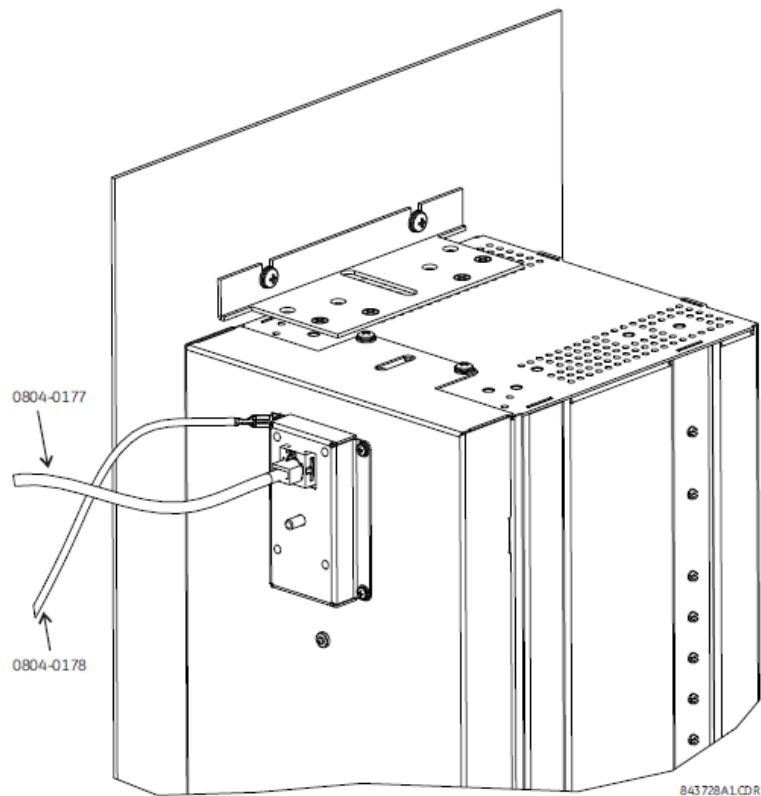
3.4. Connect wires

The final step is to complete the electrical connections between the remote front panel and the UR cover panel/ device. When complete, the UR-V enhanced front panel is connected to a vertical UR device as shown.

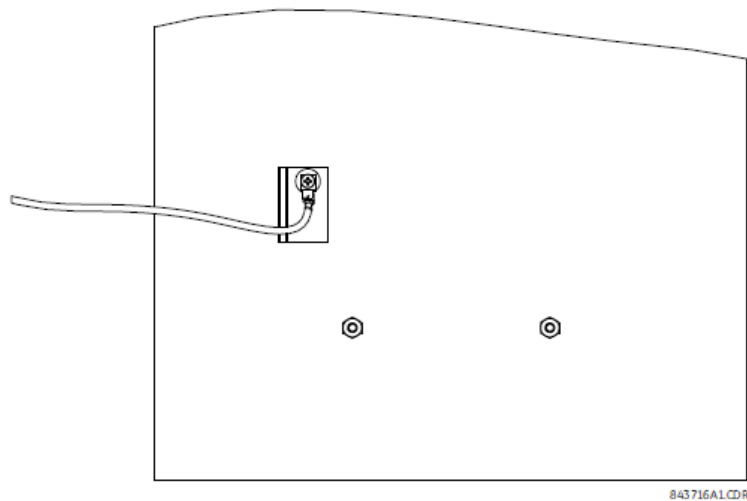


To connect the remote front panel and UR device:

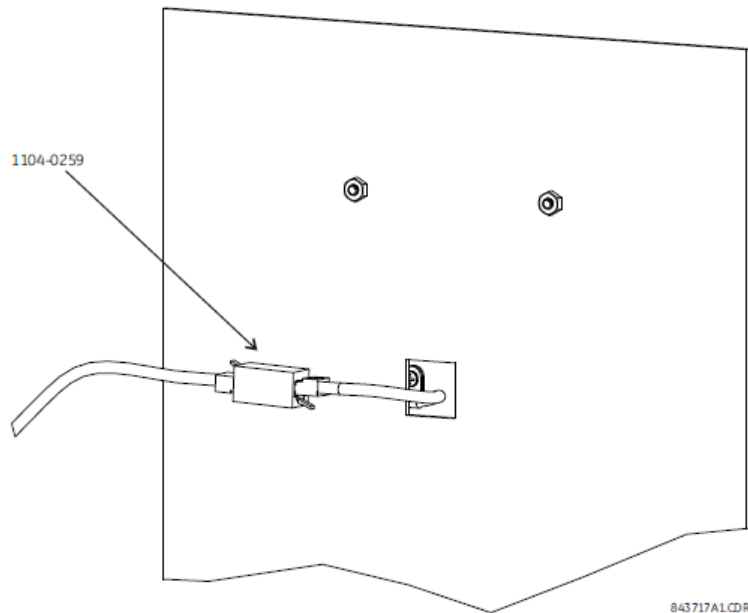
1. Connect one end of the RJ45 cable (part number 0804-0177) to the UR device as shown here.
2. Connect one end of the ground cable (part number 0804-0178) to the UR device as shown here.



3. Connect the other end of the ground cable through the cutout on the panel and attach it to the rear of the UR-Enhanced front panel.



4. Connect the other end of the RJ45 cable to the RJ45 cable on the UR-V front panel with the RJ45 straight-through coupler (part number 1104-0259).



4. For further assistance

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