

Smart Sensor Expander

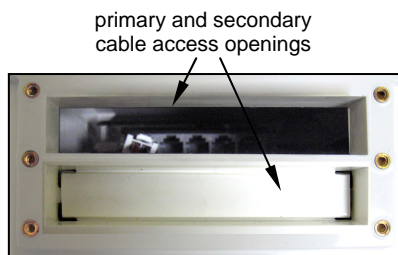
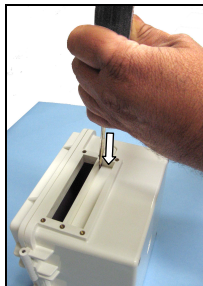
(Part No: S-ADAPT-X5-10)

This procedure provides instructions on knocking out the secondary cable access opening in the U30 case and installing the Smart Sensor Expander and cable channel.

Inside this package:	Tools required:
<ul style="list-style-type: none"> Smart Sensor Expander Expander cable 	<ul style="list-style-type: none"> Phillips-head screwdriver Bladed screwdriver, chisel, or similar instrument
<ul style="list-style-type: none"> Screws, self-tapping (2) Cable channel Retaining bar Large hole plug Small hole plugs (7) Silicone grease These instructions 	<ul style="list-style-type: none"> File

Knock Out Secondary Cable Access Opening:

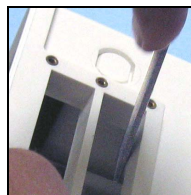
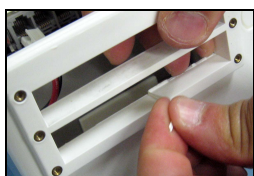
1. If the U30 is powered, disconnect power source.
2. If the cable channel for the existing (primary) cable access opening is installed, disconnect all cables (e.g., solar panel, Smart Sensors), unscrew the two retaining bars and remove channel and cables from the unit.
3. Use a hammer and a bladed tool (e.g., screwdriver, chisel) to punch through at the four corners and at the ends of the secondary cable access opening knockout.



4. Punch through along the bottom of the knockout and then tap sharply in the middle to break into the opening. Remove the hanging 'flap' of material.

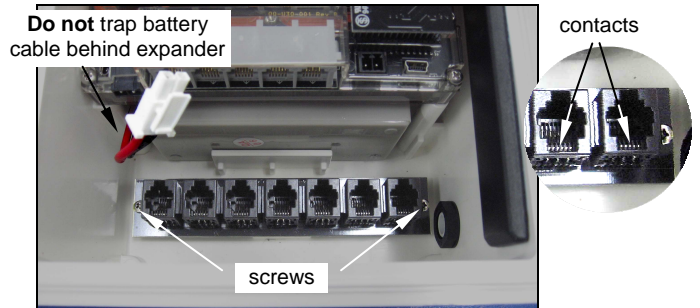


5. Peel away any residual material. File any rough edges.

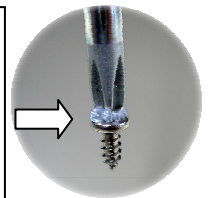


Install Smart Sensor Expander:

6. Insert one of the two supplied self-tapping screws into each end of the expander, lower onto the two standoffs near the bottom of the U30 case, and screw into place. **Note:** The contacts of the expander jacks should be nearest to the bottom of case as shown. **Be careful** not to trap the battery cable behind the expander.

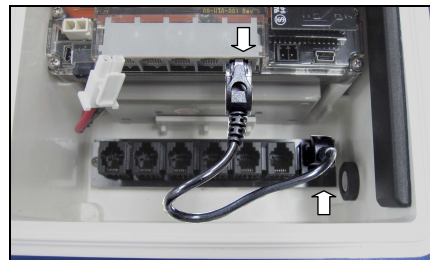


Alternate method: Place expander (without the screws) onto the standoffs. Apply a small amount of clear grease (the grease supplied with this kit can be used) at the end of the screwdriver to hold screws while lowering them into place.



Install Expander Cable:

7. Plug one end of the supplied expander cable into the rightmost jack of the expander and the other end into the rightmost jack of the U30 module as shown.

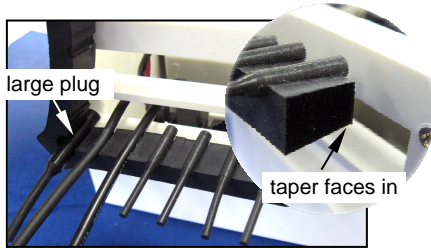


Install Cables and Cable Channel:

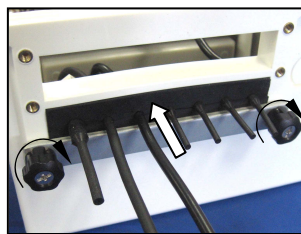
8. Insert the cables of any Smart Sensors that will be connected to the expander through the knocked out opening and plug them into the expander. Up to six cables can be connected to the expander.
9. Apply a small amount (about the size of a pea) of the supplied silicone grease onto your fingertip and work a light coating into the top, bottom, and two ends of the channel. Do not grease the sides with the holes.



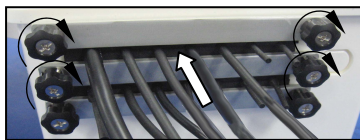
10. Open the channel and locate it below the knocked out opening, with the hinged side on left and the **taper facing in**. Place the large plug into the large groove at leftmost end, centering the thick part of the plug in groove. (The plug 'tail' can face in or out.) Lay the sensor cables into the small grooves. Use the small plugs to fill any unused grooves (again, center the thick part of the plugs in the grooves with the 'tails' facing in or out).



11. Close the channel, making sure the cables and any plugs remain in their grooves, and press into the opening. To reduce the amount of excess cable in the case, *gently* pull the cables towards you as you press the channel into place. Press channel in until it is flush with the outside of the case. (When fully seated, channel will project slightly into the inside of case.)



12. Screw the retaining bar into the bottom pair of threaded inserts. The bar should be flat against the case. Be careful not to overtighten the thumbscrews.



13. Re-connect cables through the top opening and re-install top channel and the two retaining bars.

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Repair Policy

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ASAP Repair Policy. For an additional charge, Onset will expedite the repair of a returned product.

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