

Tech Note

Solo Sensor and Input Accessory Packs

The Solo accessory packs enable the connection of bare-ended devices to the Solo's sensor port or input port.

Application

The two Solo accessory packs are designed to provide reliable, weatherproof connections of devices with bare-ended cables to the Solo. Both packs come with the option of using a 3-way termination block for large gauge wires, or gel-filled wire joiners for smaller gauge wires.

The *Solo Sensor Accessory Pack* is used to connect a device to the Solo's Sensor port. Such devices are typically serial-communication or 4–20 mA sensors that are powered by the Solo.

The *Solo Input Accessory Pack* is used to connect a device (such as a pulse output flow meter or a tipping bucket rain gauge) to the Solo's Input port.

Ordering

The accessory packs come with an in-line junction box, 4 crimp connectors and a 15 ft (5 m) cable to suit either the sensor port or input port connector. If necessary, the provided cable(s) may be shortened to a more appropriate length. Take care not to damage any wire insulation when removing the cable jacket.

Item #	Description
10124	Solo Sensor Accessory Pack
10204	Solo Input Accessory Pack

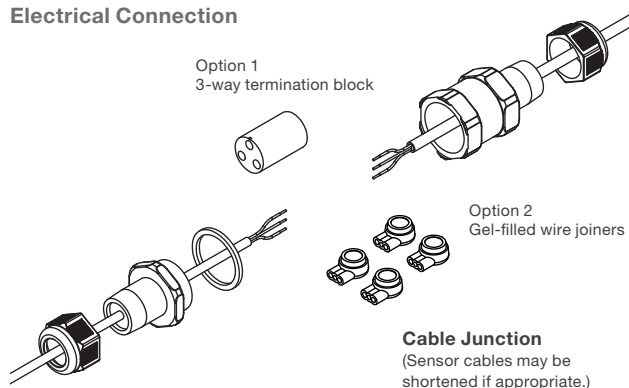
Installation

Locate a suitable position for the in-line junction box taking into account the length of the sensor tail and length of the Solo cable. It's preferable that the in-line junction box be buried or otherwise be protected from the elements. Assemble the in-line junction box in accordance with the manufacturer's installation instructions (included with the pack).

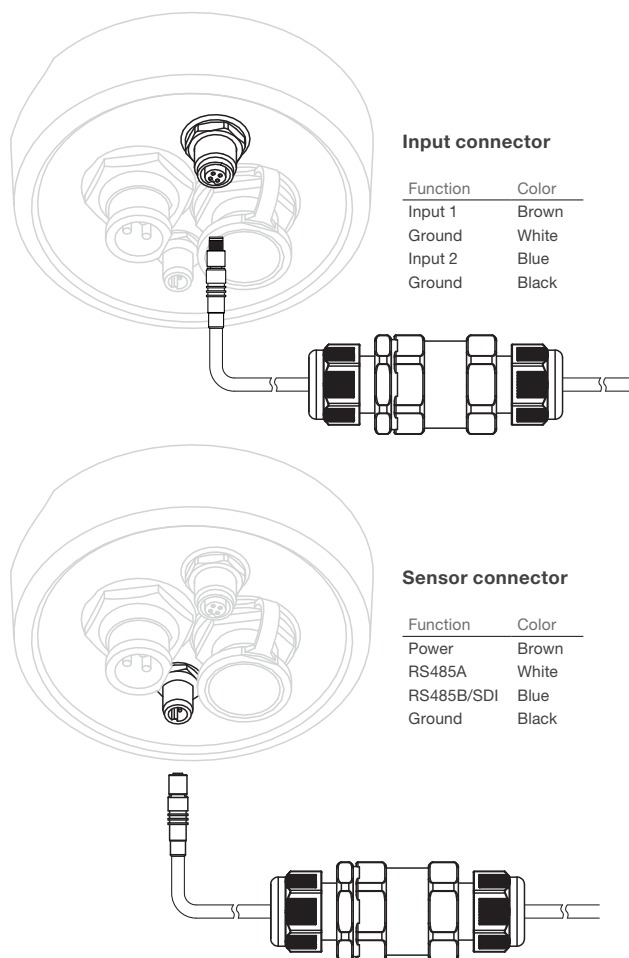
Take particular note of the following:

- To ensure a reliable weatherproof seal, use the smallest diameter yellow grommets at both ends.
- For smaller gauge wires, discard the 3-way termination block and connect the appropriate wire pairs using the supplied gel-filled wire joiners.
- After assembly of the junction box, ensure that the housing, and all connections are tight.
- Protect all cabling that would otherwise be exposed to weather. Use rigid, UV-resistant plastic or steel conduit for any above-ground cabling.
- Perform a functional test of the cable connection to confirm continuity prior to burial.

Electrical Connection



Solo Connection Panel



OBS-USR-TN010-R1

