

Tech Note

Decagon VP-4 Temperature, Humidity and Pressure Sensor

The Decagon VP-4 is an all-in-one microclimate sensor that can be mounted at any level above ground with minimal additional hardware. The VP-4 can be connected to either an Observant C3 or Solo field unit.

Application

Use the VP-4 sensor in microclimate and evapotranspiration studies. When used with the Observant Global™ software platform, you can monitor and display:

- air temperature
- relative humidity
- barometric pressure
- vapor pressure

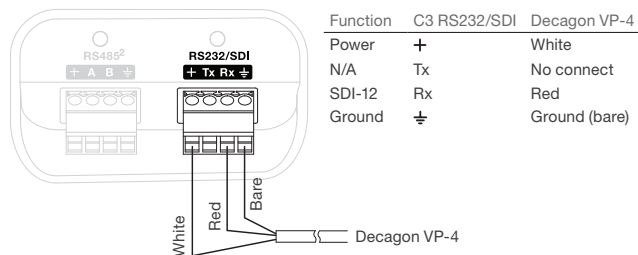
Ordering

The VP-4 sensor comes with a 16 ft (5 m) cable. The Solo Sensor Accessory Pack (required to connect this sensor to the Solo) contains an additional 16 ft (5 m) cable and a junction box to join it to the Solo's existing cable. If appropriate, the resulting 32 ft (10 m) cable length may be trimmed to a more suitable length.

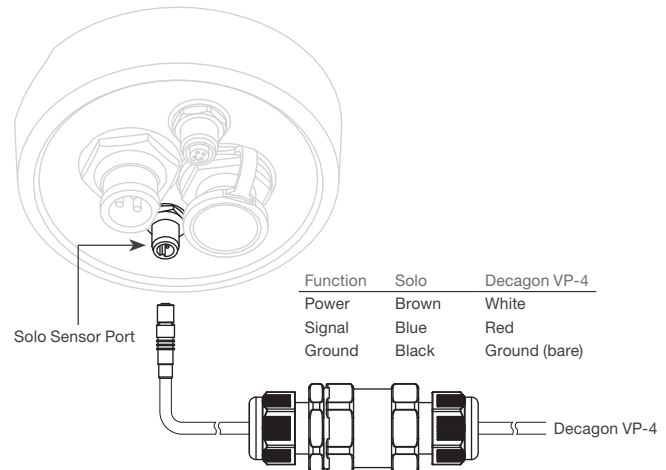
Item #	Description
10183	Decagon VP-4 with radiation shield
10125	Cable Junction Accessory Pack
10124	Solo Sensor Accessory Pack

Recommended procedure

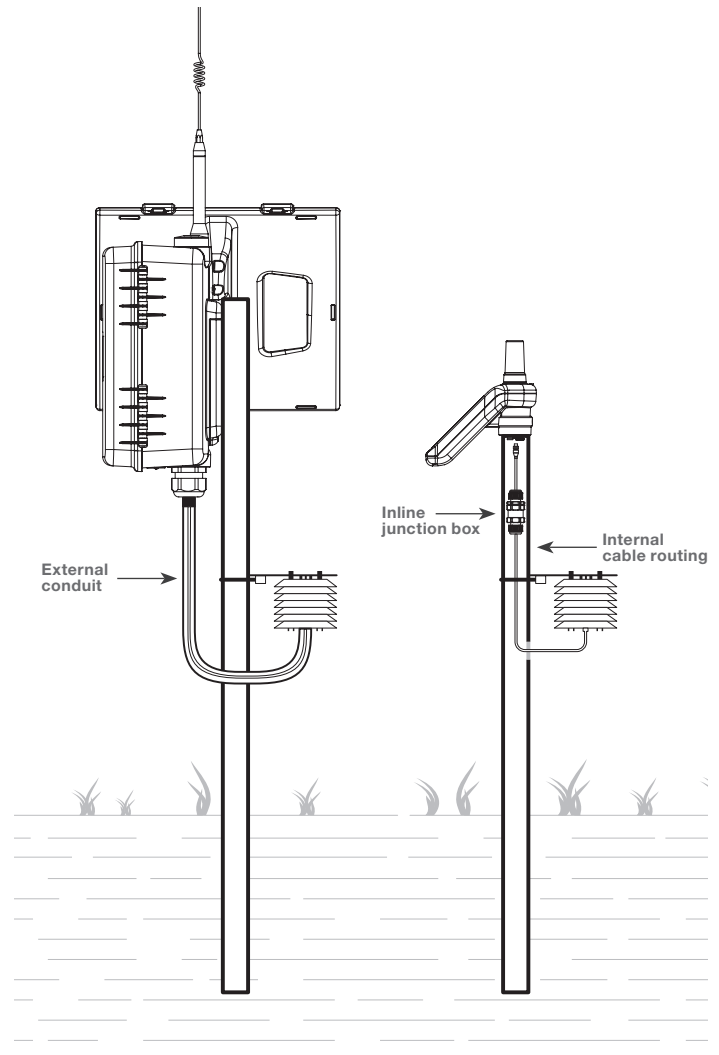
The VP-4 can be mounted to the same pole as the field unit. Cabling can be routed internally or externally. If external routing is preferred, ensure all cabling is contained within suitable UV stable conduit and secured to the pole and VP-4. A drain hole may be added to the lowest point of the conduit if there is a chance of moisture ingress. Please refer to the C3 or Solo User Guides for further cable routing options and information. The VP-4 is housed in a solar radiation shield to prevent the possibility of sunlight on the sensor causing false readings of elevated temperatures. The radiation shield is most effective when located where there is adequate ventilation. Contact Observant if you wish to connect more than one such sensor to a single field unit.



Electrical connection for C3



Electrical connection for Solo



Installation examples

OBS-USR-TN012-R1



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