Signet 9900 Direct Conductivity/Resistivity Module Instruction Sheet
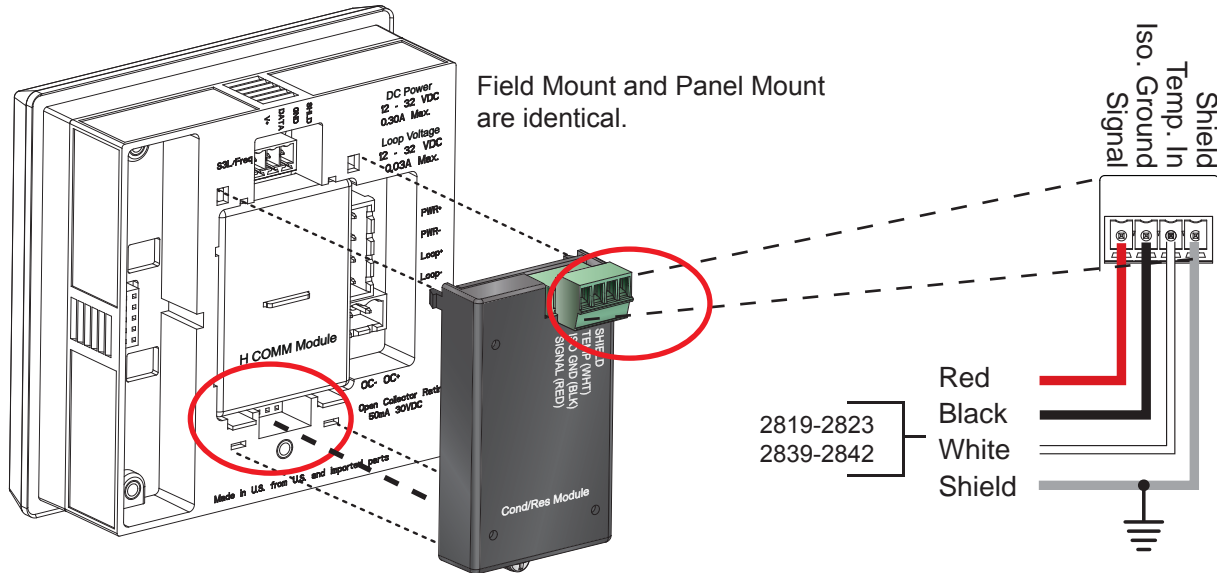
To interface a stand-alone conductivity sensor (2819-2823 or 2839-2842) to the 9900, the 3-9900.394 Direct Conductivity Module must be used.
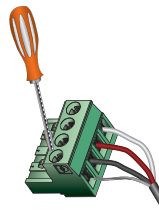

Mfr. Part No.	Code	Description
3-9900.394	159 001 669	Direct Conductivity/Resistivity Module
6682-0204	159 001 709	Conductivity Module Plug, 4 Pos, Right Angle

If the 9900 Base Unit will be mounted in a panel, plug-in modules may be installed either before or after the base unit is mounted. If the 9900 Base Unit will be mounted using the accessory wall mount bracket, install plug-in modules first.

The Conductivity/Resistivity module plugs in and attaches with a screw.

1. It may be helpful to use a standard screwdriver to gently pry removable terminals away from the receptacle on the plug-in modules. Reverse this step to reinstall the panel after the plug-in modules are installed.

2. Remove terminals from the receptacle of each plug-in module prior to installation.

- Terminals accept 16 to 28 AWG wire.
- Sensor cable length can be extended to 30 m (100 ft) (except 2819 and 2839, limited to 4.6 m (15 ft).
- Strip 10 to 12 mm (0.4 to 0.5 in.) of insulation from wire tips and tin bare ends to eliminate fraying.
- Insert wire tip or ferrule completely into the terminal and secure with the screw.
- Do not allow any AC leads that may be connected to the internal relays to come in contact with low voltage wiring.

CAUTION: Exercise care when installing module.
Do not bend connecting pins.
Align pins and connectors then push module firmly into place, then attach with screw.

Avoid Electrostatic Discharge (ESD):

- Minimize handling of module to reduce the possibility of damage due to ESD.
- Handle module by the edges. Never touch any exposed circuitry or contacts.
- Wear an anti-static wristband or stand on an anti-static mat, or keep one hand touching a properly grounded pipe or other properly grounded piece of metal when handling module.