



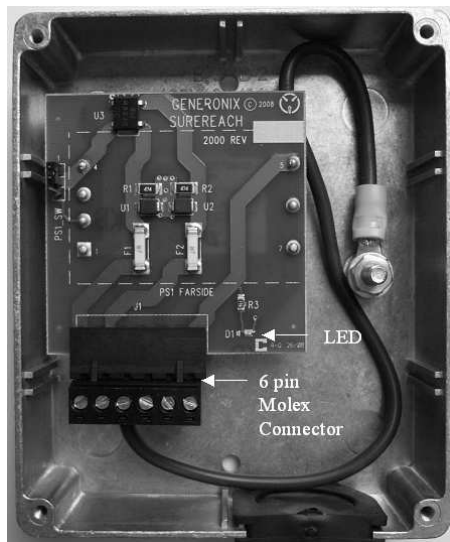
***SureReach* Quick Install Guide – For SR1275 (12VDC) and SR4875 (48VDC)**

Customer Service Contacts - For further information about the *SureReach* field unit visit the Generonix Web site at <http://www.generonix.com> or call 1-866-464-4693 or refer to the *SureReach* Installation Manual.

Operation - Power for the *SureReach* field unit is provided over standard 19-26 gauge copper cable pairs found in the telephone outside plant network. A central office power unit converts normal -48 VDC central office voltage to a higher voltage for transmission (no more than +/-190VDC) for delivery to the *SureReach* field unit.

CAUTION: Hazardous energy and voltages are present in the unit and on the interface cables that can shock or cause serious injury. Follow all safety warnings and practices when servicing this equipment. Do not connect the central office power unit to the cable pairs that will power the *SureReach* field unit until all input and output connections are complete and secure, and the unit is properly grounded.

Installation - Attach the *SureReach* field unit using two #8 x 1 1/2" pan head screws with RTV sealing compound under the head. The *SureReach* field unit is designed to accept a variety of wire types to connect to the outside plant network. Outdoor Cat3 wire or two pair drop wire may be used (see ONT vendor installation requirements). A gauge of twenty-four or lower is recommended to connect the *SureReach* field unit to the outside plant network.

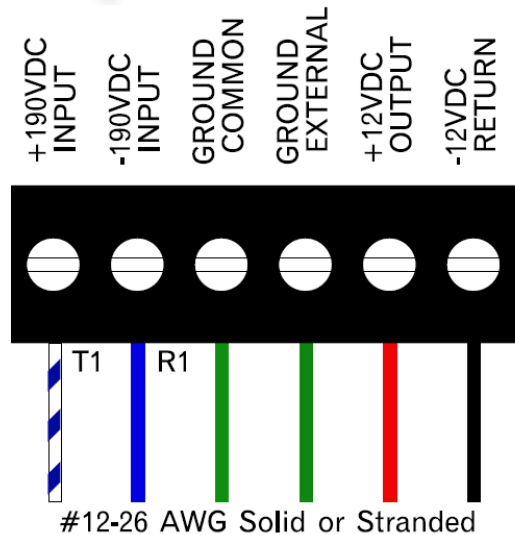


Making the Input/Output Connections - Connections to the *SureReach* field unit are made through a removable Molex connector located in the customer access compartment. The 6 pin Molex connector will accommodate any solid or stranded wire from 26 gauge to 12 gauge. **Strip 1/4" of insulation from the wires prior to connecting to the Molex connector.** Bond the buried service wire to the ground stud located in the wire chamber where applicable. **A #14 copper insulated grounding conductor must be connected from the *SureReach* Ground External connection on the Molex connector to the structure grounding electrode system per NEC Article 830.100.** Output power (12 VDC or 48 VDC depending on *SureReach* model) is provided on the right-hand side (pins 5 & 6) of the Molex connector.

A label on the inside of the cover of SureReach provides basic wiring information. The +- 190 VDC inputs are the first two on the left-hand side of the Molex connector, labeled T1 and R1. Connection to an ONT or other device is made via the +12VDC output and -12VDC return terminals. The label for an SR1275 is shown below. Refer to the ONT manufacture’s documentation for wiring details.



SureReach™
 Patent Pending
 Output: 12 VDC, 50W
SR1275



Powering the SureReach Unit - When all the input and output connections are complete, apply power at the central office to the outside cable plant cable pair(s) that will power the *SureReach* field unit. See manufacture’s instructions for the installation and operation of the central office power unit.

A small green LED located on the SureReach circuit board indicates the presence of output voltage. In bright light conditions it may be necessary to test for the presence of power by using a multi-meter, connecting to pins 5 and 6 of the Molex connector. In the event the LED is not lit and expected voltage is not present on pins 5 and 6, test for the presence of more than 250V DC on the input line on pins 1 and 2. If less than 250V DC is measured refer to the full Installation Manual. Install the cover using the screws provided. Tighten evenly for proper seal.

Thank you for choosing Generonix.

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