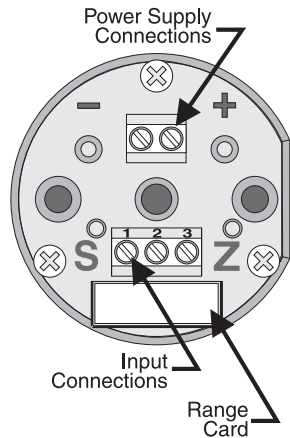




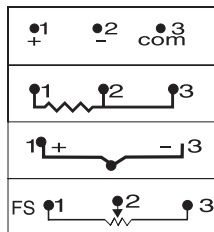
INSTALLATION

The two-wire transmitter is designed to be mounted on a flat surface or in a thermocouple head.



TERMINAL CONNECTIONS

Connect the power supply and signal leads as shown.



SR2101

SR2300

SR2400 & SR2401

SR2800

CALIBRATION

Be sure the desired range card is inserted in the unit. The range card label and the Two-Wire transmitter label are color coded. Be sure the colors match.

Connect a signal source to the input screw terminals. Plug an accurate current meter into the test points* to monitor the output current (4 to 20 mA).

Set the calibrator for Zero Scale output and adjust the ZERO control for 4.000 mA output. Set the input signal to Full Scale and adjust the SPAN control to 20.000 mA output. Repeat both adjustments until both levels are accurate. There is a slight interaction between the controls.

Disconnect the calibrator and connect the input wires to the screw terminals.

Changing Range Cards requires recalibration of the unit.

*The test points are across a silicon diode and the meter must not drop more than 250 mV or it will not read accurately.

MOUNTING

The Silver Series SR2000 can be mounted in a connection head (TSH-A6L), explosion-proof housing (XJAY), or on a flat surface using the two 4.5 mm diameter mounting holes provided. Standard 33 mm hole center spacing allows for mounting in most connection heads. The 5.08 mm center hole allows clearance for input wiring or for a 3/16 diameter temperature probe.

An optional DIN-Rail mounting kit is available (DMP2000).

SPECIFICATIONS

OUTPUT RANGE

4/20 mA

MAX LOAD RESISTANCE

= [(V supply - 10)/20 mA] kilohms

COMMON MODE REJECTION

120 dB, DC to 60 Hz

OPERATING TEMPERATURE

-13°F to 176°F/-25°C to 80°C

SUPPLY VOLTAGE EFFECT

0.02% of span max, 10 to 36 V

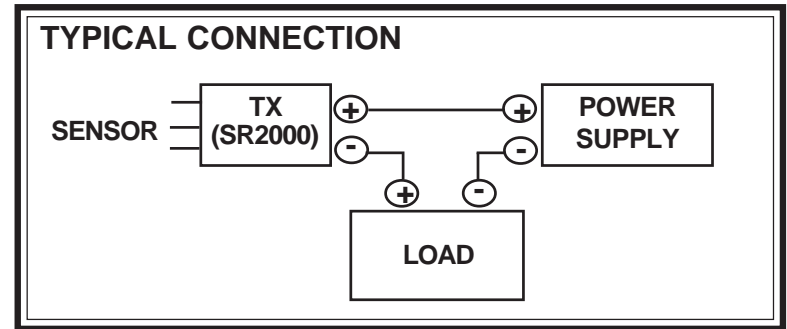
POWER

10 to 36 VDC Polarity Protected

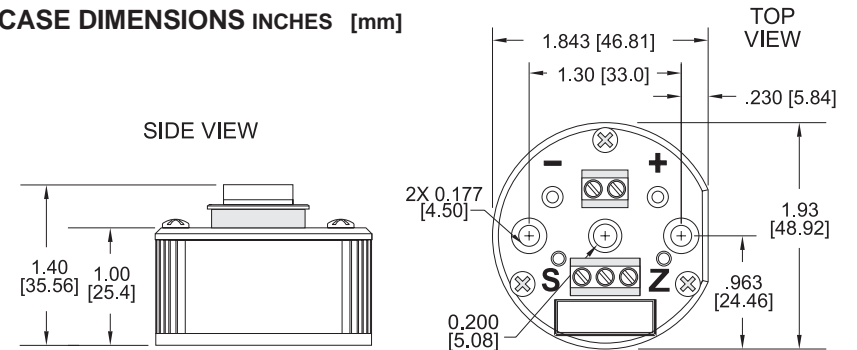
WARRANTY

The SR2000 series of products carry a limited warranty of 5 + 5 years. In the event of a failure due to defective material or workmanship, during the 5 year period, the unit will be repaired or replaced at no charge.

For a period of 5 years after the initial 5 year warranty, the unit will be repaired, if possible, for a cost of 10% of the original purchase price.



CASE DIMENSIONS INCHES [mm]



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