

## 191544 ISOLATOR INSTRUCTIONS

### INTRODUCTION

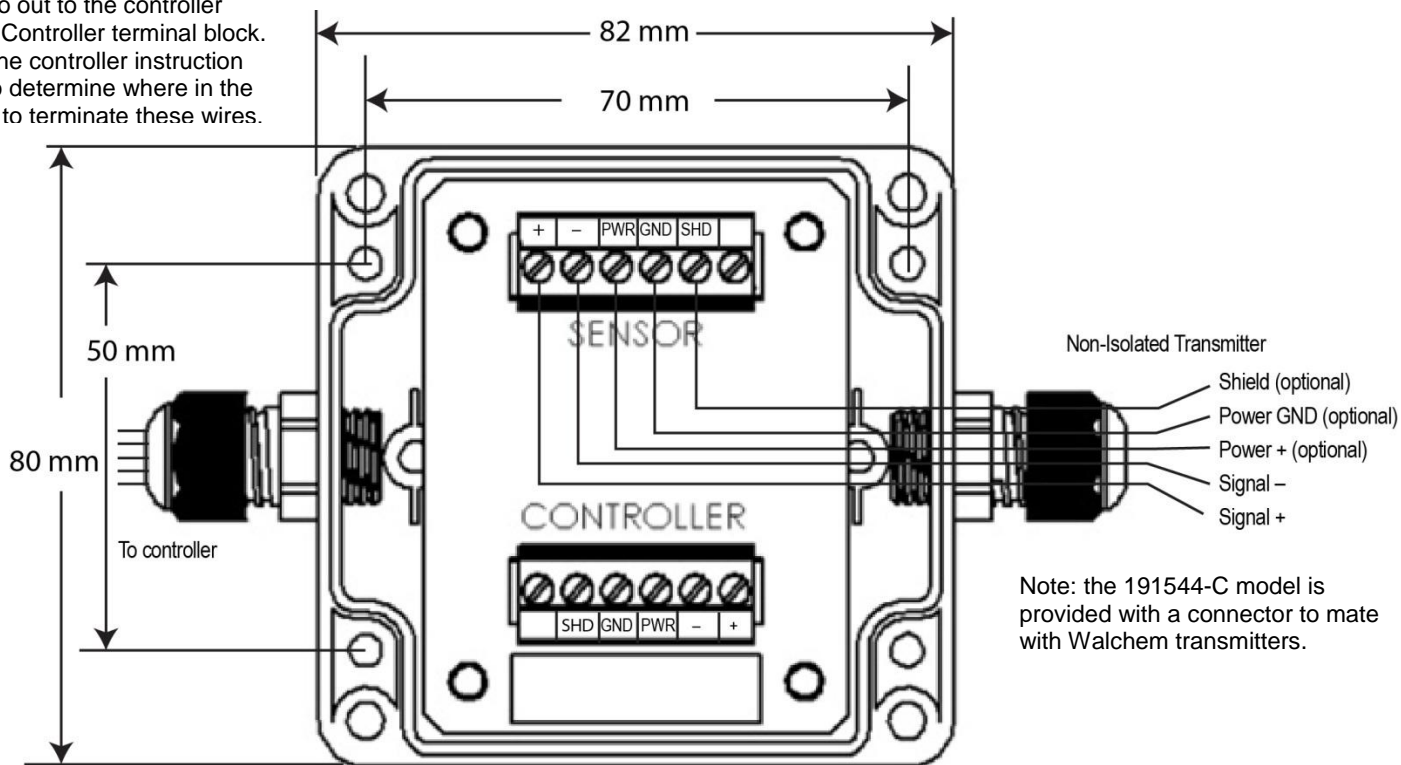
The 191544 Isolator is used to provide an isolated 4-20 mA signal to Walchem controllers when the transmitters connected are non-isolated. This device works with two, three or four wire transmitters, whether the loop is externally or internally powered.

It will not work with two-wire loop powered transmitters (where the only power to the transmitter is provided by the 4-20 mA loop).

### WIRING

Feed your cables through the cable glands. Strip back the individual wires of each cable

The same signals that come into the isolator from the transmitter need to go out to the controller using the Controller terminal block. Refer to the controller instruction manual to determine where in the controller to terminate these wires.



Note: the 191544-C model is provided with a connector to mate with Walchem transmitters.

### SPECIFICATIONS

Nominal Input Resistance	250 ohms
Operating Range – Input	0-40 mA (Damage can occur at more than 40 mA)
Operating Range - Output	0-40 mA
Signal Input Voltage Range	7.5-32 VDC
Maximum Loop Impedance	750 ohms
Operating Temperature	0-80 °C (32-176 °F)
Maximum Isolation	3000 VDC