



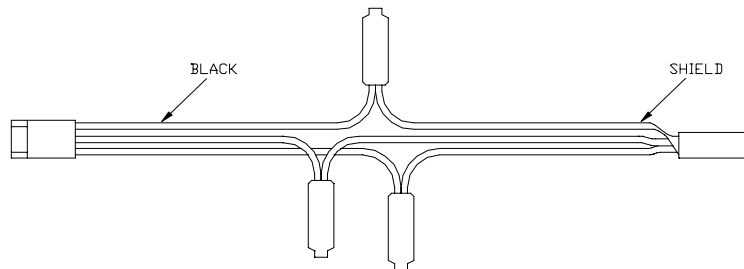
Model 23A00-1 Surface Remote Temperature Sensor

DESCRIPTION

The Model 23A00-1 is a surface mount temperature sensor that can be installed on your existing RC-Series Omnistat to monitor the temperature from a remote location. This will allow a customer to monitor the temperature of an area without a thermostat visible. The thermostat, or group of thermostats, could be in a different location offering the customer complete control of temperatures.

INSTALLATION

1. Install Omnistat base in selected thermostat location and connect to heating/cooling equipment per manufacturer's instructions. Connect thermostat to base and confirm that everything operates correctly.
2. Disconnect the thermostat from the base. Locate the 3 solder holes on the lower right side of the thermostat PCA marked J4.
3. Using a clean soldering iron and safety glasses, carefully solder the supplied connector to the soldering holes as shown.
4. Run a twisted pair, shielded cable from the Omnistat to the Remote Temperature Sensor location. For distances up to 100 feet, typical twisted pair, PVC-insulated, shielded cable may be used. For distances from 100-150 feet, twisted pair with polypropylene insulated conductors, shielded must be used. For distances from 150-250 feet, twisted pair with foam-polyethylene insulated conductors, shielded must be used. Wire runs must not exceed 250 feet.
5. Open cover to the Model 23A00-1 Remote Temperature Sensor. Connect the data wires of the shielded cable to the terminal block on the temperature sensor.
6. Wrap the shield around the jacket of the cable and tape.
7. At the Omnistat location, connect the Black conductor of the supplied cable to the shield using the supplied wire splices. Connect the Green conductors of the supplied cable to the data wires using the supplied wire splices.



8. Carefully clip off the existing thermister (temperature sensing device) from the thermostat using a pair of wire cutters as shown.
9. Connect the supplied cable to the installed connector (J4) on the Omnistat.
10. Reconnect thermostat to the base and confirm that the thermostat is displaying the proper temperature.

SPECIFICATIONS

Dimensions: 2W x 1.5H x 1D

(Connections Diagram on Next Page)

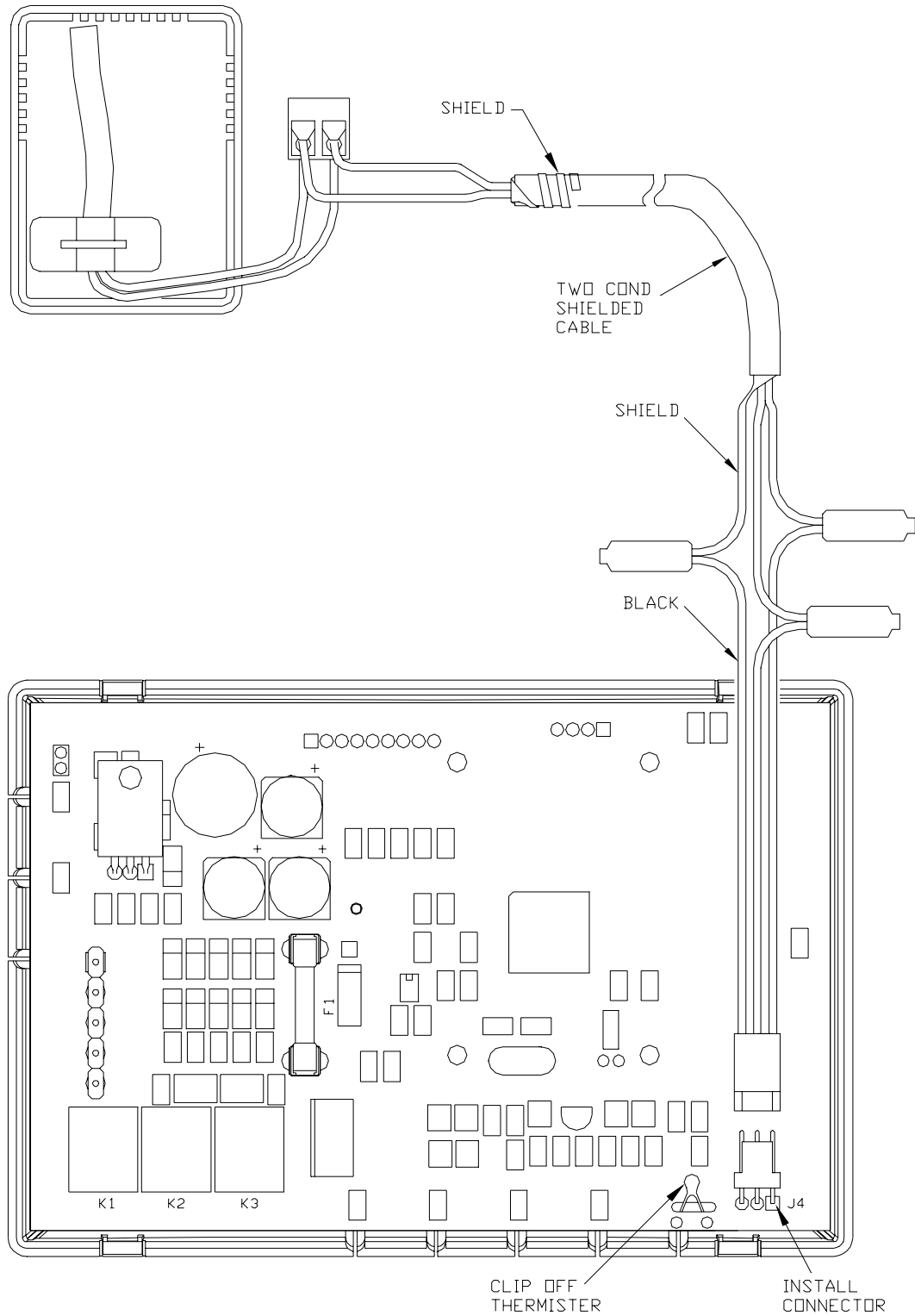


FIGURE 1
OVERALL INSTALLATION DIAGRAM