

Installation

WHEN INSTALLING THIS PRODUCT...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced serviced technician.
4. After installation is complete, check out product operation as provided in these instructions.



CAUTION

Disconnect power supply before making wiring connections to prevent electrical shock or equipment damage.

SENSOR LOCATION

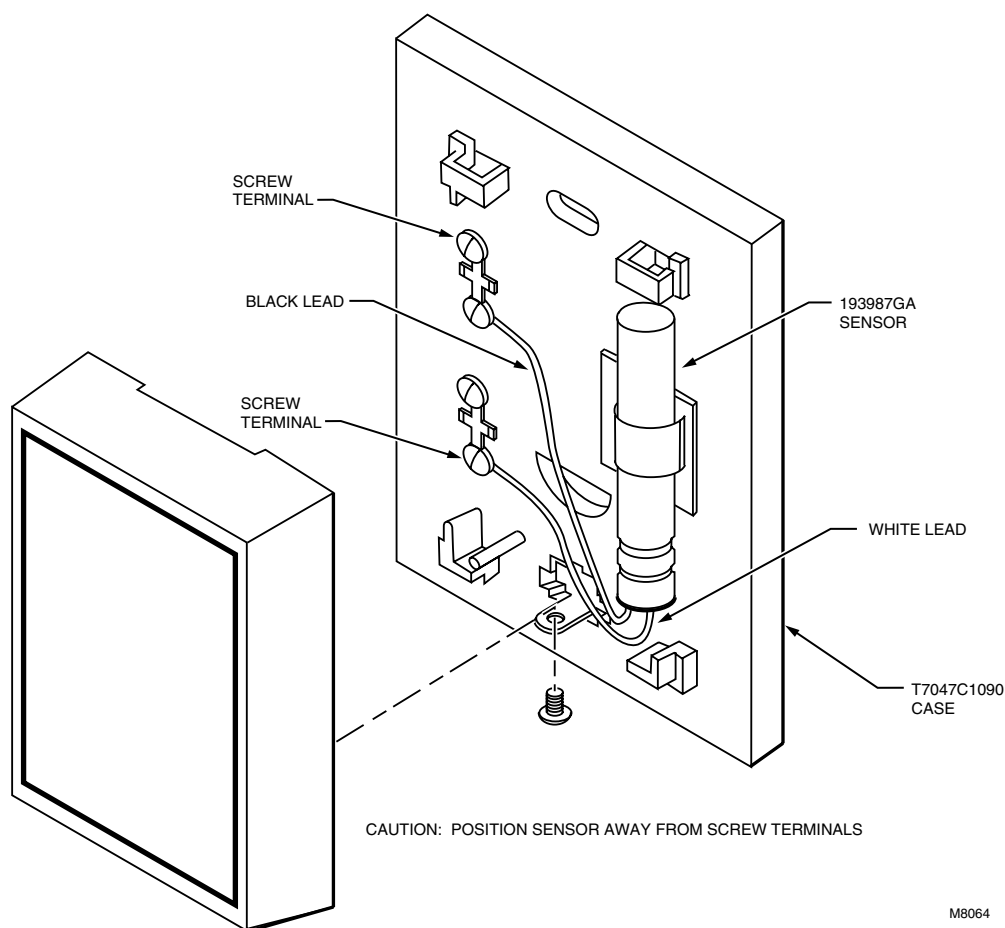
The 193987GA Sensor can be located up to 1000 feet [304 meters] from the T775/T7075 using standard AWG 18/2 unshielded wire. It can be located on pipes, in immersion wells, in wall-mounted cases or on a bulb holder.

SENSOR MOUNTING

The sensor can be mounted on a wall or panel for sensing space temperatures (see Fig. 2), strapped to a pipe (see Fig. 3), or inserted in a well (see Fig. 4) for hot/cold water sensing, or taped to a standard cap or bulb holder for duct air sensing (see Fig. 5).

NOTE: Use heat conductive compound in immersion wells.
See Optional Accessories.

Fig. 2—Sensor mounted on wall.



M8064

Fig. 3—Sensor strapped to hot/cold water pipe.

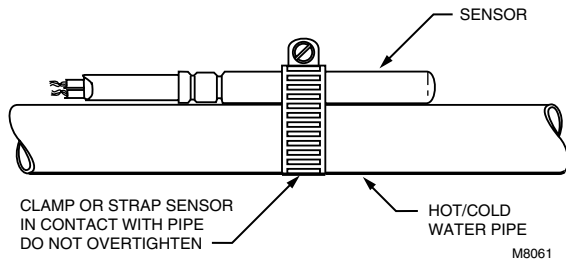


Fig. 4—Sensor inserted in immersion well.

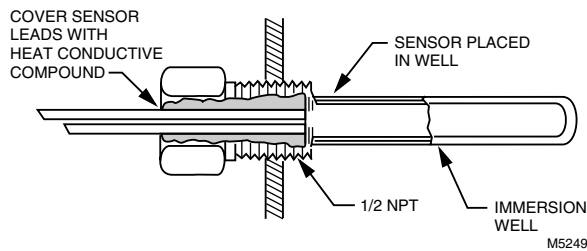
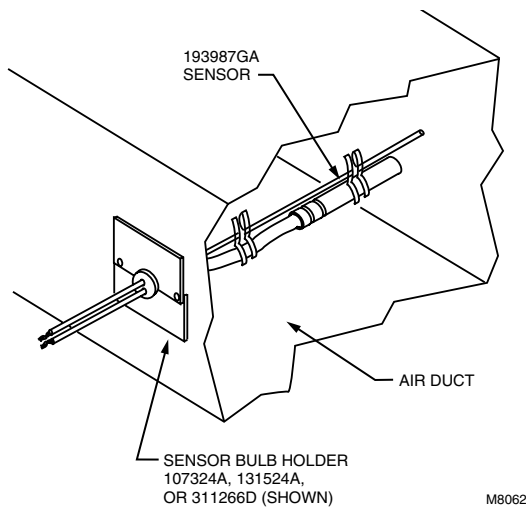


Fig. 5—Sensor mounted in air duct.



CAUTION

When mounting the sensor, position it so that condensation cannot run down the lead wire into the sensor capsule. See Fig. 2.

MOUNTING SENSOR IN T7047C CASE

1. Run wires from T775/T7075 through wall.
2. Mount case to wall with screws provided.
3. Connect wires from the T775/T7075 to two T terminals on the T7047C1090 case.

4. Cut and strip 193987GA sensor leads to 3/4 in. length and connect to screws at T terminals in case.

5. Position sensor as in Fig. 2, assemble cover and tighten cover screws.



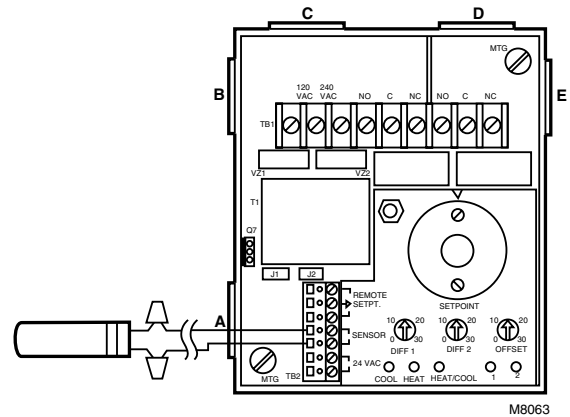
CAUTION

Make sure that metal tube of sensor does not short against T terminals in wall-mounted case.

WIRING

1. Disconnect power supply before making wiring connections to prevent electrical shock or equipment damage. All wiring must agree with local codes, ordinances and regulations. Wire the 193987GA to the T775/T7075 using the procedures and diagrams outlined with the controller. Keep wiring runs as short as practical, and less than 1000 feet [304 meters]. A general wiring hookup is shown in Fig. 6. For specific limitations and wiring diagrams, refer to the instructions provided with the controller used with this sensor.

Fig. 6—General wiring hookup for the 193987GA Sensor and T775/T7075 Controller.



IMPORTANT: Erratic temperature readings from the 193987GA Sensor can be caused by poor wiring practices that must be avoided to assure proper operation:

- a. Do not route temperature sensor wiring with building power wiring.
- b. Do not locate temperature sensor wiring next to control contactors.
- c. Do not locate temperature sensor wiring near electric motors.
- d. Do not locate temperature sensor wiring near welding equipment.

Use shielded cable if any of the above conditions cannot be avoided.