

**INSTALLATION INSTRUCTIONS FOR THE TEMPERATURE SENSOR KIT (21W07; 101045)  
USED WITH LG/LC/LG & SG/SC UNITS**

**Shipping and Packing List**

**Package 1 of 1 contains:**

- 1 - Sensor (A2)
- 2 - Screws

*IMPORTANT - Use 22AWG minimum, 1 twisted pair shielded cable (100% aluminum shield with drain wire, Teflon jacket). Lennox P/N's 94L63, 27M19, 68M25, and Belden type 88761 are equivalent.*

**⚠ WARNING**

**Personal injury, loss of life, or damage to property!**  
Installation and service must be performed by a qualified installer or service agency.  
Improper installation, adjustment, alteration, service or maintenance can cause personal injury, loss of life, or damage to property.

**Sensor Location**

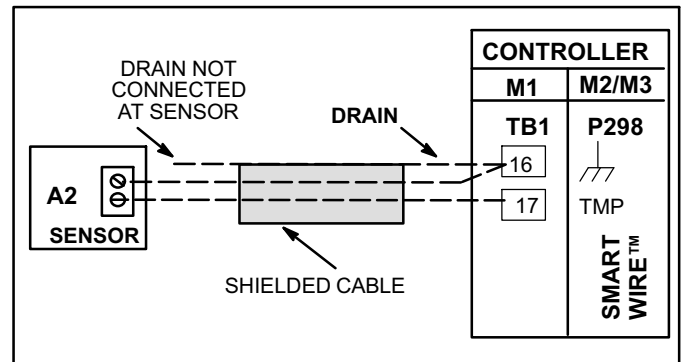
Install sensor on a standard handy box or directly on wall. Locate sensor in conditioned space approximately 5 feet (1-1/2m) above the floor in an area with good air circulation at average temperature. Avoid locating the room thermostat where it might be affected by:

- drafts or dead spots behind doors and in corners
- hot or cold air from ducts
- radiant heat from sun or appliances
- concealed pipes and chimneys

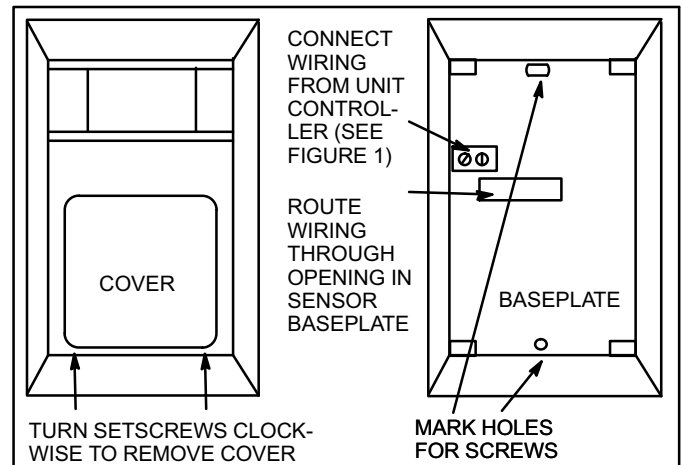
**Installation**

1. Route cable from rooftop unit to an appropriate location in the conditioned space. Make wire connections to unit as shown in figure 1.
2. Loosen setscrews (turn clockwise) and remove sensor cover (see figure 2).
3. Center opening in baseplate or over opening in wall.
4. Mark holes for screws (see figure 2). Remove baseplate and drill holes.
5. Insert wall anchors (field provided) and align baseplate over opening in wall. Pull wiring through opening in baseplate. Secure baseplate to wall with screws.
6. Connect wiring to sensor as shown in figure 1.

7. Replace sensor cover and either tighten side screws or turn setscrews counterclockwise to secure cover in place.



**Figure 1. Sensor Wiring**



**Figure 2. Temperature Sensor (A2)**

**Checkout**

Verify the zone sensor operation by using one of the following to read the temperature:

- L Connection PC software
- NCP (A105)
- Unit Controller (A55; M1, M2 or M3)

**Display zone sensor reading on the controller M1 Unit Controller:**

1. Turn the "TMP" DIP switch ON.
2. Press the pushbutton 4 times. The IMC readout will alternate between A2 (output being read) and the temperature.
3. Refer to the controller manual for more detail.

**M2 Unit Controller:**

1. Use the scroll buttons to locate **DATA ->SENSORS -> ZAT**.
2. The Zone Air Temperature (ZAT) will be displayed (e.g. ZAT:79F).

**M3 Unit Controller:**

Refer to the controller manual for more details.

1. Use the scroll buttons to locate **DATA > IN/OUTPUTS > SENSORS > NETWORK > ZAT**.
2. The Zone Air Temperature (ZAT) will be displayed as example: ZAT: 79.0 F

Refer to the controller manual for more details.