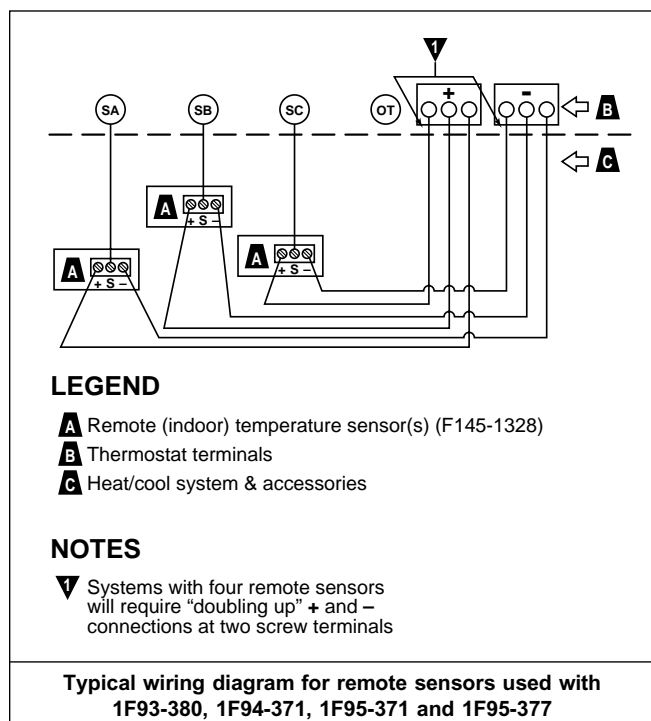## Remote Temperature Sense Wiring

Up to three remote sensors (part #F145-1328) can be attached to this thermostat to sense indoor temperature at locations away from the thermostat. Each sensor may be located as far as 300 feet away from the thermostat. When operating with remote sensor(s), the thermostat will calculate an average of the sensed temperatures in all enabled sensor locations (A, B, C, and/or L), then display the average temperature as the room temperature.

To assign priority to a sensor, press **PROGRAM** VIEW and advance to the time period you wish to modify. Then press the **VACATION** key. On the display the priority of the sensor and the sensor identification will appear. Press the **VACATION** key to step through the sensors that are installed and enabled L (local), A, B or C. Only sensors that are installed and enabled will be listed. When the sensor you wish to change is displayed, press the **DAYLIGHT SAVING TIME** key to change the priority (AVG, HI or LO). AVG is the default setting. A setting of HI gives a sensor more importance and a setting of LO gives less importance. Press **RUN** to return to the program.

Installation of the remote sensor requires 20 gauge, three-conductor shielded thermostat wire. The thermostat and remote sensor must be wired so that terminals "+", "S", and "–" on the sensor match up correctly with "+", "S", and "–" or "S1", "S2", and "S3" on the thermostat.

After wiring, the remote sensors must be turned "ON" in the Installer Menu (last 4 steps).

LEGEND

A Remote (indoor) temperature sensor(s) (F145-1328)
B Thermostat terminals
C Heat/cool system & accessories

NOTES

▼ Systems with four remote sensors will require "doubling up" **+** and **–** connections at two screw terminals

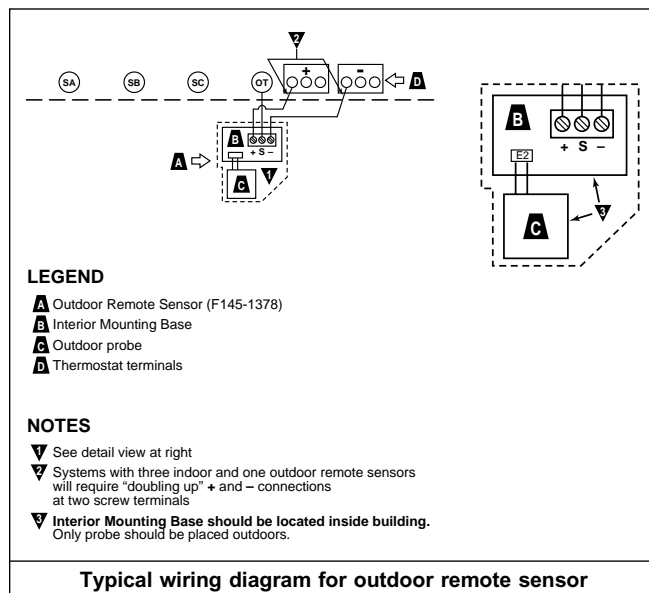**Typical wiring diagram for remote sensors used with 1F93-380, 1F94-371, 1F95-371 and 1F95-377**

Displaying Outdoor or Remote Sense Temperatures

After enabling the sensor(s) in the appropriate menu, press the light button 2 times slowly (but within 2 seconds). This will display the first of the enabled sensors. Press the light button again to see the next enabled sensor temperature.

Outdoor Temperature Sense Wiring

Installation of the interior mounting base requires 20 gauge, three-conductor shielded thermostat wire. The thermostat and interior mounting base must be wired so that terminals "+", "S", and "–" on the base match up correctly with "+", "OT", and "–" on the thermostat.

After wiring, turn the outdoor remote sensor "ON" in the User menu (step 8).

LEGEND

A Outdoor Remote Sensor (F145-1378)
B Interior Mounting Base
C Outdoor probe
D Thermostat terminals

NOTES

▼ See detail view at right
▼ Systems with three indoor and one outdoor remote sensors will require "doubling up" **+** and **–** connections at two screw terminals
▼ **Interior Mounting Base should be located inside building.** Only probe should be placed outdoors.

Typical wiring diagram for outdoor remote sensor

X-10 Wiring

Optional Activate RUN PRG By Telephone
With the optional X-10 Telephone Responder (Model TR551, Radio Shack catalog RSD#10037778) and Universal Low Voltage Module (UM506, Radio Shack catalog RSD#1037752) installed, you can make a telephone call to run your program if the thermostat has been set to HOLD or VACATION HOLD.

The switch on the Universal Low Voltage module must be set to MOMENTARY position.

1 Thermostat terminals
2 X-10 Universal Low Voltage Module
3 X-10 Telephone Responder Module
4 To 115 VAC power source
5 To telephone line

Typical wiring diagram for optional X-10 connection

TECHNICAL HELP