

Installation Instructions

Instructions for the Installing Contractor

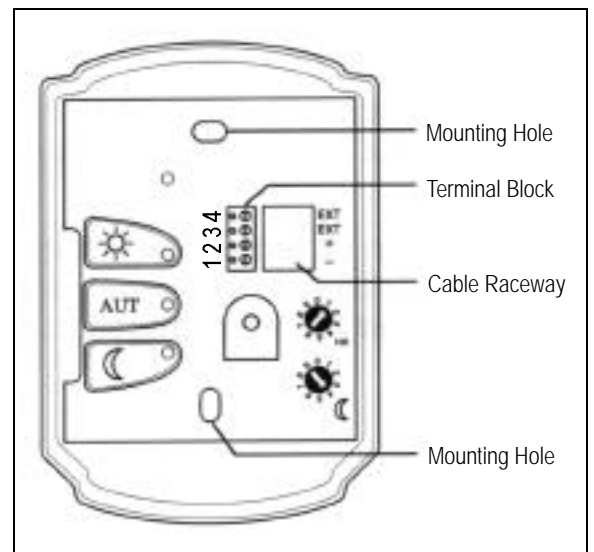
1) General Information

The room sensor must be located in the constant circulation zone. Place the room sensor in a neutral position on an inside wall and away from external and internal heat sources. Thermostatic heads (if present) should be fully opened. Place the room sensor in the general living area placed on constant circulation. Ensure that all secondary zones are sufficiently radiated so that these areas will reach acceptable temperature levels using conventional thermostats. Provide additional radiation where necessary.



2) Installation

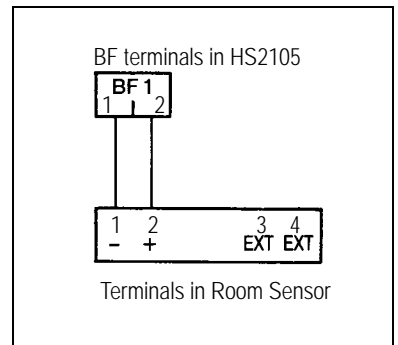
- Install the room sensor on an interior wall about 4 to 5 ft. off the floor.
- Carefully remove the front cover with a screwdriver.
- Secure the rear panel with the screws supplied to the wall.
- Ensure that the lower and upper air passages of the room sensor are not blocked.



3) Electrical Connection .

- Use #18 24V wire (2 strands) and do not exceed a total length of 150 ft.
- Do not run wiring parallel to line voltage wiring.
- Disconnect the electricity to the HS2105 control panel.
- Connect the room sensor to the HS2105 per schematic shown.

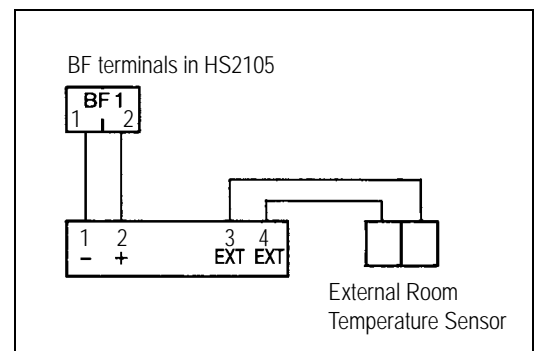
Wiring of room sensor with built-in temperature sensor (standard version) shown top right.



A temperature sensor is factory installed in the room sensor.

A remotely mounted temperature sensor is available and must be connected to the EXT terminals in the room sensor.

Wiring of room sensor with remotely mounted temperature sensor shown at right.



The following settings are made on the inside of the room sensor at time of installation.

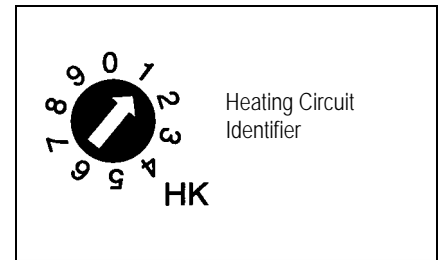
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4) Heating Circuit Selector Dial HK .

This dial identifies to the HS2105 control to what circuit the room sensor is connected.

The factory setting is 1.

- Change to 2 if room sensor is connected to the circuit controlled by Module FM 241 (mixing valve module).



5) Night Setback Dial .

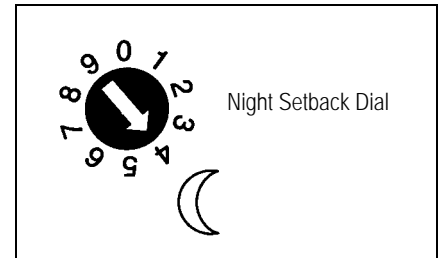
The night setback is selected as a difference from the day temperature set on the front of the room sensor. This setting is performed at the time of installation. It is not recommended to change this valve. The heating system operates then with fixed temperature difference between day and night which will lead to equal recovery times for different outside temperatures.

The factory setting is 4°C (7°F).

The 0 setting corresponds 18°F (10°C).

For other night setback values, refer to the Table:

Setback Dial Setting	1	2	3	4	5	6	7	8	9	0
Night Setback in °F	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18



The room sensor maintains an absolute minimum temperature of 50°F (10°C) to prevent pipes freezing.

6) Special Function.

The EXT terminals in the room sensor can be used for a single on-demand push button to fire the DHW tank and to run the DHW recirculation pump (if connected) for 3 minutes. An external temperature sensor can not be connected.

Wiring for built-in temperature sensor with remote DHW activation switch shown at right.

