

SCHWANK TRUTEMP INFRARED SET BACK THERMOSTAT

GENERAL SPECIFICATION

Infra-red heating comfort control shall be provided by Schwank TruTemp infrared set back Thermostat. Thermostat shall control sensible comfort temperature achieved by measuring and averaging the mean radiant temperature and the air temperature with two separate sensors. The radiant sensor shall sense mean radiant temperature in the space in a hemispherical pattern.

The thermostat will be comprised of a flat black coated metal hemispherical dome that will attach to a mounting plate using one metal screw. All control circuitry and comfort temperature selection controls will be mounted inside of the metal dome enclosure to protect the circuitry and provide resistance to tampering with temperature settings.

Thermostat shall include a built-in 5C° (9F°) set back feature for unoccupied condition. Automatic set back to be controlled by an occupancy sensor. Set back to be free of programming to time constraints such as time of day or day of week. The occupied condition sensor is based on the occupied lighting level within the space and shall be adjustable to suit site lighting conditions. To accommodate the condition where set back is not required, the thermostat shall include a set back over-ride switch.

Temperature setting shall be indicated in both Fahrenheit and Celsius scales. Range 5°C to 40°C (40°F to 104°F).

Thermostat shall mount on standard 4" x 4" electrical octagon box and operate by means of 24 VAC 3 wire conduit. The outside of thermostat shall have a high emissivity coating. To discourage tampering, all internal components and setting controls are not to be visible nor accessible from external view.

Optional:

The thermostat hemispherical cover shall be locked by use of tamper proof fasteners and a special tool supplied by Schwank.