

The V8-BB-7S

Electronic Programmable Occupancy
Sensing Thermostat

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General Information:

The V8-BB-7S Model by Verdant is a unique 7-day programmable thermostat that features occupancy sensing and innovative energy saving features. The built-in occupancy sensor uses a combination of motion and thermal sensing technologies for 100% reliable occupancy detection that allows for ultimate energy savings when the room is unoccupied and no heat is required. Perfect for hotels or residential use, the set points can be adapted to your needs for short or long vacancy occupancy settings, and includes configurable maximum set point limits.

The 7-day programming allows for personalized or pre-programmed settings. Unique easy-to use non-programmable mode can also be utilized for even greater flexibility. Two equipment modes are included: fan-forced heaters or baseboard and radiant heaters.

Architectural Information:

The electronic occupancy sensing thermostat shall be ETL listed. The line voltage temperature control shall be digital with LCD display. "Triac switching action" eliminates RF line noise. The control shall be capable of switching loads of 12.5 amps at 240 VAC. LCD display shall show time of day, actual room temperature, and heating-strength-meter and/or fan activity indicator. Two (2) independent equipment modes shall allow selecting operation mode for controlling different heating equipment. "Radiant" mode, designed for use with baseboard and radiant heaters, shows heater power consumption with on-screen heating-strength-meter. "Fan-forced" mode, for use with fan-forced convector heaters, shows fan activity by displaying animated fan indicator. Programming choices shall be 7-day with 4 daily settings, or non-programmable.

Occupancy sensing shall have "Short Vacancy," which reduces temperature set point by specified number of degrees within 0-99 minutes after room becomes unoccupied (once room occupancy is detected again, temperature set point shall be restored); and "Long Vacancy," which reduces temperature set point by specified temperature after room has been unoccupied for 1-12 hours. Occupancy sensing range shall be approximately 30 feet, with a beam width within 152 degrees.

FEATURES AND BENEFITS

- Occupancy detection allows maximum energy savings!
 - Short Vacancy: Reduce temperature set point by a few degrees minutes after room becomes unoccupied, and instantly start saving energy. Once room occupancy is detected again, set point is restored to maintain desired comfort level.
 - Long Vacancy: Eliminate unnecessary energy consumption by dropping to set point after room has been unoccupied for a specified number of hours.
- Digital temperature sensing with accuracy of 0.3F (.015C) minimizes temperature swings for greater comfort.
- Use with 120/208/240V in-wall electric fan heaters, electric baseboards, or radiant heaters.
- 7-day programming with 4 time periods, includes convenient COPY option for daily settings to simplify setup.
- Easy push button override and hold options.
- Configurable maximum temperature set point limits: ideal for commercial applications.
- Backup memory stores program settings, and clock backup feature prevents clock resets during short power outages.
- Non-programmable mode: turns thermostat into an easy-to-use, non-programmable thermostat if desired.
- TRIAC control ensures silent operation.
- Large LCD Screen with backlight temperature display, time of day, and temperature control parameters. On-screen heating-strength-meter and fan activity indicator show heating equipment activity at all times.
- Two equipment modes allow selecting the right operation mode for controlling fans or baseboards, for optimum heater performance.
- Single Pole (2 wire)

Carton Details

Product

DIMENSIONS | 5"W x 5"H x 1.25"D

Single Carton

DIMENSIONS | 5.5"W x 5.5"H x 2"D

Case

DIMENSIONS | 13.25"W x 12.75"H x 2.125"D

UPC Code

Part#	Model#	Description	Wt./Lbs	Case Qty
027418	72836 4	V8-BB-7S Boxed Electronic Programmable Occupancy SP, 12.5A, 120V/208V/240V	1	24



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