



Power Base Installation Instructions for PB112-120GA and PB112-240GA

Introduction

This power base is designed to power a 500650 or 500550 FloorStat front panel module. Refer to the technical specifications for maximum resistive load. The PB112 power module includes a remote input which allows, when a signal is received, switching from comfort mode to vacation mode and vice versa.

Material

- One (1) power base
- Two (2) 6-32 screws 1-1/4 in.
- Four (4) solderless connectors for copper wires

NOTE: Special CO/ALR solderless connectors must be used when connecting with aluminum conductors.

- One (1) temperature sensor with a 15-ft. (4.5-meter) extension and one (1) flat-tip screwdriver.

Installation Guidelines

Turn off power to the heating system at the main power panel to avoid electrical shock. Keep the FloorStat's air vents clean and free from obstructions. Installation should be carried out by electricians or experienced technicians.

- High voltage FloorStat must be installed onto an electrical box.
- For a new installation, choose a location about 5 ft. (approximately 1.5 meters) above the floor, with good air circulation.
- The FloorStat must be installed facing the heating system.
- The FloorStat must be installed on an inside wall.
- Avoid locations where there are air drafts (top of staircase, air outlet), dead air spots (behind a door), direct sunlight or concealed chimneys or stove pipes.

Fig. 1.

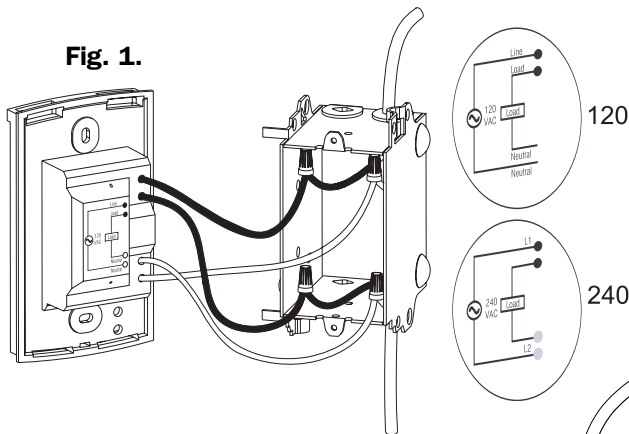
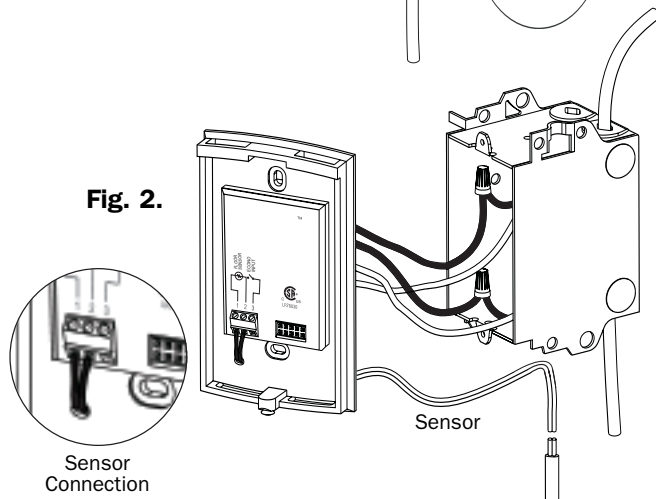


Fig. 2.



Installation Steps

REFER TO WIRING DIAGRAMS BELOW LEFT.

1. Connect the rear FloorStat wires (**Fig. 1**) to the power and to the load using solderless connectors for copper wires.

Floor Heating Probe (**Fig. 2**)

1. Introduce probe into one of the two holes available below the terminal board.
2. Connect the probe wires to terminals 1 and 2 on the power base.

Note: No polarity needs to be respected.

3. The probe cable must pass **outside** the electrical box and follow the wall down to the floor.

The temperature sensor wire cannot cross any heater wires and the sensing probe must NOT be directly on or adjacent to a heating wire.

For maximum performance, the sensor probe should be centered between the wires in the mat.

2. Push the excess wire (except for the probe) back into the electrical box to prevent interference with the FloorStat.
3. Secure the FloorStat using two (2) 6-32 screws. Once the FloorStat is properly installed, return power to heating system.

Technical Specifications

Model	Supply	Max. Load	Power	Connections	GFCI
120GA	120 VAC, 60Hz	15 A	1800 W	4w/SP	5 mA
240GA	240 VAC, 60Hz	15 A	3600 W	4w/DP	5 mA

Connection type: 4w = 4 wires, SP = single pole, DP = double pole.

Storage: -4°F to 120°F (-20°C to 50°C)

GFCI: 5 mA

Remote Input: Yes

Size (H x W x D): 4.89 x 2.76 x 0.91 in (124 x 70 x 23 mm)

Certification: CSA/C, US

Warranty

WATTS RADIANT, INC. ONE (1) YEAR LIMITED WARRANTY

This product is warranted against material defects and workmanship in normal use for a period of one year, from the date of the original purchase from authorized dealers. During this period, Watts Radiant, Inc. will repair or replace the product with a new or of equivalent quality at Watts Radiant, Inc. option, without charge, any product proven defective in normal use. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage. This warranty does not cover the cost of installation, removal or reinstallation.

This limited warranty is in lieu of all other warranties, obligations or liabilities expressed or implied by the company. In no event shall Watts Radiant, Inc. be liable for consequential or incidental damages resulting from installation of this product. Some states or provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

The defective product and the original sale receipt must be returned to the original dealer or shipped pre-paid, insured, and addressed to:

Watts Radiant, Inc.
4500 E. Progress Place
Springfield, MO 65803-8816

If you have any questions concerning the installation or programming of this product, please call technical assistance at **800-276-2419**.