SSHC, INC.
ENERJOY RADIANT PEOPLEHEATER®

TSSHC-3IL -2 -4 AS or FS

MAXIMUM COMFORT AND CONTROL IN HEATING

TSSHC-3IL -2 -4 AS or FS
Installation Instructions/User guide

Type 3IL with air sensor or floor sensor

TSSHC-3IL is an electronic heating thermostat designed to be installed in a standard single gang electrical box and requires no maintenance.
A **LED** illuminates to indicate call" for heating, this also aids in system testing. An ON/OFF selector switch on the front of the cover makes system operation extremely simple.

PRODUCT LINE
TSSHC-3IL with 16A relay switch, °F
240 V supply (-2)

TSSHC-3IL-2FS	UDF with floor sensor
TSSHC-3IL-2	UDF with built-in sensor

120 V supply (-4)

TSSHC-3IL-4FS	UDF wtth floor sensor
TSSHC-3IL-4	UDF with built-in sensor

TSSHC-3IL with 16A relay switch, °C
240 V supply

TSSHC-3IL-2CFS	UDC with floor sensor
TSSHC-3IL-2C	UDC with built-in sensor

APPROVALS (only 120 Vac and 240 only)
3IL thermostats are UL and cUL Listed and meet UL8730-1 and UL8730-2-9 standards for temperature indicating and regulating equipment.

WARNING
The system may not be energized unless the system is installed according to this installation and the installation meets all applicable codes. Warranty is void if not installated according to this instruction and proper procedure.

TECHNICAL DATA
Power supply (model dependent)
..... 120 and 240 Vac ±1 0% , 60 Hz

Output relay, SPST.....16A

Built-in switch.....2 pole,16A

Ambient operating temperature
…….....32-122°F (0-50°C)
Scale limitation....minimum and maximum
Scale range.....50-122°F (10-60°C)
Temperature setback……not available
On/Off differential.....0.7°F 80.4°C
Enclosure.....IP20
Dimensions(HXWXD)....4.5"X3.3"X2.0"
..... (1 15X84X50 mm)

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FLOOR SENSOR INSTALLATION (where applicable)
The sensor shall be mounted in a conduit which should be sealed and placed as high as possible in the concrete, etc. The sensor is UL and cUL approved regarding the isolation test. The sensor wiring may be extended up to 150' (50 m) using 18 gauge wire and the wiring resistance shall not exceed 20 ohms. Sensor wires must be kept in a separate conduit, away from all other wiring. The sensor and wires must be protected from damage during the installation. If shielded wire is used, it must not be grounded but connected to terminal 6 on the thermostat.

ERROR DETECTION (floor sensor model only) The 3IL has built-in error detection which will de-energize the heating circuit if the sensor is damaged or if it detects an open or shorted sensor circuit.

CAUTION!
Disconnect all electrical power prior to installing or servicing this unit.

THERMOSTAT INSTALLATION (fig. 1-3)
1. Remove thermostat knob, noting the position (A).
2. Loosen screw to remove frame and cover (B).
3. Attach wiring from the rear of the thermostat according to the wiring diagram (fig. ???)
4. The thermostat is mounted in a single gang electrical box - re-install frame and cover - re-install the knob in the proper position

TEMPERATURE SETTING/ADJUSTMENT
Adjust the temperature knob to the desired room or floor temperature, if after a few days you find the temperature to be different from the setting, adjustment can be made as follows: Measure the room temperature with thermometer, remove the knob without rotating it, then reposition the knob according to the measured temperature on the scale and re-install it.

MAXIMUM/MINIMUM TEMPERATURE LIMITATIONS
Behind the knob there are red and blue locking rings held in position by a screw. To set the limitations, loosen the screw (C) and adjust the red limit ring to the desired maximum, set the blue ring to the desired minimum temperature, then retighten the screw. The knob must be reinstalled exactly as it was removed.

Fig. 1

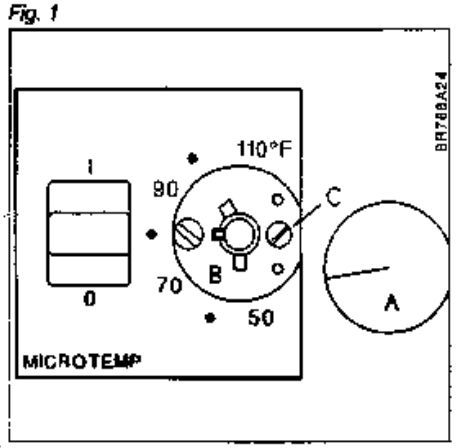


Fig. 2

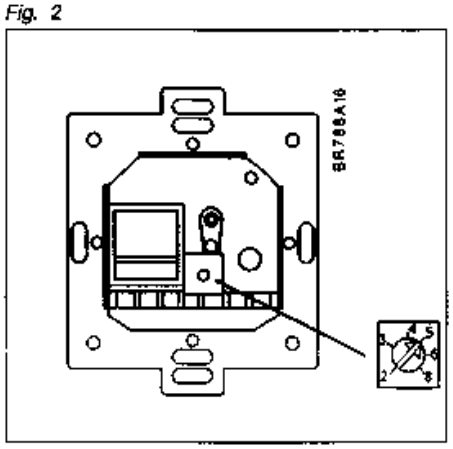


Fig. 3

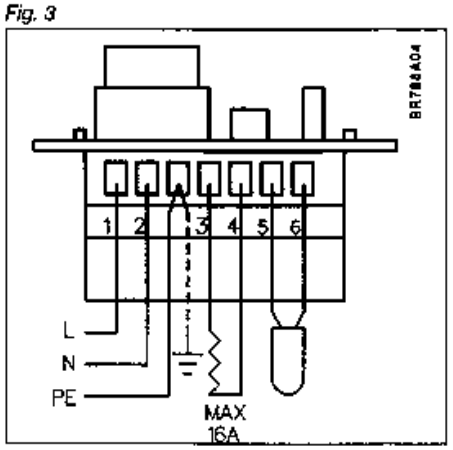
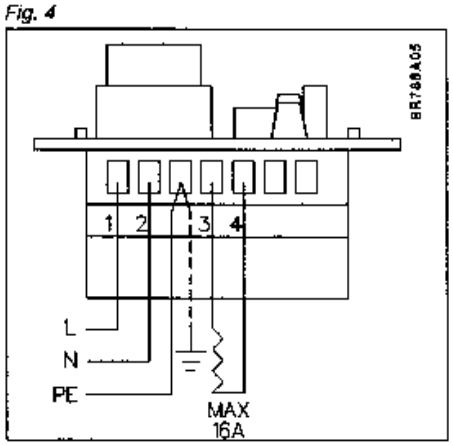


Fig. 4



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