INSTALLATION / OWNER'S MANUAL

Schwank
INNOVATIVE HEATING SOLUTIONS

infrasave
radiant heaters

TruTemp®
INFRARED SETBACK STAT

CERTIFIED®

DESIGN CERTIFIED®

Member of the International Schwank Group,
Companies in: Germany, Netherlands, France, United Kingdom, Austria, Belgium, United States and Canada.
Licensees Worldwide.

TruTemp Manual
IM080326
RD: Aug 2006
RL: 3C
KH

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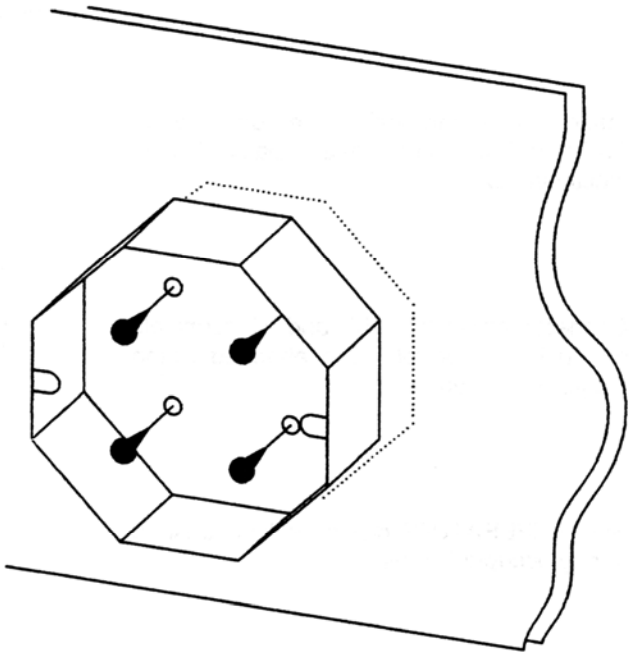
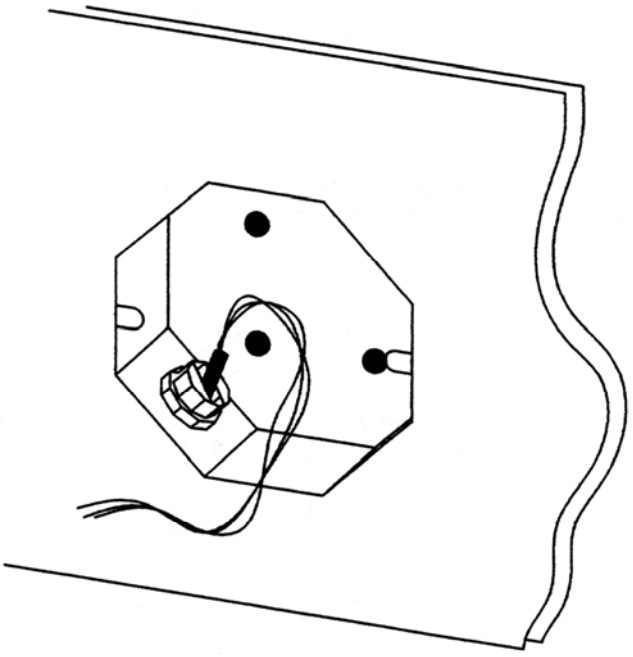
1. Control should be located away from direct radiant heat (also consider other sources of radiant heat such as sunlight, machinery, etc.). However the control should be able to 'see' the same conditions that the occupants will be experience.



2. Install a 4" octagon or a 4" pancake electrical box where control will be located (strongly recommended but not required). Position fixture mounting screws of electrical box horizontally.

3. Run 18/3 thermostat cable from the heater relay to the electrical box. For cable runs over 50' use 16/3 cable. For cable runs over 100' use 14/3 cable. Call factory for any cable runs 150' or over. See wiring diagrams for appropriate installation.



4. Connect cable to electrical box leaving 8" of cable hanging out.

5. Strip outer sheathing off the 8" of cable protruding from box.

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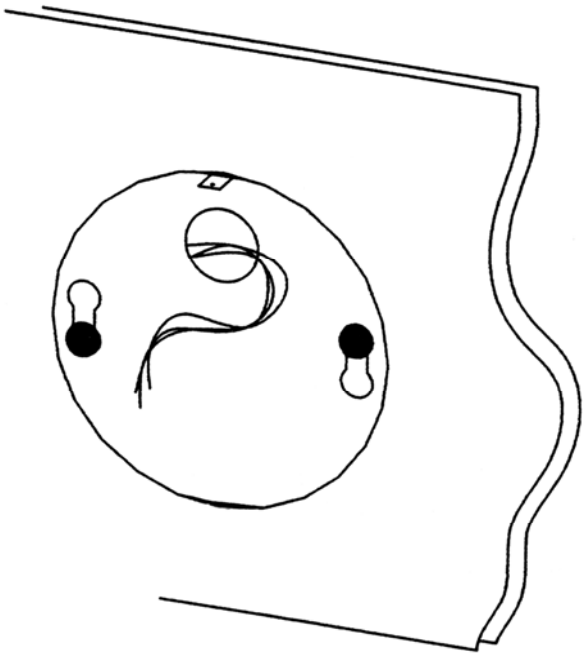
6. Insert cable through cable opening in TruTemp back plate. Attach back plate to electrical box.

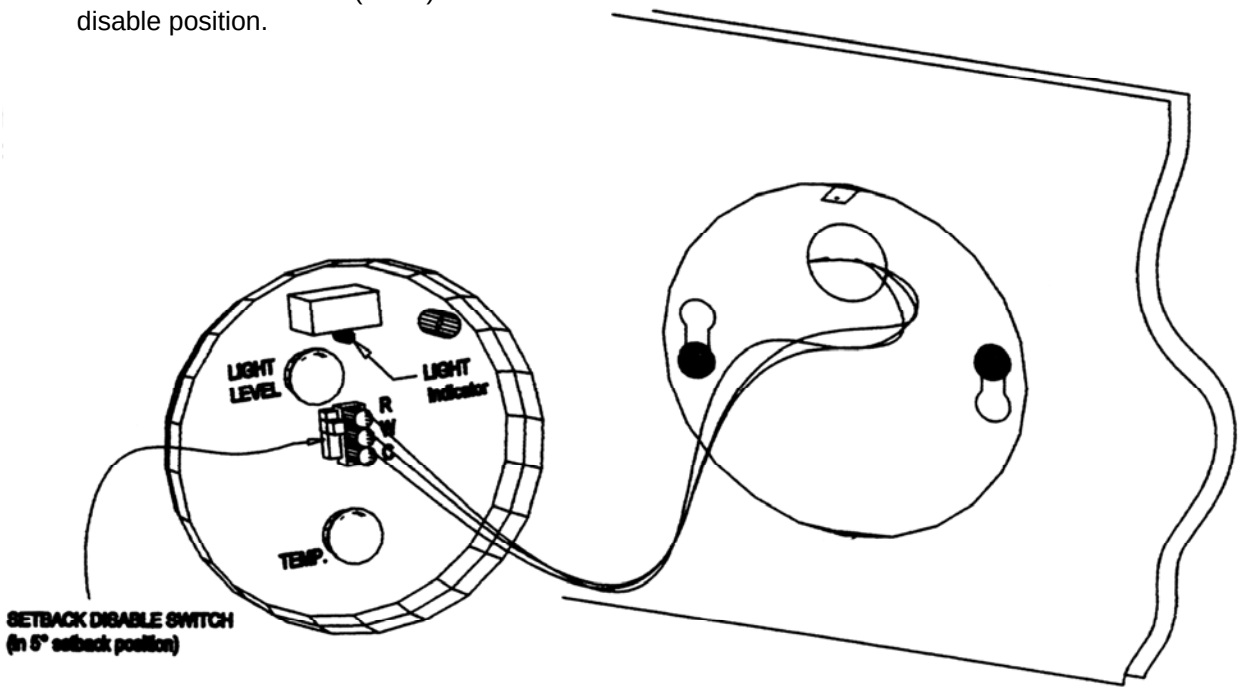


8. Connect leads to 'R', 'W', and `C' terminals on TruTemp control. See attached wiring diagrams for details.

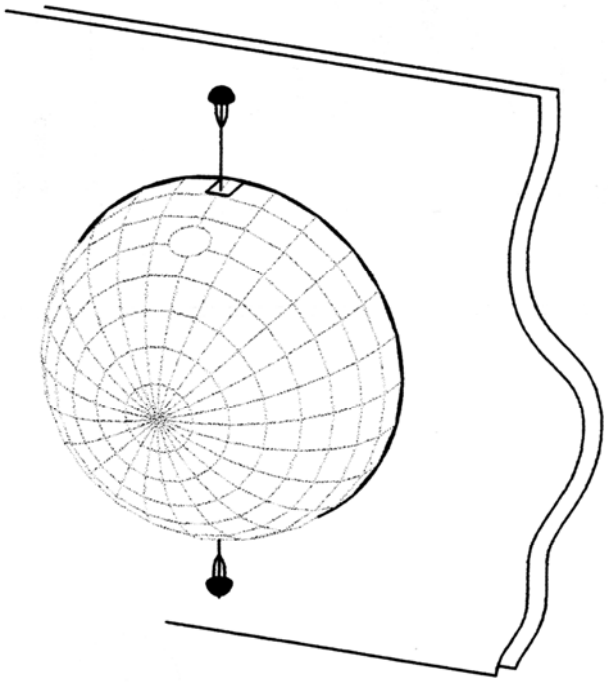
9. Set TEMPERATURE dial to the level desired during occupied times.

10. Turn LIGHT LEVEL knob counter-clockwise to stop. With lights on (as would be during normal occupied times), *slowly* adjust the LIGHT LEVEL knob clockwise just to the point when the LIGHT indicator comes on. To test, turn off building lights. LIGHT indicator should shut off. Allow for time delay.

11. If setback is not desired, move the setback disable switch (down) to the disable position.



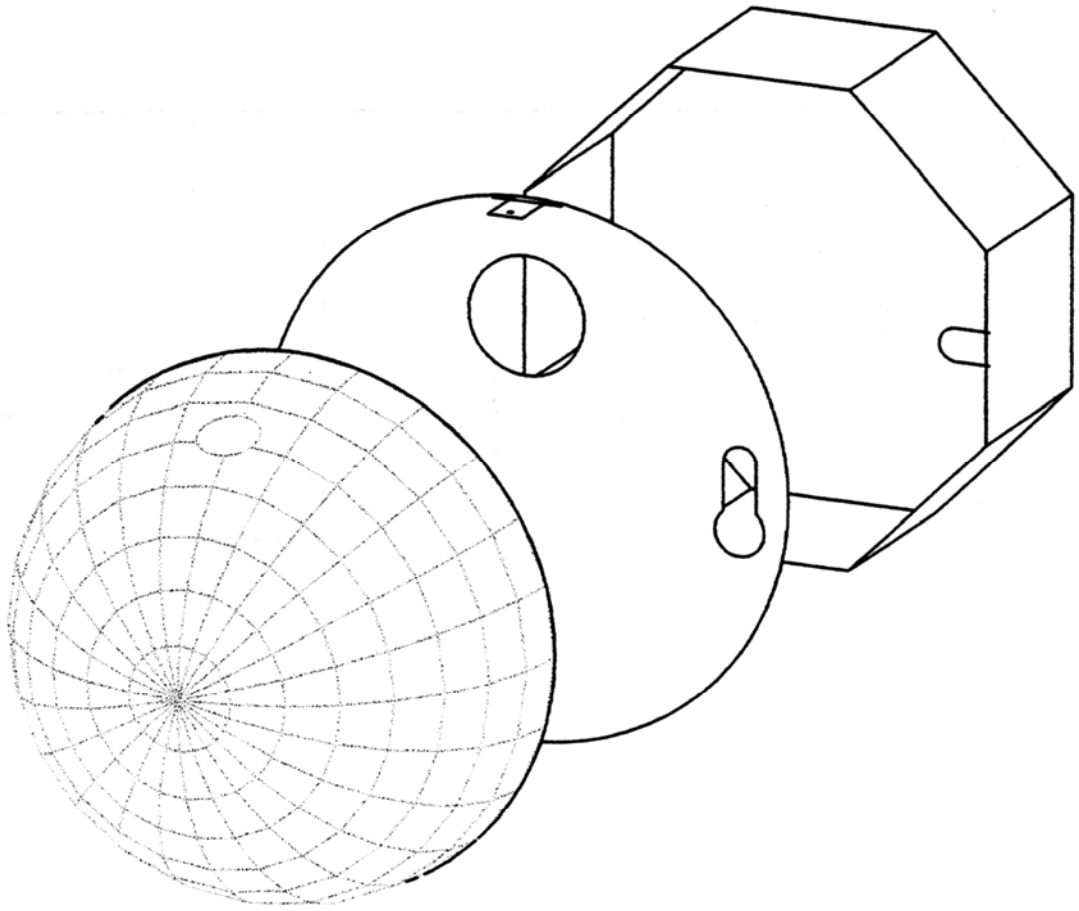
12. Align control with the back plate and attach using supplied screws. Make sure that the occupancy sensor lense is in the top quadrant of the bulb.



Note - Tamper proof screwdriver and screws are available as an option.

For 2 tamper proof screws with screwdriver, order part number: *JM-0180-XX*

For 2 tamper proof screws, order part number: *JM -0180-AA*



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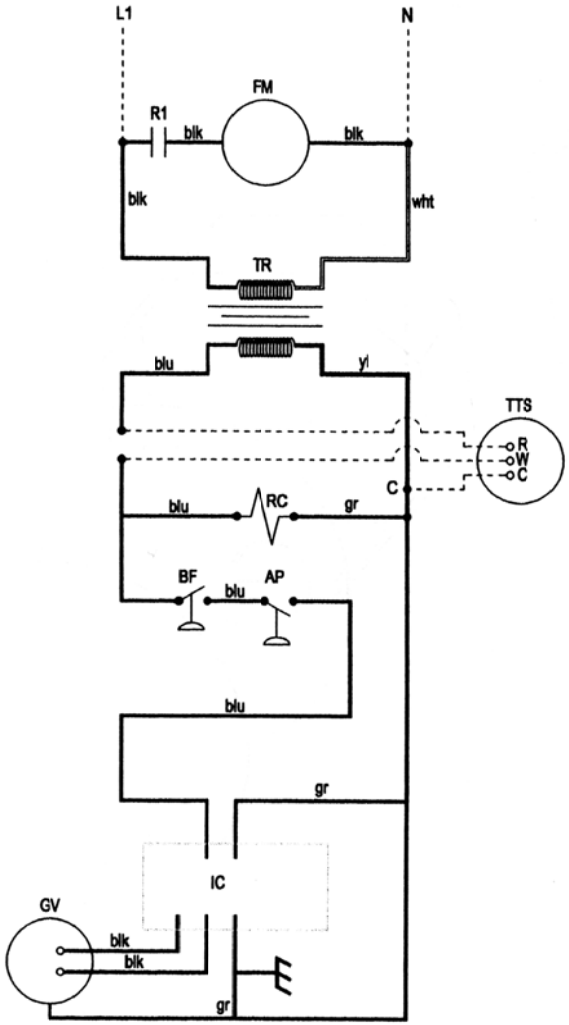

TTS	TruTemp Setback
FM	Fan Motor
TR	Transformer -20 VA
RC	Relay Coil
R1	Relay Contacts
BF	Blocked Flue Switch
AP	Air Proving Switch
IC	Ignition Control
GV	Gas Valve
L1	Line
N	Neutral

Factory Wiring ————————

Field Control Wiring - - - - - - - - -

NOTE: IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO ENSURE THAT THE INSTALLATION OF ALL INFRA-RED HEATING EQUIPMENT & OPERATING CONTROLS ARE IN ACCORDANCE WITH ALL APPLICABLE CODES AND MANUFACTURER'S SPECIFICATIONS.

DWG NAME: TruTemp / SINGLE STS

DWG NUM: 608171a-I

DWN BY:	DATE:
IH	17/06/98
SUPERSEDE: N/A	RL.: 1

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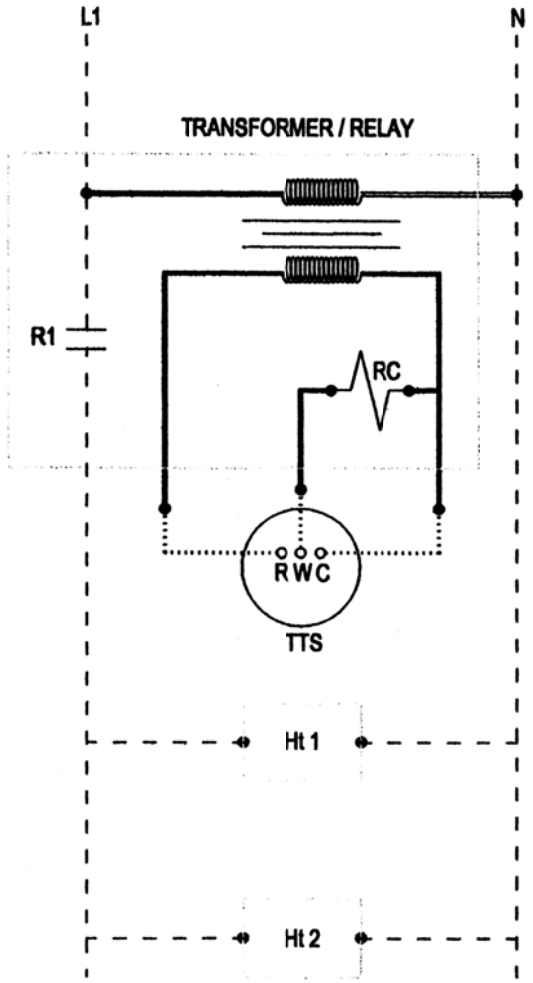

TTS	TruTemp Setback
RC	Relay Coil
R1	Relay Contacts
Ht	Heater
L1	Line
N	Neutral

Factory Wiring ————————

Line Voltage Field Wiring - - - - - - - -

Low Voltage Field Wiring .....

NOTE: IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO ENSURE THAT THE INSTALLATION OF ALL INFRA-RED HEATING EQUIPMENT & OPERATING CONTROLS ARE IN ACCORDANCE WITH ALL APPLICABLE CODES AND MANUFACTURER'S SPECIFICATIONS.

DWG NAME: TruTemp / Multiple STS / JM-0303-KT Transformer-Relay

DWG NUM: 608171c-I

DWN BY: IH

DATE: 11/08/98

SUPERSEDE: 17/06/98

RL.: 1

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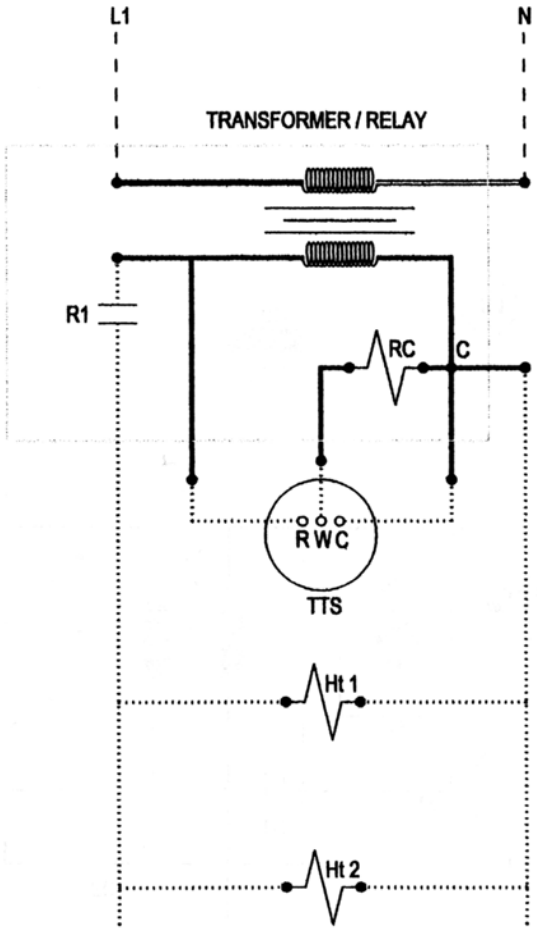

TTS	TruTemp Setback
RC	Relay Coil
R1	Relay Contacts
Ht	Heater
L1	Line
N	Neutral

Factory Wiring ————————

Line Voltage Field Wiring - - - - - - - - -

Low Voltage Field Wiring .....

NOTE: IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO ENSURE THAT THE INSTALLATION OF ALL INFRA-RED HEATING EQUIPMENT & OPERATING CONTROLS ARE IN ACCORDANCE WITH ALL APPLICABLE CODES AND MANUFACTURER'S SPECIFICATIONS.

DWG NAME: TruTemp / STS Field Conversion/ JM-0300-XX

DWG NUM: 608171d-I

DWN BY:	DATE:
IH	11/08/98
SUPERSEDE: 29/07/98	RL.: 2

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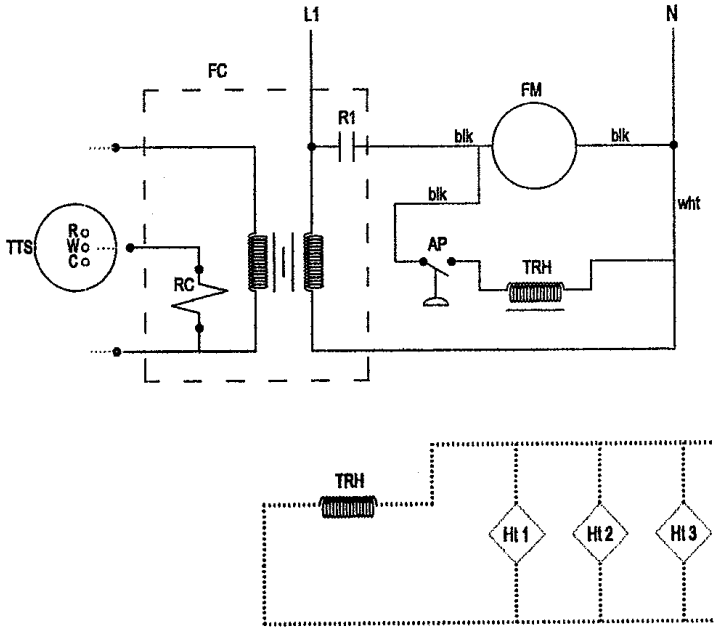

TTS	TruTemp Setback
FM	Fan Motor
TRH	Transformer Heaters
RC	Relay Coil
AP	Air Proving Switch
HT	Heater

24 Volt Field Wiring ——————

Line Voltage Field Wiring - - - - - - - -

NOTE: IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO ENSURE THAT THE INSTALLATION OF ALL INFRA-RED HEATING EQUIPMENT & OPERATING CONTROLS ARE IN ACCORDANCE WITH ALL APPLICABLE CODES AND MANUFACTURER'S SPECIFICATIONS.

DWG NAME: TruTemp / Multiple STS

DWG NUM: 608171a-I

DWN BY:	DATE:
IH	13/08/98
SUPERSEDE: 17/06/98	RL.: 1

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RL: 3C
KH