INSTALLATION AND OPERATION INSTRUCTIONS
HotPod
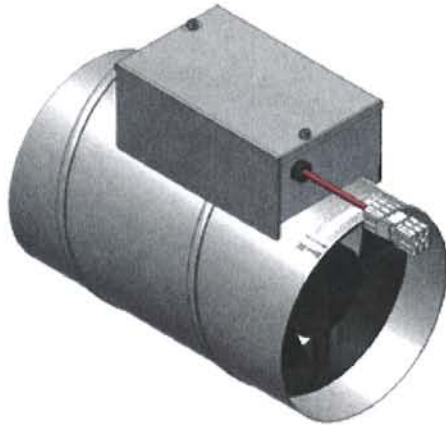
MODELS: HP6-1000120-2, HP6-1000120-2C
HP8-1440120-2, HP8-1440120-2C

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INSTALLATION REQUIREMENTS

· Follow All State and Local Codes.
· Each HotPod™ must be supplied with a dedicated
  120 volt AC circuit, 15A for 1000W models, 20Amp for 1440W
  models. Use 14 ga. copper wire *MINIMUM*.
· For indoor use ONLY with 6" or 8" round ductwork   (depending on model).
· Units are rated for zero clearance.

CHOOSE LOCATION (Figure 1)
1. Install HotPod™ in a horizontal position ONLY.
2. Select a 14" (35.6 cm) section of duct that is a *MINIMUM* of 4 feet (122 cm) from outlet register.
· Select section so that you can insert male crimped end into inlet side of the HotPod™.
· Discharge end must point toward outlet register (arrows show air flow direction).
· Position wiring enclosure to allow permanent access to the wiring compartment.

INSTALL HotPod™
1. Remove 9" (22.9 cm) section of duct for the 6" HotPod or 9 1/2" for the 8" HotPod. Allow an additional
   5" (12.7cm) for the optional *Silent Boot*.
   For Rigid Metal Duct
   · Crimp ends of the duct as needed to provide male ends for insertion into the HotPod™.
   · Fasten with a minimum of 3 sheet metal screws at both ends and within 1.5" (3.8 cm) of the end of the
     housing. Seal with a good quality duct tape.
   For Flexible Duct
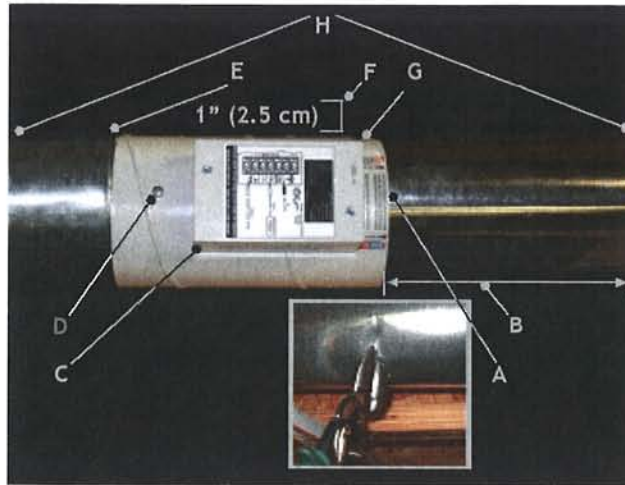   · Attach flexible duct directly to HotPod™ housing using approved connection methods.

ECO 1-6571 9/11 REV. B   FORM 8372

Fig. 1

A. Cut out the required amout from the duct (see **INSTALL HotPod**™ for dimensions).
B. MINIMUM 4 feet (122cm) from outlet register.
C. Wiring cover
D. Fasten with 3 sheet metal screws both ends.
E. Insert male crimped end.
F. Crimp the cut end.
G. Add vibration-damped supports at both ends.

POWER WIRING

Warning !

Remove power from 120Vac circuit selected. Do not energize circuit until all connections are made and HotPod™ wiring enclosure is closed after installation.

FOR PERMANENT WIRED MODELS

1. Remove wiring cover. Following all local codes, connect to 120 Vac, 15 amp dedicated circuit for 1000w models, and 120 Vac,
   20amp dedicated circuit for 1440w models. Provide strain relief for all wiring.
   A. Black/hot wire to "L1" terminal (See Fig.2).
   B. White/neutral wire to "NEUT " terminal (See Fig.2).
   C. Green or ground wire to green housing ground screw.

CORD CONNECTED MODELS

For cord connected models, plug the unit into a nema type 5-15R receptacle on a dedicated 15amp or 20 amp circuit depending on model.
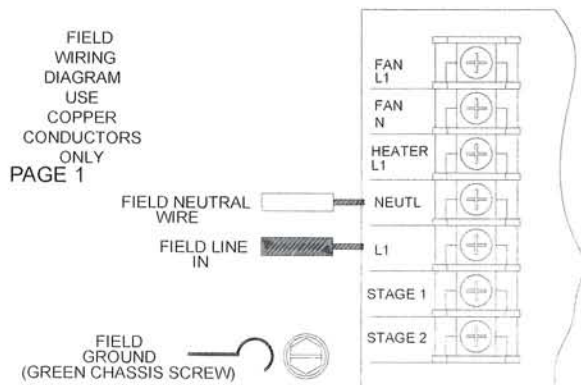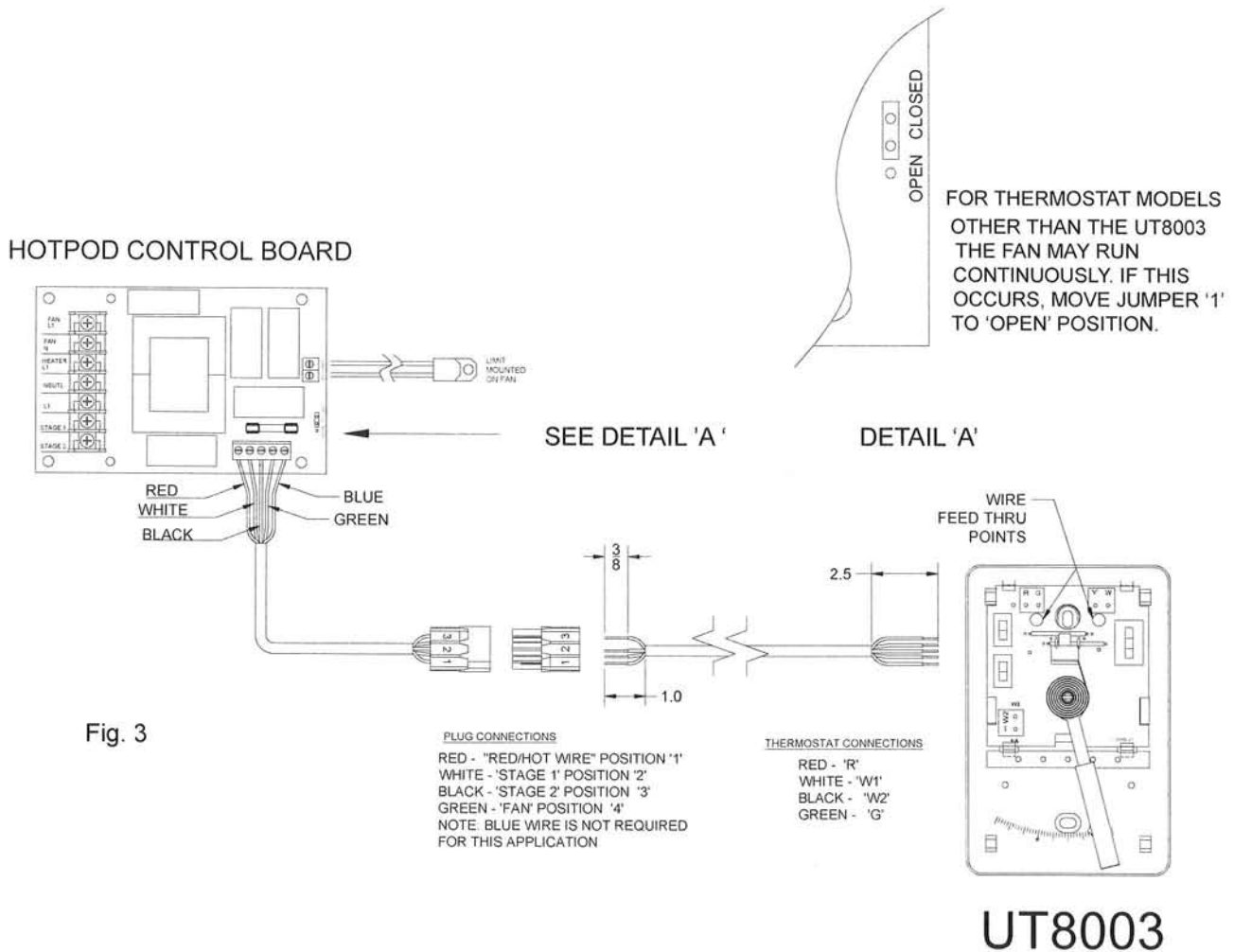

Fig. 2

CONTROL WIRING

The HotPod is provided with a low voltage wall thermostat. The UT8003 is a heat/cool snap action thermostat that has a temperature range of 50 - 90°F. The UT8003 has heat/cool mode switch and high/low switch to control the heat output of the HotPod as needed. This design provides precise leveling of the thermostat during installation unnecessary.

THERMOSTAT INSTALLATION INSTRUCTIONS

1. Determine the location where the thermostat is to be mounted. It should be installed about 54" above floor level where there is good air circulation. Avoid heat sources such as lamps,direct sunlight, fireplaces or walls containing air conditioning and heating ducts. Do not install where anything can obstruct free air flow such as drapes or doors.

2. Disconnect the power supply to the HotPod.

3. Gently remove the cover of the thermostat from the base by pulling at the sides away from the base. Remove any additional packing.

4. Feed electrical wires from the system through the two holes above the screw terminals. Wiring must not interfere with the operation of the thermostat. Use electrical material approved by applicable codes.

5. Connect the wires to the proper terminals. (See Fig.3)

6. Install the thermostat on the wall with the mounting screws provided.

7. Move the temperature adjusting lever back and forth to insure bimetal is free from restictions.

8. Replace the cover onto the base.

9. With power restored, move the manual switch to the desired position.

10. This thermostat has been electronically calibrated by highly qualifed technicians at the factory. No adjustment is necessary.
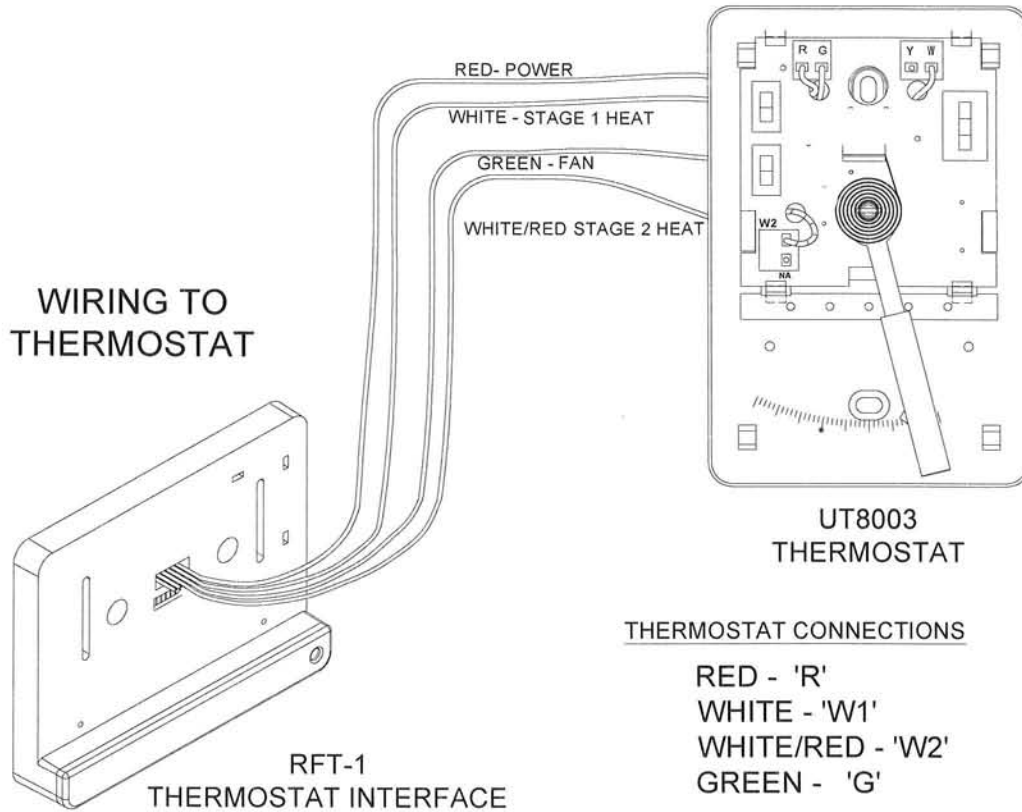
THERMOSTAT INSTALLATION
FOR 'HARD-WIRED' THERMOSTATS
*FOR WIRELESS THERMOSTAT INSTALLATION
SEE PAGES 5 & 6.

FOR THERMOSTAT MODELS OTHER THAN THE UT8003 THE FAN MAY RUN CONTINUOUSLY. IF THIS OCCURS, MOVE JUMPER '1' TO 'OPEN' POSITION.

HOTPOD CONTROL BOARD

RED
WHITE
BLACK
BLUE
GREEN

SEE DETAIL 'A'

DETAIL 'A'

WIRE FEED THRU POINTS

LIMIT MOUNTED ON FAN

Fig. 3

PLUG CONNECTIONS
RED - "RED/HOT WIRE" POSITION '1'
WHITE - 'STAGE 1' POSITION '2'
BLACK - 'STAGE 2' POSITION '3'
GREEN - 'FAN' POSITION '4'
NOTE: BLUE WIRE IS NOT REQUIRED FOR THIS APPLICATION

THERMOSTAT CONNECTIONS
RED - 'R'
WHITE - 'W1'
BLACK - 'W2'
GREEN - 'G'

UT8003

The HotPod comes with a prewired pig-tail for ease of thermostat wire installation.

1. Remove the female end of the plug assembly by gently pulling while holding the male end.

2. Strip approximately 1" of the the outer jacket from the thermostat cable, 20 AWG min. solid conductor is recommended.

3. Strip approximately 3/8" of insulation from the individual conductors and push the bare copper into the push-in terminals being carefull not to push the insulation under the terminals.

4. For the thermostat connection remove approximately 2 1/2" of the outer jacket and strip the individual conductors approximately 1/4".

5. Wire thermostat and plug as shown in Fig. 3.

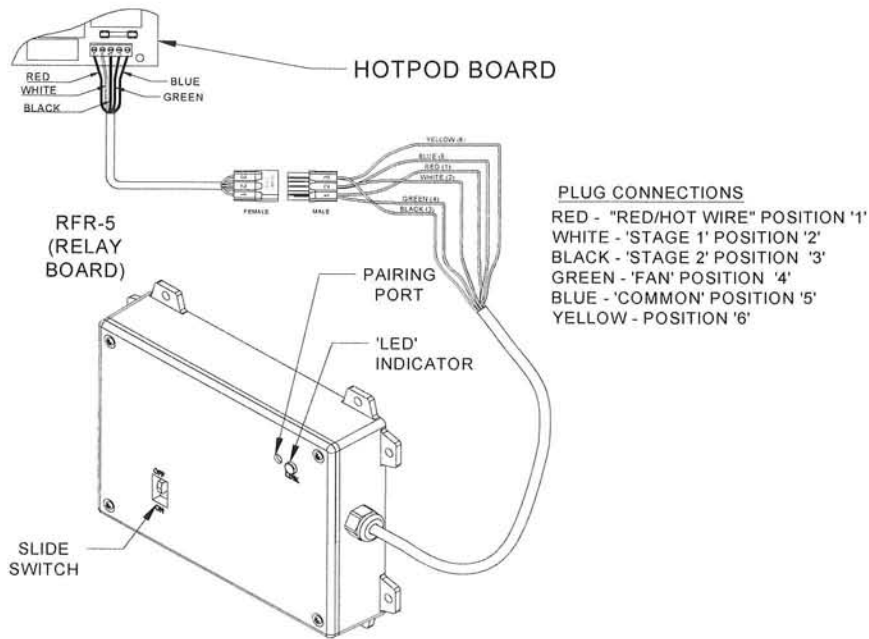6. Refer to page 3 for thermostat mounting and operation.

THERMOSTAT CONNECTION TO WIRELESS INTERFACE

RED- POWER

WHITE - STAGE 1 HEAT

GREEN - FAN

WHITE/RED STAGE 2 HEAT

WIRING TO
THERMOSTAT

UT8003
THERMOSTAT

RFT-1
THERMOSTAT INTERFACE

THERMOSTAT CONNECTIONS

RED - 'R'
WHITE - 'W1'
WHITE/RED - 'W2'
GREEN - 'G'

DIRECTIONS

1. Refer to page 4 of the RFKIT-5 INSTALLATION & OPERATION INSTRUCTIONS.
   for wiring and mounting procedure.
2. The first time the the thermostat interface is energized, be sure the 'Mode' switch is in
   the 'Off' position and the 'Fan' switch is in the 'Auto' position.
3. Remove battery access cover and install batteries, replace cover.

HOTPOD CONNECTION TO RFR-5 RELAY BOARD

—— HOTPOD BOARD

RED
WHITE   BLUE
BLACK   GREEN

RFR-5
(RELAY
BOARD)

FEMALE   MALE

YELLOW (6)
BLUE (5)
RED (1)
WHITE (2)
GREEN (4)
BLACK (3)

PAIRING
PORT

'LED'
INDICATOR

SLIDE
SWITCH

PLUG CONNECTIONS
RED - "RED/HOT WIRE" POSITION '1'
WHITE - 'STAGE 1' POSITION '2'
BLACK - 'STAGE 2' POSITION '3'
GREEN - 'FAN' POSITION '4'
BLUE - 'COMMON' POSITION '5'
YELLOW - POSITION '6'

DIRECTIONS:

To avoid unnecessary repeated trips to the HOTPOD   installation have the RFT-1 available at the installation.

1. Disconnect power to the HOTPOD. Make sure thermostat is in "OFF" position and 'Fan" is set to "Auto".
2. Remove the "Male " end from the Hotpod plug assembly. Grasp the plug assembly on both ends and pull gently, **Do Not Pull On The Wires**.
3. Remove the "Female " end from the RFR-5 plug assembly. Grasp the plug assembly on both ends and pull gently, **Do Not Pull On The Wires**.
4. Connect the Hotpod and RFR-5 plugs together.
5. Ensure batteries are installed in the RFT-1 thermostat interface.
6. Move the slide switch on the RFR-5 relay board to 'ON' position. On the thermostat, set 'Fan' to 'On' position. The fan should come on and the LED's should not blink.The RFKIT is now linked. Return thermostat to desired location and adjust thermostat as required.
6. If the Linking/Pairing is unsuccessful, refer to page 3 of theRFKIT-5 INSTALLATION & OPERATION INSTRUCTIONS.