PTAC PWHK01G70 WIRE HARNESS KIT
INSTALLATION INSTRUCTIONS

Attention Installing Personnel

As a professional installer, you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair, it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is **your** responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.
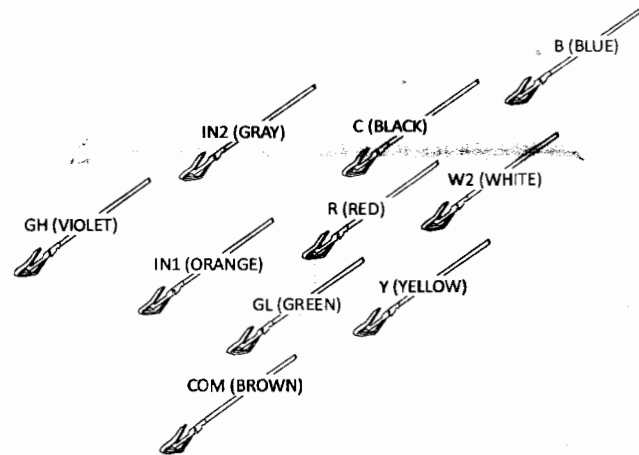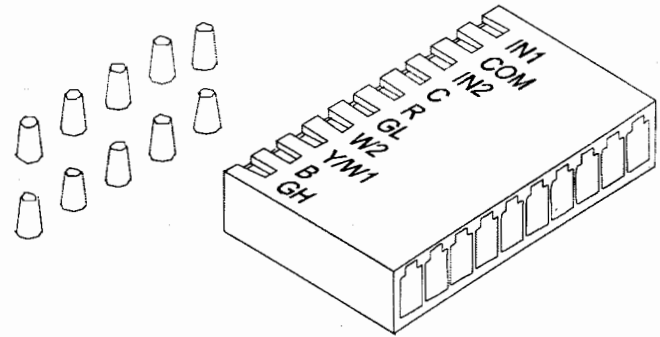
Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

The kit includes a 10-pin female housing with 10 jumper wires and wire nuts. The installation and servicing of this equipment should be performed by qualified, experienced technicians.

*Contact your sales person for proper manufacturer-approved devices and wiring instructions.

**If other than a "dry switch" is used in connecting these features, consult manufacturer before proceeding.*

⚠ **WARNING**

HIGH VOLTAGE
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

Description

The PTAC Wire Harness kit provides connection from the 10-pin terminal strip on the PTAC M70 control board to the following board features:

Door Switch*

Motion Sensor*

Emergency Hydronic Heat**

Load Shedding**

Front Desk Control**

Remote Thermostat*

General Purpose Alarm Input**

⚠ **WARNING**

HIGH VOLTAGE
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DUE TO POLICY OF CONTINUAL PRODUCT IMPROVEMENT, THE RIGHT IS RESERVED TO CHANGE SPECIFICATIONS AND DESIGN WITHOUT NOTICE.

Figure 2

⚠ WARNING

ALL WIRING MUST COMPLY WITH APPLICABLE LOCAL AND NATIONAL CODES. TYPE AND LOCATION OF FUSED DISCONNECT SWITCH(ES) MUST COMPLY WITH ALL APPLICABLE CODES.

1. Disconnect power and remove the front panel per unit installation instructions.

2. Remove 10-pin female housing from control board. *If a female housing is not present on the control board, use the housing supplied with this kit.*

   Using the following table and Figure 1 as guides, choose the feature desired and insert the proper jumper wire into the appropriate slot on the housing. Ensure the jumper wires are oriented as shown in Figure 2.

   Re-install the 10-pin housing. Ensure housing faces the direction shown in either figure. Take care to ensure the plastic housing and metal pins are aligned correctly; otherwise, the unit will not function properly.

   NOTE: Only load wires intended for installation. Extra wires can be used to connect other PTAC boards. One PWHK01G70 kit can be used for multiple boards.
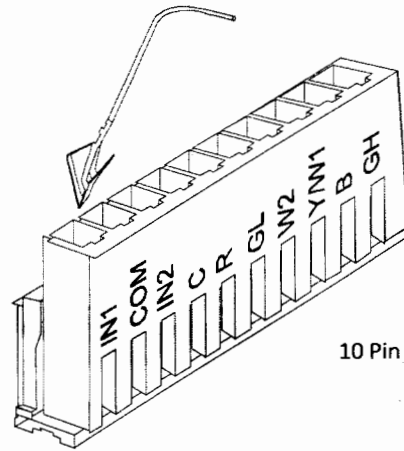
3. Connect the kit wiring to the field wiring using the wire nuts provided. Route the kit wiring as shown in Figure 3. Do not run wires through basepan or wall sleeve.
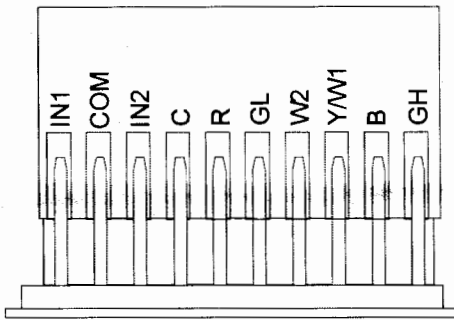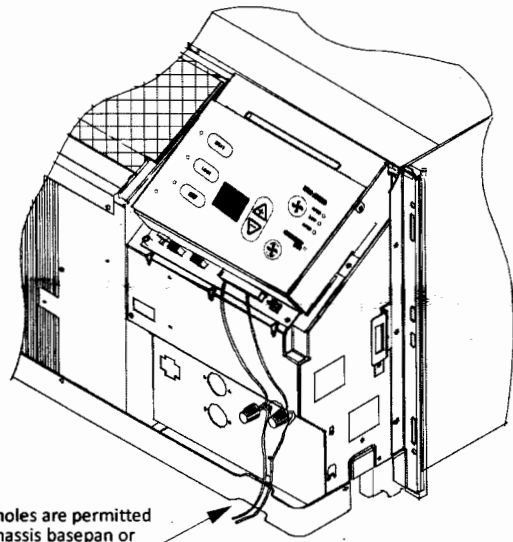

No holes are permitted in chassis basepan or wallsleeve when routing low voltage wire. Route the low voltage wires through the indention on the front of the basepan.

Figure 3

Figure 1

Control Knobs (10-Pin Units)

| Feature	Pins Used
Emergency Hydronic Heat	IN1, COM
Load Shedding	IN1, COM
Front Desk Control	IN1, COM
Remote Thermostat	C, R, GL, W2, Y/W1, B, GH
Motion Sensor	IN1, COM
Door Switch	IN2, COM

Table 1

4. If the IN1, COM, and/or IN2 terminals are being used, the control will need to be configured through the configuration menu for the desired operation.

5. To configure the unit, first select the configuration feature code setting and then an option code to change from the factory default setting.

* IN2 may be used in place of IN1.

2

To enter configuration feature mode:

A. **Press** and **hold** the up and down ⟨⟩ arrow keys at the same time and **press the OFF** ⟨OFF⟩ **key twice within a two (2) second time frame then release the** ⟨⟩. The display will indicate = = if the security code (configuration code **uL**) has been previously set. The display alternates between = = and **00**. Use the up and down ⟨⟩ arrow keys to change **00** to the previously selected security code.

NOTE: The control will not proceed to the next step until the correct code is entered. The security code step will be skipped if no code has been set or if it has been set back to **00**.

B. The display will then indicate **- -**. Press the ⟨HEAT⟩ key one time. The display will then alternate between **C1** and **0**.

C. To select the terminal configuration **feature code**, press the **HEAT** ⟨HEAT⟩ key until the desired configuration comes up (see Table 2). To scroll to a previously viewed configuration codes, press the **COOL** ⟨COOL⟩ key.

D. Once you have scrolled to the correct feature, then to select the **option code** for your desired configuration, press either the up or down key ⟨⟩ to scroll through the options of the selected feature code.

To **exit configuration mode**:

A. **Press** the **OFF** ⟨OFF⟩ key. Configuration feature mode will also exit **if no keys are pressed** for a period of **two (2) minutes**.

6. With the unit in the OFF position, reconnect the power and ensure the master switch is in the ON position.

7. Reinstall the front cover per unit installation instructions. Check the unit for proper operation.

Configuration Code	Configuration Feature	Option Code	Option
C1	Interface	0 *	Chassis Membrane *
		L5	Wired Thermostat
		rE	Wireless Stat & 7-Button
		L0	Locked Membrane
C6	Wired Occupancy	0*	Off*
		1	On
		18	18 Hour Automatic Entry
		2	Bound T-stat PiR w/o Door
c3	Un-rent ClnTemp.	45 - 95, 79*	45 - 95, 79*
	Un-rent HtnTemp.	45 - 95, 63*	45 - 95, 63*
d6	Sensorless Un-Oc Time	1 - 32, 18*	1 - 32, 18*
d7	1st Un-Occ. Set Back Temp.	1 - 16, 2*	1 - 16, 2*
d8	1st Un-Occ. Set Back Time	.1, .5*, 1 - 24	.1 ,.5 ,1 - 24, .5*
d9	2nd Un-Occ. Set Back Temp.	1 - 16, 3*	1 - 16, 3*
dA	2nd Un-Occ. Set Back Time	.5, 1* - 24	(d8) - 24, 1*
db	3rd Un-Occ. Set Back Temp.	1 - 16, 6*	1 - 16, 6*
dC	3rd Un-Occ. Set Back Time	1 - 24, 3*	(dA) - 24, 3*
dF	Platform Group Code	00* - 99	00* - 99
u8	Input Pins UN1 & COM	0*	Door Switch
		1	Motion Sensor
		2	Front Desk
		3	Wired Un-rented Set Back
		4	Emergency Hydronic
		5	Load Shedding
		6	Alarm Sensor
u9	Input Pins UN2 & COM	0*	Door Switch
		1	Motion Sensor
		2	Front Desk
		3	Wired Un-rented Set Back
		4	Emergency Hydronic
		5	Load Shedding
		6	Alarm Sensor

Indicates factory default. See manufacturer for additional configuration options.

Table 2

Configurations Settings Chart