

EHK

ELECTRIC HEAT KITS

SUPPLEMENTAL INSTALLATION INSTRUCTIONS

Goodman Manufacturing Company, L.P. © 2012
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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.

Description

The following EHK kit instructions supplement is for installation in the 7.5 tons and larger light commercial CPC and CPH models.

These instructions should be used only as a supplement to IO-701* provided with the above units.

Installation

Alternate construction for EHK heater kits, 45kW and 60 kW for the addition of a time delay relay.

**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.

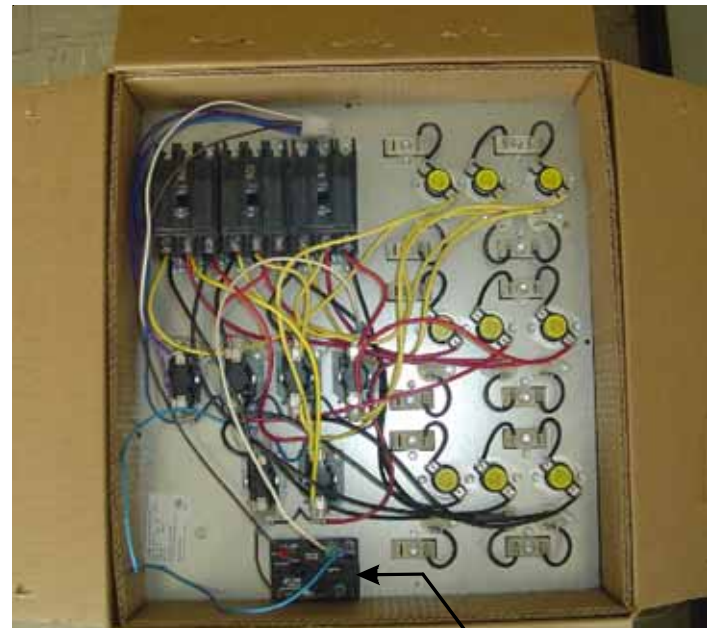


**CAUTION**

TO AVOID POSSIBLE PERSONAL INJURY, USE EXTREME CAUTION IF USING POWER TOOLS TO REMOVE THE SMALL BREAKER MOUNTING BRACKETS. THE BRACKETS MAY QUICKLY ROTATE AND CAUSE INJURY.

1. Mount time delay relay onto the heater kit plate or on the side of the heater compartment, using the screw provided. Make sure it is clear of any other wiring and components.

2. Remove the brown wire from the 2nd stage sequencers on the heater to the Molex plug and connect it to "COM" terminal on the time delay relay.
3. Connect the white wire from the kit between T2 on the time delay relay and any open terminal on the white wire side of the 1st stage sequencers on the heater.
4. Connect the brown wire from the kit between "NO" terminal on the time delay relay and the sequencer terminal on the heater where the brown wire from the Molex plug had previously been removed.
5. Connect the blue wire from the kit between T1 on the time delay relay and to any open terminal on the common (blue) side of the 2nd stage sequencers on the heater.



Time Delay Relay

Figure 1

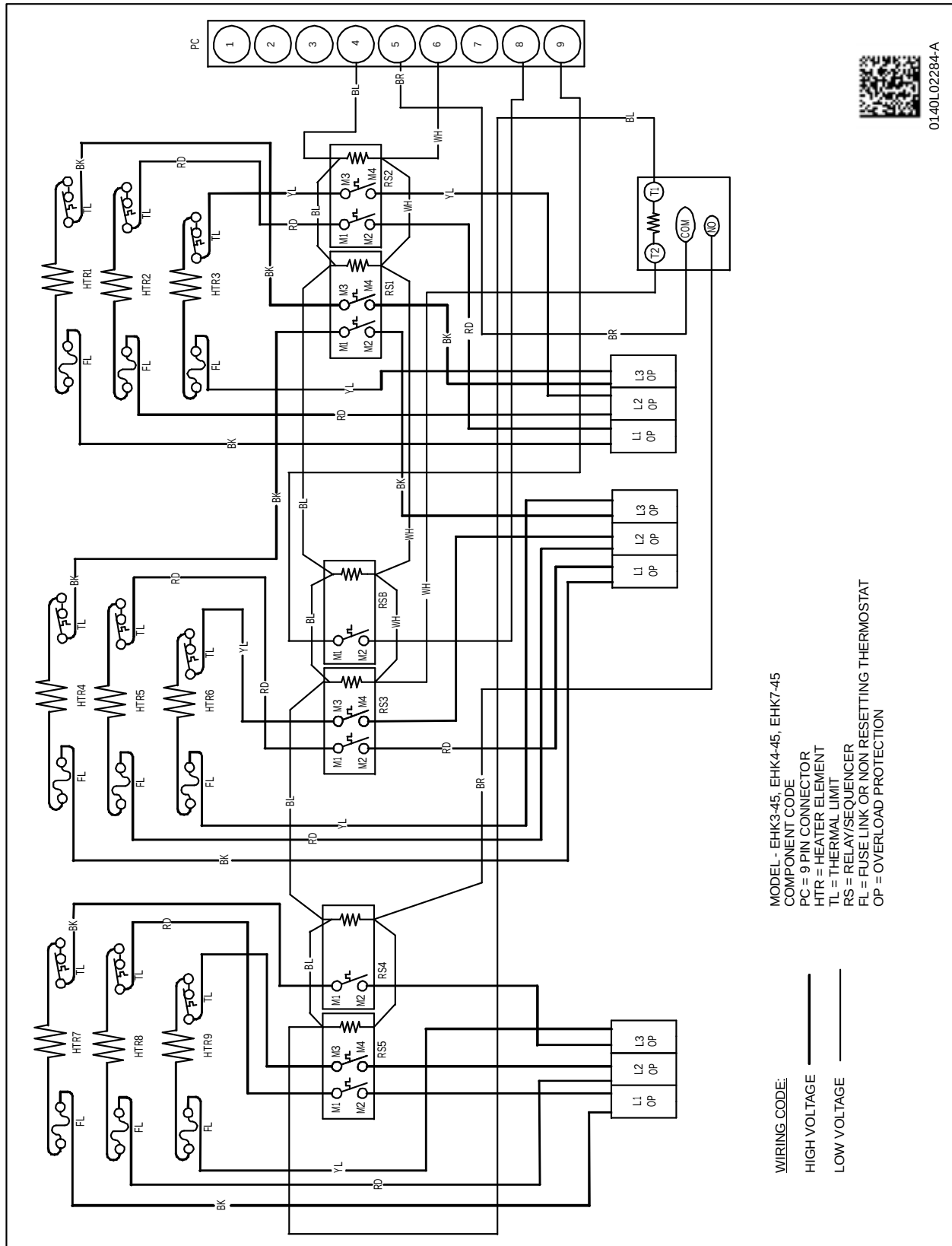
6. Set time delay on the relay to the first setting line above 10 seconds.
7. Replace the 3 amp fuse on the time delay board in the unit control box with the 5 amp fuse from the kit.



WIRING DIAGRAM

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Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.