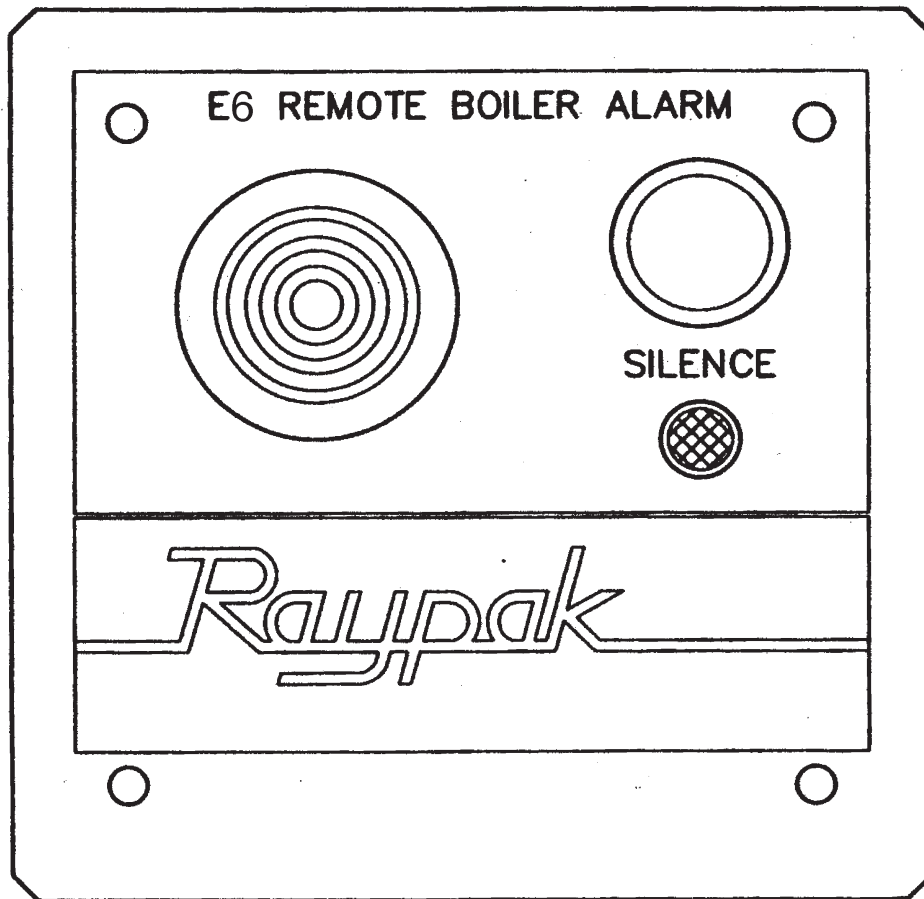


**Raypak Installation Instruction  
For Optional  
E-6 Remote/Alarm Reset**



**Raypak**<sup>®</sup>

A Rheem<sup>®</sup> Company

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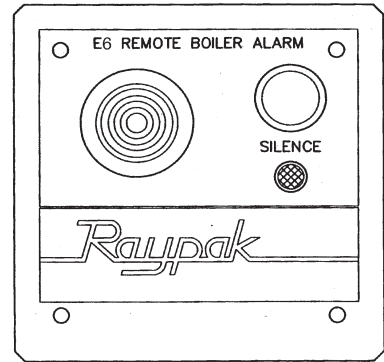
## E-6 REMOTE ALARM/RESET

Check packaging for damage or missing components.

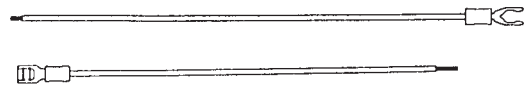
Kit Includes:

QTY.      DESCRIPTION

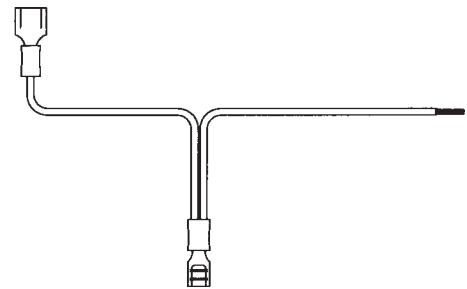
1      A      E6 REMOTE ALARM/RESET PANEL  
Includes:  
FACE PLATE W/DECALS  
LAMP W/WIRES  
SWITCH W/WIRES  
BUZZER W/WIRES



2      B      BELL WIRE ASSEMBLY  
W/FORK CONNECTOR



2      C      BOILER ALARM  
SWITCH TEE WIRE ASSEMBLY  
W/SPADE CONNECTOR



2      D      8 - 32 X 1-1/4" SCREWS



11      E      WIRE NUT



## **IMPORTANT SAFETY INSTRUCTIONS**

**IMPORTANT NOTICE:** These instructions are intended for use by qualified personnel who are specifically trained and experienced in the installation of this type of equipment and related system components. Installation and service personnel may be required by some states to be licensed. If your state requires certification, be sure your contractor bears the appropriate license. Only qualified persons shall attempt to repair this equipment. Repair must be according to these instruction.

**WARNING:** Improper installation, adjustment, alteration, service or maintenance may damage the equipment, create a hazard resulting in asphyxiation, explosion, fire, electric shock, personal injury or property damage, and will void the warranty.

**CAUTION:** MORE THAN ONE (1) SUPPLY SOURCE. THIS APPLIANCE HAS PROVISIONS TO BE CONNECTED TO MORE THAN ONE (1) SUPPLY SOURCE. TO REDUCE THE RISK OF ELECTRIC SHOCK, DISCONNECT ALL SUCH CONNECTIONS BEFORE SERVICING.

**CAUTION:** RISK OF ELECTRIC SHOCK. MORE THAN ONE (1) DISCONNECT SWITCH MAY BE REQUIRED TO DE-ENERGIZE THE EQUIPMENT BEFORE SERVICING.

**NOTE:** Minimum 18 AWG, 105°C, stranded wire must be used for all low voltage (less than 30 volts) external connections to the unit. Solid conductors should not be used because they can cause excessive tension on contact points. Install conduit as appropriate. All high voltage wires must be the same size (105°C, stranded wire) as the ones on the unit or larger.

## **INTRODUCTION**

This product is designed for easy installation and operation. The following instructions and information will aid you in the integration of this unit into your **E-6 BOILER ALARM** system. Access to a copy of the owners manual for the main E-6 unit in addition to these instructions is necessary and required. After reviewing both manuals, installation will be quick and easy. Be sure to read and follow all cautions, warnings, and important notices to protect against property damage or personal injury.

## **CONCEPT OF OPERATION**

The E-6 REMOTE/ALARM RESET is remotely accessible alarm panel for the E-6 BOILER ALARM. This unit utilizes a buzzer/light combination remotely located (i.e., in a nearby office or maintenance room) from the boiler room where the boiler and E-6 are located. It is also equipped with a reset switch that can disable the audio alarm without the need for direct access to the E-6 itself.

## **INSTALLATION AND MOUNTING**

The panel is designed to be installed as a face plate for a standard 4x4 junction box. The junction box (not included) should be located where the reset panel can be accessed and seen from the best range of locations within the room.

Selection of a suitable location for the installation should include building code restrictions, access and visibility. Comply to all applicable building codes for your area. Make sure that the panel can be easily reached to reset the audible alarms. Choose a location that the alarm panel light can be easily seen from all directions.

**NOTE:** The audio alarms can be reset from the main E6 unit leaving only the light on the remote panel showing a fault. Do not assume that the audio alarm must be active to indicate a potential problem.

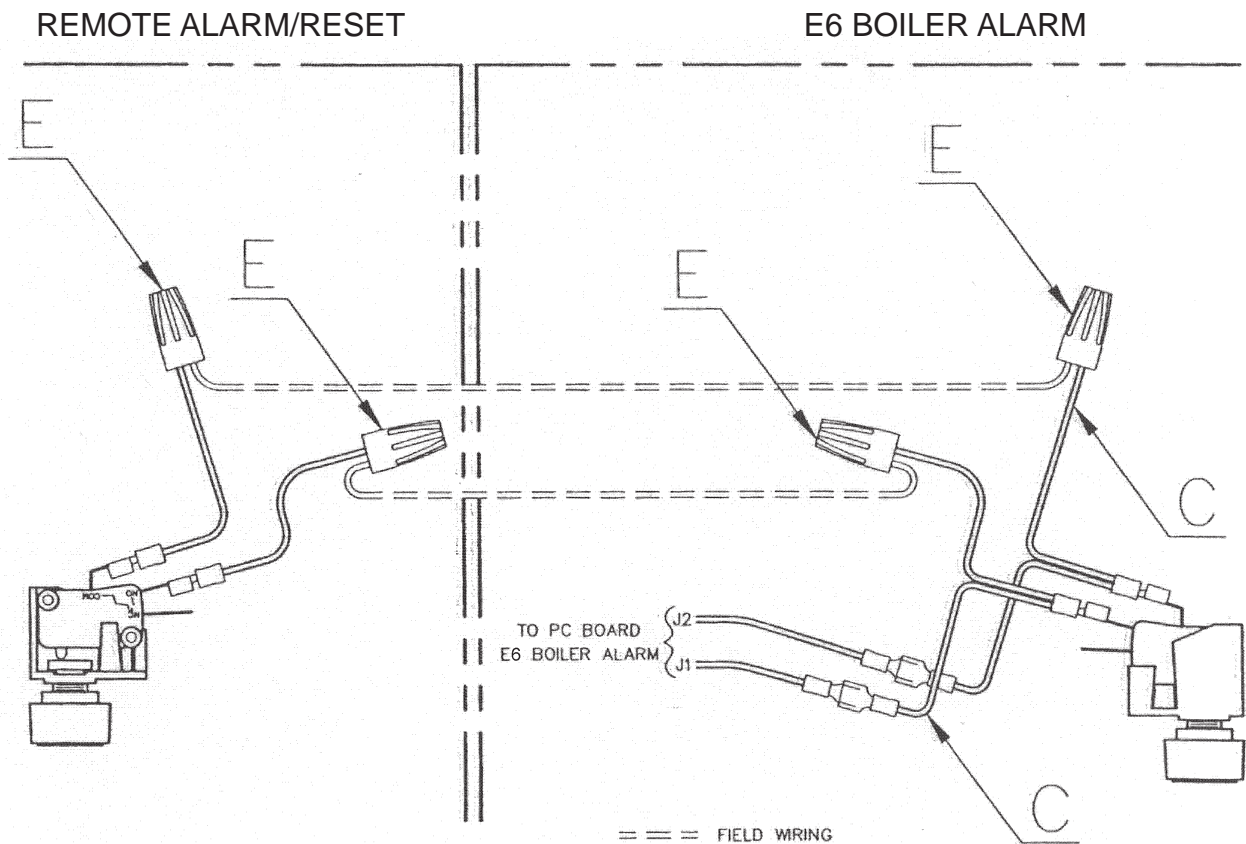
## **MECHANICAL INSTALLATION**

The junction box can be mounted in several ways to accommodate the reset panel. Directly on a suitable vertical surface mounted from the back of the box, with the front face flush to a wall surface, or internal to the wall surface. The front of the junction box can be as far as one inch from the wall surface using the hardware included. Make sure that field wiring (Not included) can be run between the location chosen for the remote and main E6 unit within the code restriction for your area. The wall hole size for the junction box must be limited to less than half an inch from the edge or the remote panel will not cover the entire opening.

Make sure to read and follow all warnings, cautions and instructions in this manual and the operation manual that is included with the E6 BOILER ALARM.

## Field Wiring (E-6 Remote Alarm Reset Switch)

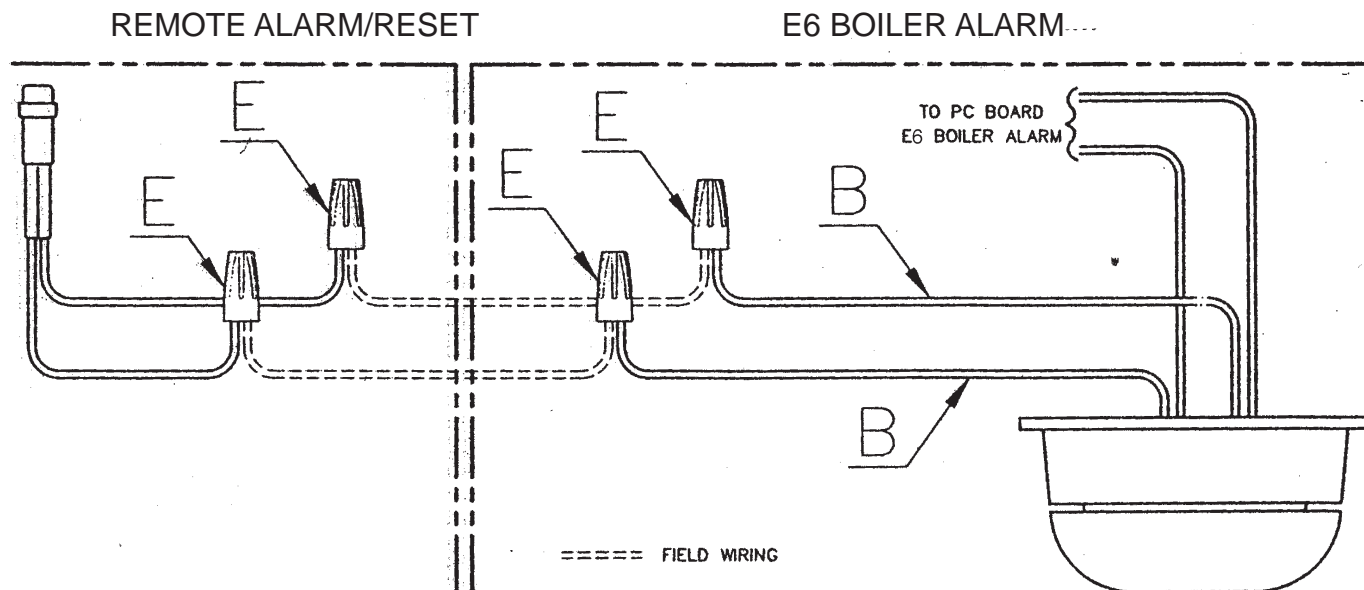
1. Follow all necessary safety precautions regarding electrical equipment.
2. Use copper conductors only. Use 18AWG stranded wire rated at 75°C (167°F) or better.
3. Conform to wire color codes for field wiring.
4. Open the door and remove the display panel mounted screws (remove the door if necessary for access).
5. Remove the display to access the interior of the control box.
6. Remove the common (COM) lead from the reset switch and attach it to the insulated male spade connector of one of the tee wire harnesses (included).
7. Connect the female spade connector of the wire harness to the common (COM) of the reset switch.
8. Connect the stripped end the wire assembly and the field wire being used with a wire nut (included).
9. Repeat steps (6) through (8) for the normally open (NO) connection of the reset switch.



## Field Wiring (E-6 Remote Alarm Lamp)

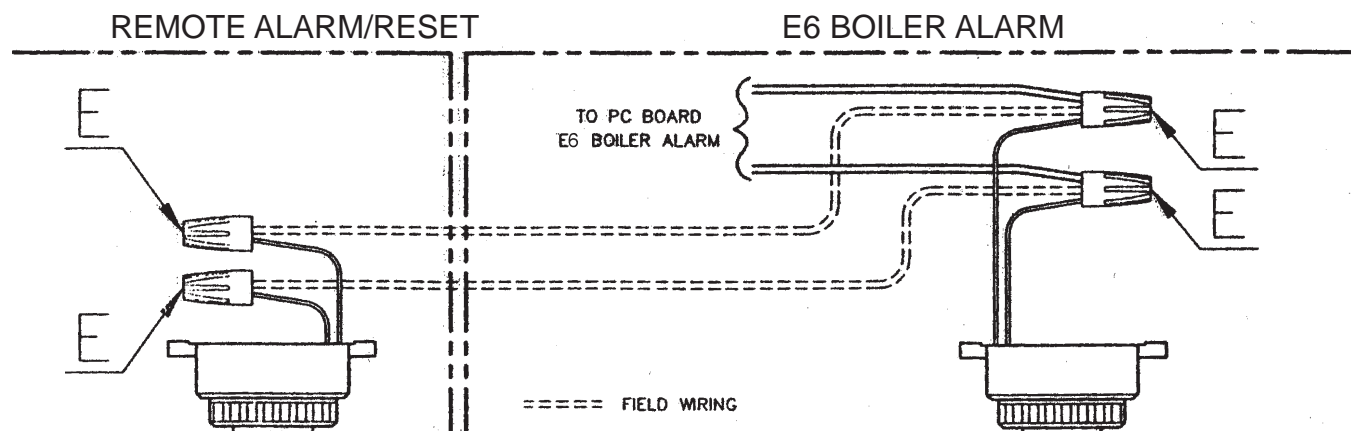
**NOTE:** The bell connections of the E-6 Boiler Alarm are being used to energize the lamp of the E-6 Remote/Alarm Reset.

10. Remove the mounting screws from the bell located on the bottom of the control box.
11. Connect each of the fork connectors of the two wire assemblies E to the terminals of the bell. **Do not remove the existing connections.**
12. Feed the wire assemblies through the bottom of the control box with the existing wires and remount the bell.
13. Connect field wiring to each wire assembly with a wire nut E.



## Field Wiring (E-6 Remote Alarm Buzzer)

14. Remove the wire nut connecting the red buzzer wire with the wire running to the E-6 PC board.
15. Add the red field wire to the connection and replace the wire nut.
16. Repeat (14) and (15) for the buzzers black wire.
17. Repeat (4) and (5) in reverse to reassemble the control box.



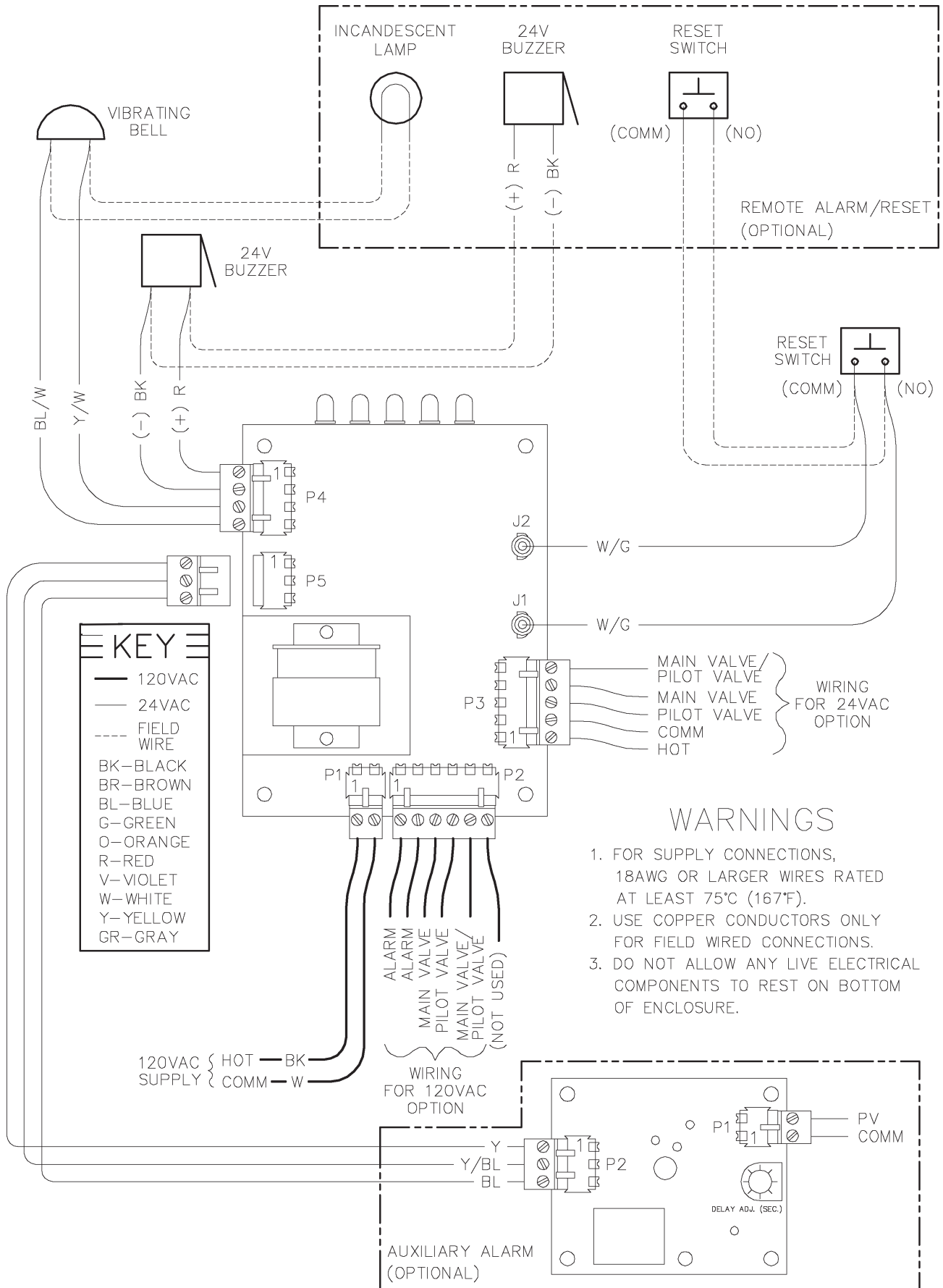
## FIELD WIRING (Connecting the E-6 Boiler Alarm with the E-6 Remote Alarm/Reset)

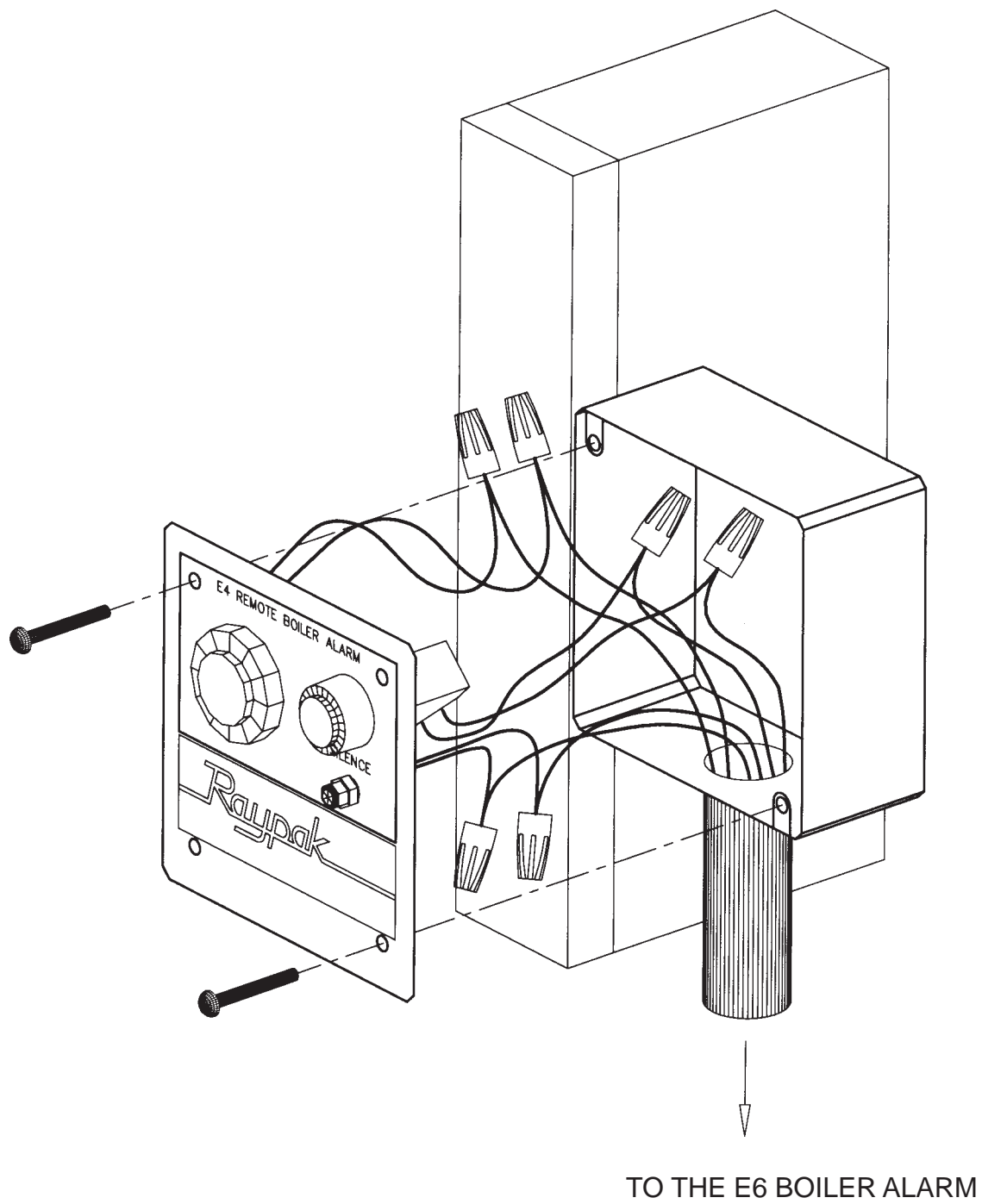
1. All wiring for lamp, reset switch, and buzzer should now be connected to the E-6 Boiler Alarm and run to the 4X4 junction box being used to mount the E-6 Remote/Alarm.
2. Connect the female spade connectors of the two wire assemblies (included) to common (COM) and normally open (NO) connections of the remote reset switch.
3. Using wire nuts (Included) attach each one of the leads of the lamp, reset switch, and buzzer to the matching field wire connections from the E-6 BOILER ALARM.

**NOTE:** The lamp of the E-6 Remote Alarm/Reset is run in parallel with the vibrating bell of the E-6 BOILER ALARM.

4. Attach the E-6 remote faceplate to the junction box (see the Preparation section of INSTALLATION AND MOUNTING).









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