

IGNITION MODULE RETROFIT KIT

Tube Heater Models

DESCRIPTION:

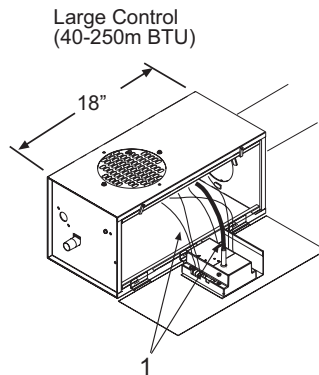
This kit is designed to replace an existing Honeywell module #S87J-1034 with a Fenwal module #35-6087J-1034 on tube heater models having small controls (20-75M BTU) and larger size controls (40-250M BTU).

CAUTION:

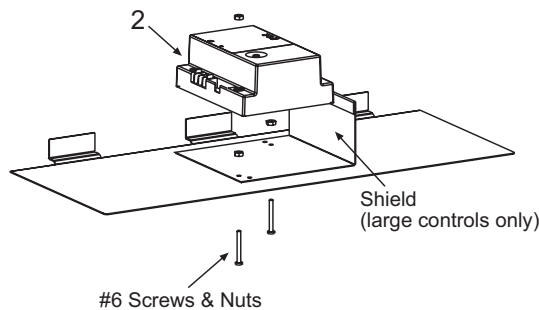
This conversion kit is to be installed by an authorized distributor or other qualified agency in accordance with the manufacturer's instructions and all codes and requirements of the authority having jurisdiction. Failure to follow instructions could result in serious injury, property damage or death. The qualified agency performing this work assumes responsibility for this conversion. **TURN OFF ALL ELECTRICAL AND GAS SUPPLIES TO THE CONTROL BEFORE MAKING THIS CONVERSION.**

INSTRUCTIONS (Control Units 40-250M BTU with Large Cabinet 18")

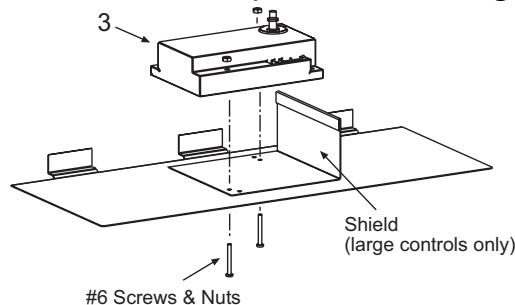
1. Disconnect wiring and ignition cable from the existing ignition module.



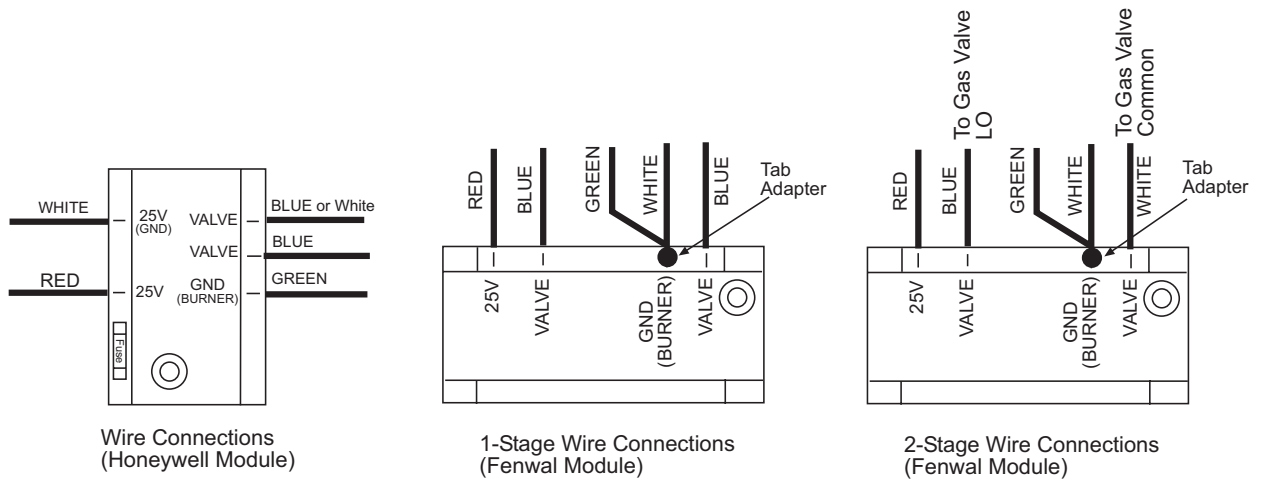
2. Remove the #6 screws and nuts holding existing module. **Note:** The screws and nuts will be re-used to attach the new module. Remove module from access door.



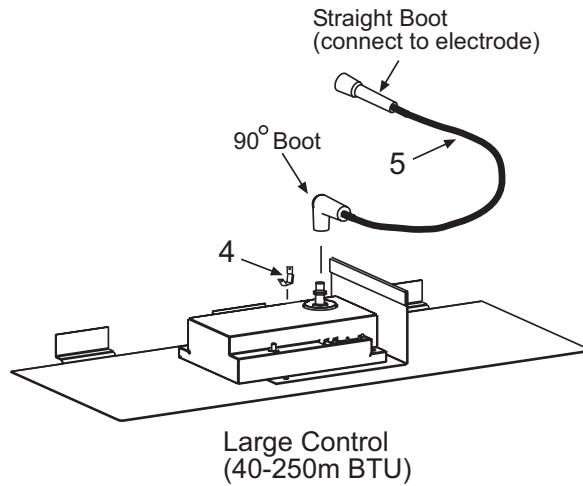
3. Place new module onto access door in the horizontal position shown and secure with the #6 screws and nuts removed earlier. **Note:** The lower spacer nuts are no longer required.



4. Place the 1/4" tab adapter (included in kit) onto the **GND (BURNER)** terminal of the new module.



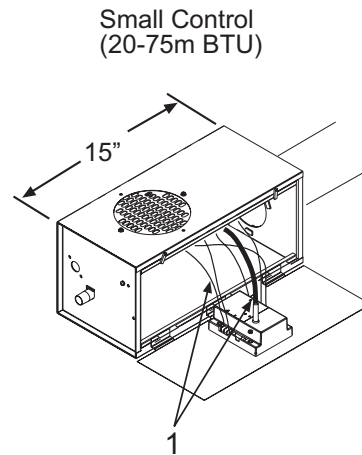
5. Reconnect the ignition cable with the 90 degree boot end onto the module terminal. Connect the straight boot end of the cable to the electrode. Reconnect all wires to new module. Refer to wiring connections above.



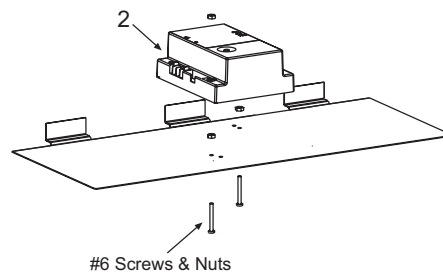
IMPORTANT: The orientation of boot is to provide clearance between the lead and the burner when the door is closed.

INSTRUCTIONS (Small Controls 20-75M BTU with Small 15" Cabinet)

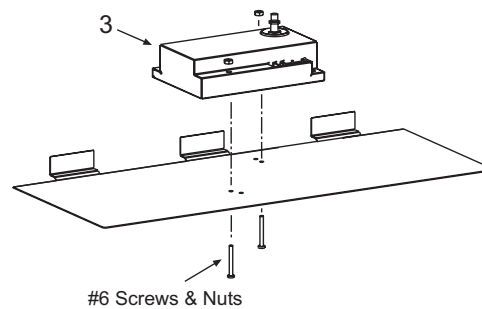
1. Disconnect wiring and ignition cable from the existing ignition module.



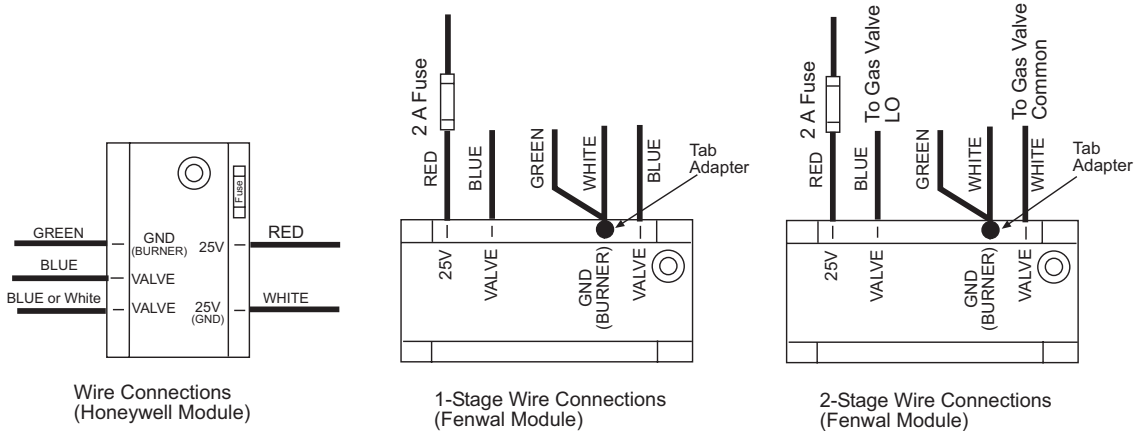
2. Remove the #6 screws and nuts holding existing module. **Note:** The screws and nuts will be re-used to attach the new module. Remove module from access door.



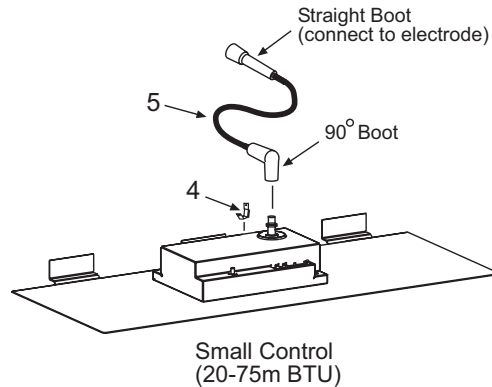
3. Place new module onto access door in the horizontal position shown and secure with the #6 screws and nuts removed earlier. **Note:** The lower spacer nuts are no longer required.



- Place the 1/4" tab adapter (included in kit) onto the **GND (BURNER)** terminal of the new module.



- Reconnect the ignition cable with the 90 degree boot end onto the module terminal. Connect the straight boot end of the cable to the electrode. Reconnect all wires to new module. Refer to wiring connections above.



IMPORTANT: The orientation of boot is to provide clearance between the lead and the burner when the door is closed.

- Remove the **red** wire previously connected to the 25V terminal of existing module and air switch. Replace this with the fuse holder wire assembly supplied with kit. The fuse holder is equipped with a 2amp 250vac fuse for circuit protection. Refer to wiring connections above.
- Place a new wire connection diagram to control cabinet.

Kit No. 44010010

Part No.	Description	Qty.
30632060	Ignition Module - Fenwal #35-6087J-1034	1
30399000	Tab Adapter - 1/4" Double Male/Female	1
42048020	Fuse Holder Wire Assembly (includes 2 amp fuse)	1
42706000	Wire Connection Diagram (20-75 BTU) - 1 Stage	1
42706020	Wire Connection Diagram (20-75 BTU) - 2 Stage	1
44011010	Form, Module Retrofit	1