

⚠ WARNING

Risk of electrical shock. Disconnect power before installation, servicing, maintenance or field wiring. Replace all panels before operating. Failure to do so can result in electrical shock causing severe injuries or death.

This kit may be mounted inside the NORTRON ECM Series Electric Furnace. It is a convenient way to supply 120 volt current to accessories such as furnace humidifiers and electronic air cleaners from the 240 volt supply used to operate the furnace. The power will be supplied to the accessory item when the furnace fan motor is on.

A "Neutral" wire, sized to Code must be run from the main panel to the furnace 240 volt terminal block.

TO INSTALL:

1. Turn off power at the main panel.
2. Remove the front door of the furnace.
3. Screw the kit into position inside the furnace to the top left of the PCB using the mounting holes provided.

WIRING THE KIT:

4. Connect the longer BLACK wire (included in FK120 ECM kit) between L2 of the 240V power distribution block and terminal 4 of the FK120 relay.
5. Connect the RED wire (included in FK120 ECM kit) to the C terminal on the PCB controller and terminal 0 of the FK120 relay.
6. Connect the WHITE wire (included in FK120 ECM kit) between N of the 240V power distribution block and the terminal block of the FK120 as pictured.
7. Connect the shorter BLACK wire (included in FK120 ECM kit) between terminal 1 of the FK120 relay and the G terminal on the PCB controller.

WIRING DIAGRAM FOR OPTIONAL FK120 ECM 120V KIT

