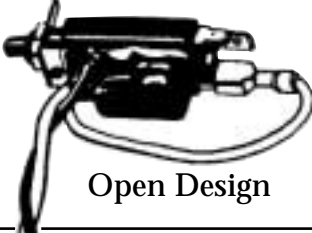


# Desa Common Safety Controls


## Flameout Safety Controls




**Open Design**

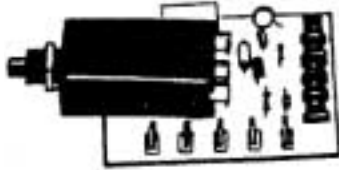
If you have this  
Old part no. M30719  
or M28898-03 . . .

. . . the replacement part  
is Part #HA3003






**Enclosed Design**

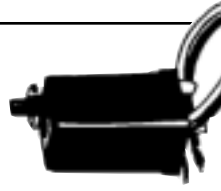


**Printed Circuit Board**

If you have this  
Old part no. M51060-03  
or M50671-02 . . .

. . . the replacement part  
is Kit #097528-01





**Solid State Relay**  
097061-01

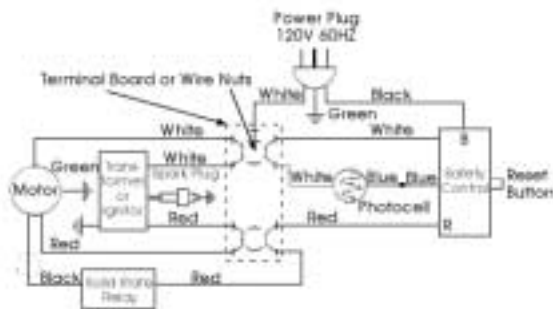
Both are used primarily on older 100,000 BTU Reddy, Master and Knipco Heaters.

One of the most common questions we get concerns converting the old 3 Wire Safety Controls, with the new 2 Wire Safety Control.

The adjoining space has the step by step instructions and the proper wiring diagram.

### Flame Out Safety Control Instructions

**! WARNING:** Never service heater while it is plugged in, operating, or hot. Severe burns and electrical shock can occur.



**Wiring Diagram**

**NOTE:** This wiring diagram shows the new style motor start relay which may not be in your heater.

### TOOLS REQUIRED

- 5/16" Nut Driver
- 9/16" Socket

1. Unplug Heater
2. Locate safety control by removing upper shell, side cover, or end cover. The location will vary depending on model.
3. Disconnect all electrical terminals connected to old safety control. Disconnect blue wire connected to photocell wire. Disconnect the white wire connected to terminal board or wire nut (depending on model).
4. Remove old safety control.
5. Install new safety control.
6. Refer to wiring diagram above, and connect wiring to new safety control as follows:
  - A. Red wire to "R" terminal of safety control.
  - B. Black wire to "B" terminal of safety control.
  - C. Blue safety control wire to blue photocell wire.\*
  - D. White safety control wire with remaining white wires.\*

\*NOTE: If heater is equipped with terminal board and blue and white wires on old safety control have terminals installed, the following instructions must be followed:

- A. Connect terminal on blue safety control wire with terminal on blue photocell wire.
- B. Connect terminal on white safety control wire to terminal block as shown in wiring diagram above.

If heater is equipped with wire nuts, and blue and white wires on old safety control do not have terminals installed, the following instructions must be followed:

- A. Using old safety control as a guide, cut off both terminals on new safety control.
- B. Strip wire insulation back 3/8" on blue wire and 9/16" on white wire of new safety control.
- C. If white power cord wire has a terminal, cut terminal off and strip insulation to 9/16".
- D. Make all connections with wire nuts previously used.
7. Install upper shell, side cover, or end cover that was removed in step 2.