

Fig. 3. Mounting and backplate dimensions in inches for L4029F.

At selected location, cut a hole in sheet metal to clear element guard, and drill holes for mounting screws. Remove cover (L4029E), insert element into hole, and fasten control securely with screws.

WIRING

CAUTION

Disconnect power before making wiring connections to prevent electrical shock and equipment damage.

All wiring must agree with local electrical codes and ordinances. See typical connections below.

Loads connected to the control terminals must not exceed the following electrical ratings (in amperes):

Table 1. Electrical Ratings.

	30 VAC	120 VAC	240 VAC
Full Load	2	10	5
Locked Rotor	—	60	30

0.25 amp full load at 0.25 to 12VDC.
1600 VA maximum connected load.

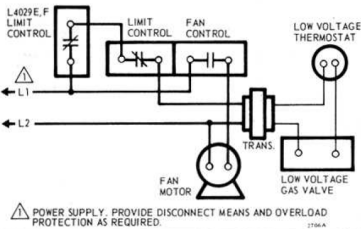


Fig. 4. Typical diagram of L4029E or F in gas-fired downflow furnace circuit.



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60-0069-03 M.S. Rev. 06-20 | Printed in United States

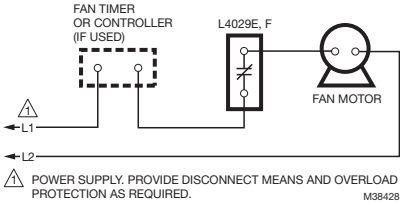


Fig. 5. Typical diagram of L4029E or F in ventilating fan circuit.

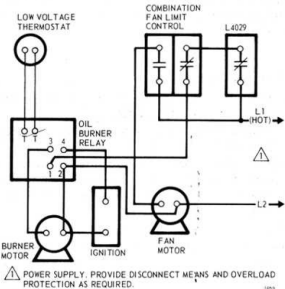


Fig. 6. Typical diagram of L4029E or F in oil-fired downflow furnace circuit.

CHECKOUT

There are no field adjustments to make on the L4029E or F.

To Reset

When the temperature has dropped approximately 25 degrees (F) below cutout point, push and release the button protruding through the cover.

- 1. If the limit control should require servicing or replacement, be sure to order by model number.
- 2. Never use a lighted match to heat the bimetal element for checking the operation.
- 3. Limit controls do not require lubrication.

Before leaving the job, check the installation as follows:

- 1. Disconnect the fan from its power supply.
- 2. Turn on the burner by operating the thermostat.
- 3. The L4029 will shut off the burner when the plenum temperature reaches the limit setting of the control.
- 4. If the L4029 fails to shut off the burner, check the installation and wiring carefully. Retest. If control still fails to shut off burner, replace control.