



Fig. 7. Wiring L8148J for multizone control.

OPERATION AND SETTING

High Limit

The high limit switch shuts off the burner when the boiler temperature exceeds high-limit setting. Because heating systems differ, the correct temperature setting for one system might not be correct for another. Follow the boiler manufacturer recommendation for proper setting. To set, remove cover, and turn dial until the desired setting is directly below the pointer.

The dial stop is factory-set at the high end of the limit scale. To adjust, use a small screwdriver to hold the stop away from the dial face, and turn the dial until the desired setting is below the pointer. See Fig. 8. Release pressure on screwdriver, and make sure the stop rests flat against the dial face.

⚠ WARNING

Explosion Hazard.

Can cause severe injury, death or property damage.

This product is intended for use only in systems with a pressure relief valve.

Switching Relay

The switching relay is controlled by the room thermostat. On a call for heat, the relay coil is energized, completing the line voltage circulator circuit and also the burner circuit, if the boiler water temperature is below the high limit setting.

Auto-Manual Switch

The AUTO-MANUAL switch (only L8148J millivolt models) makes it possible to operate the burner (in a system with a millivoltage gas valve) during an electrical power failure. With switch at MANUAL, the burner operates continuously until either the high limit setting is reached or the switch is reset to AUTO. The circulator, requiring line voltage, is inoperative. When power is restored, the switch must be set to AUTO to resume automatic burner operation.