

High Intensity Parts Instruction Sheet

MARK 10DX-24 Circuit Board Replacement

NOTE: To ensure safe operation, circuit boards must be replaced with factory supplied parts.

Contents

- MARK 10DX-24 (Channel Micro 50X or Fenwal Cat. No 35-60) Circuit Board.

Related Parts List

- **HVW-18:** High Voltage Spark Wire (sold separately).
- **32-508:** 3-Prong Spark Electrode (sold separately).
- **DRWH-24*:** Wire Harness for 10DX-24 Circuit Board (sold separately).

*The DRWH-24 wire harness is required when replacing the MARK 10-24 or MARK 10X-24 circuit board.

IMPORTANT: Prior to replacing the circuit board, check the gas valve and wiring for electrical shorts.

Installation Instructions

- 1 Disconnect electrical supply voltage to the heater.
- 2 Remove the junction box cover on heater.
- 3 Disconnect wiring from the old circuit board and remove.
- 4 Install new MARK 10DX-24 (Channel Micro 50X or Fenwal Cat. No 35-60) circuit board.
- 5 Plug DRWH-24 wiring harness onto the new circuit board.
- 6 Reconnect electrical power supply. Cycle heater to verify proper operation. Check wiring if heater malfunctions.

IMPORTANT: Proper grounding and polarity are essential for the proof of flame safety device. If the systems is not grounded to a positive earth ground, it is unable to determine the presence of flame and will lock out.

Lighting Instructions

- 1 Rotate heater's valve knob to "ON" position.
- 2 Close electrical circuit (usually thermostat).
- 3 If the heater fails to light, turn "OFF" gas, close electrical circuit and wait 5 minutes before repeating the steps above.

Shutdown Instructions

- 1 Open electrical circuit.
- 2 Rotate heater's valve knob to "OFF" position.

NOTE: If replacing any of the original wire supplied with the appliance, it must be with wiring material having a temperature rating of at least 105°C.

Figure 1 • Internal Wiring Diagram

