HC-9040

- The Murphy HC-9040 Ignition Powered Panel Tester allows you to test your panel for short circuits and insulation leaks in sensor leads or panel wiring.
- The HC-9040 is designed for testing Murphy Ignition Powered Panels incorporating 307PH-CD, LCDT, MARK II or IV Series Tattletale® annunciators and M25-CD or M50-CD Series fuel gas valves. The HC-9040 can test digital tachometers and loop monitors applied to negative ground CD ignition systems.

Description

The Murphy HC-9040 Ignition Powered Panel Tester allows you to test your panel for short circuits and insulation leaks in sensor leads or panel wiring.

The tester provides 160 to 180 VDC–nearly simulating ignition voltage and current conditions. The current-limited output provides sufficient current to operate TATTLETALE® annunciators (mechanical and digital) and fuel gas valves. The HC-9040 is designed for testing Murphy Ignition Powered Panels incorporating 307PH-CD, LCDT, MARK II or IV Series TATTLETALE® annunciators and M25-CD or M50-CD Series fuel gas valves. The HC-9040 can test digital tachometers and loop monitors applied to negative ground CD ignition systems. Contact Murphy for more details.

The HC-9040 connects to the panel's terminals by means of clip leads. **This operation can produce a spark, therefore the tester is to be used only in areas where there is no danger of ignitable gas mixtures.**

WARNING: Do not use Panel Tester in hazardous locations where an ignitable mixture of gases may accumulate.

The HC-9040 has two modes of operation: (1) apply 160 to 180 VDC for component operation testing; (2) indicate short circuits by making the lamp glow brightly or glow dimly to indicate insulation leakage.

Specifications

Power Requirements: Four "D" cell 1.5 V batteries–6 VDC total (DURACELL MN1300 batteries are recommended).

Output Voltage: 160 to 180 VDC.

Relative Humidity: Operates up to 95% relative humidity under conditions of no condensation.

Power On-Off Switch: Turns battery power ON or OFF. Bright glow of lamp indicates short circuit; dim glow indicates insulation leak.

Positive Output Terminal: 160 to 180 VDC output for use in testing component operation.

Common Terminal (COM): Common return for either output circuit.

Insulation Test Terminal: DC output in series with lamp to indicate short circuits or insulation leaks.

Figure 1. Typical Operational Test using Ignition Powered Panel Tester

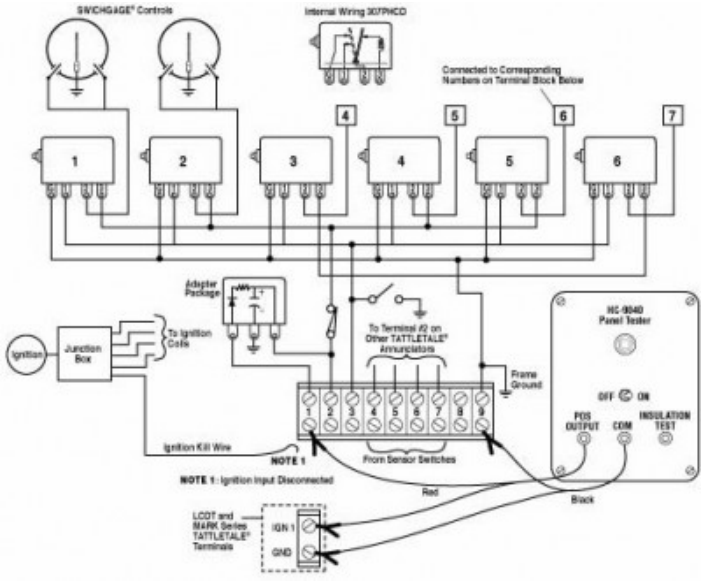

Figure 2. Typical Testing for Short Circuits or High Resistance Leaks

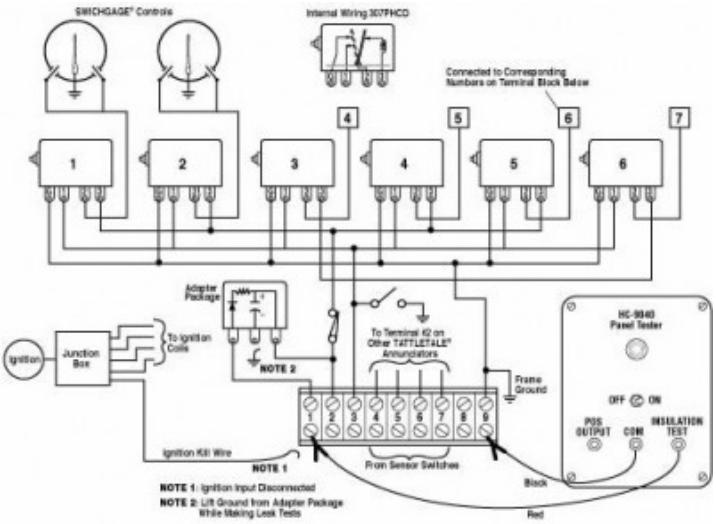

Figure 3. Typical Wiring Diagram