Test Switches can be placed at the end of a Linear Heat Detection Cable zone and are to be used for commissioning, system inspections, and testing of the system.

The RedGear Test Box is a heavy duty nonmetallic NEMA 4 (IP66) termination box. A foam-in-place gasketed lid attaches with stainless steel screws. All junction and termination boxes must use a Strain Relief Connector (Part #: RG1110) for all LHD Cable penetrations made in the test box. No hole saws are required to insert the Strain Relief Connector which secures and prevents damage to the LHD Cable, and seals the penetration from moisture and dirt helping prevent corrosion.

Test Switches are not recommended for systems connected directly to a suppression system.

### System Layout

![System Layout Diagram](image)

### Wiring Configuration

![Wiring Configuration Diagram](image)

### Specifications

**Test Switch**

- **Dimensions (W x H x D):** 4 5/8” x 4 1/8” x 4 5/8”
- **Weight:** 1.07 lbs (.49 kg)
- **Current Limitation:** Resistive
- **Rated Voltage:** 24VDC - 28VDC max.
- **Rated Current:** 100 mA max.
- **Leakage Current:** 1μA unless stated otherwise
- **Replaceable Fuse Rating:** 160mA per channel
- **Mounting Location:** Non-Hazardous or Class 1 Div.2
- **Temperature Effect:** <0.25%/10K
- **Short Circuit Proof:** Yes, unless stated otherwise
- **Frequency Range:** 100kHz at >50mA
- **Grounding Method:** Through mounting platform
- **Operating Temperature:** -4°F to +140°F (-20°C to 60°C)
- **Enclosure Mounting:** 35mm DIN Rail in HDJ/ELR Box
- **Humidity Range:** 95%, non-condensing