

SD169 ~ SMOKE DETECTOR



FEATURES

- ~ Low Profile
- ~ Self-Diagnostic
- ~ Four Wire
- ~ Photoelectric
- ~ Smoke Detector

INTRODUCTION

The SD169 self-diagnostic, four wire smoke detectors are the industry's first conventional direct - wire smoke detectors with analog features such as drift compensation and multi-criteria detection.

The SD169 continually monitor their own sensitivity and operational status, and provide a visual indication if they drift out of the sensitivity range or fail internal diagnostics. This meets NFPA 72 field sensitivity testing requirements without the need for external meters.

Time between cleaning detectors is dramatically increased because of the SD169 built-in drift compensation. This feature, usually only available in analog systems, allows the detector to automatically adjust its sensitivity over time as it become dirty, increasing dust life.

SPECIFICATION

Model	SD169
Voltage	12 or 24V DC
Maximum ripple (pk to pk)	10% (Vp - p)
Typical average standby current	70µA
Typical alarm current	35mA
Alarm contacts	500mA @ 36V DC (resistive)
Operating temperature	32°F to 100°F (0°C to 37°C)
Operating humidity range	0 to 95% Non-condensing
RFI Immunity	20V/m minimum; 0-100MHz
Color	White head and base
Field wiring size	12-24 AWG
Heat detector specifications	Rate of rise - 15°F/min and >105°F (8.3°C/min and >40.6°C) Fixed -135°F (57°C)
Drift compensation adjustment	1.0% per ft. max.
Listings	UL, CE, NFPA, BS, GS