



C-9SL Conventional Smoke Detector

Features:

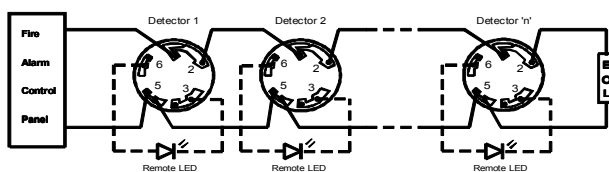
- Dual LED alarm indicators for 360° viewing angle, LED flashing in standby mode.
- Built-in output circuit to drive external LED indicator
- Advance sensor logic circuit with analog converter for smoke level discrimination algorithms
- Unique sensing chamber for smoke detection, with wrap around stainless steel wire mesh for protection against dirt, dust and flying insects

Principle of operation:

The operation of Mictron Series C Photoelectric Smoke Detector is based on the phenomenon that the amount of light incident upon a photo-diode by an LED, and it varies proportionately to the density of the smoke particles within the detection region.

The detection chamber consists of an LED and photo-diode arranged in such a manner that no light emitted by the LED can normally reach the photo-diode. When smoke particles enter the chamber, the light is scattered and some of the light falls on the photo-diode. This is converted into electronic signal, filtered and then used it to trigger the detection circuit to activate the alarm signal.

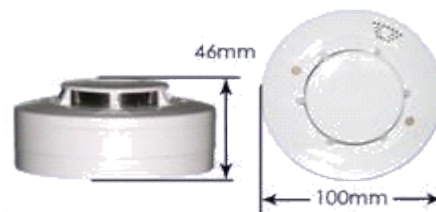
Wiring Detail:



Technical Specification:

Brand	: Mictron
Model	: Series C
Type	: Photoelectric
Part Number	: C-9SL
Rated Voltage	: 24V DC
Operating Voltage	: 12-28V DC
Standby Current	: 100uA
Alarm Current (max)	: 70mA
Permissible Current (max)	: 80mA
Smoke Sensitivity	: 0.09-0.14 dB/m
Light Source	: Infrared LED
Coverage Area	: 80m ² at 6m height
Temperature Range	: -10 to 50°C
Operating Humidity	: 95% RH (Non-condensing)
Remote Output	: 15mA with diode gate
Weight	: 130g with base
Material	: ABS
Dimension	: 100mm X 46mm (with base)
Colour	: White
Approved Standard	: EN 54-7, DIFT
Certificate Number	: 0845-CPD-232.1618

Dimension:



Ordering Information:

<u>Part Number</u>	<u>Description</u>
C-9SL	Smoke Detector With Mounting Base (1 set)
C-9SL-H	Smoke Detector Head Without Base
C-9SL-B	Detector Standard Mounting Base

Micro-CTL reserves the right to alter specification of its product without prior notice