



# Photoelectric Smoke Detector



Dual LED alarm indicators for 360° viewing angle



Built-in output circuit to drive external LED indicator



Advance sensor logic circuit with analog convertor 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



Dimensions	Technical Specifications	Principles of Operation								
	<p>Brand : Micron            Model : Series C            Type : Photoelectric            Part Number : C-9SL            Rated Voltage : 24V DC            Operating Voltage : 12-35V DC            Standby Current : 100uA            Alarm Current (max) : 70mA            Permissible Current (max) : 80mA            Light Source : Infrared LED            Coverage Area : 80m<sup>2</sup> at 6m height            IP Rating : IP42            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</p>	<p>The operation of Micron 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.</p> <p>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.</p>								
Ordering Details										
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Authorized Dealer:



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