



C-9HL Conventional Heat Detector

Features:

- Thermistor sensor is used for long term accuracy & reliability.
- Microprocessor based circuit for more accurate "rate of rise" temperature measurements
- Dual LED alarm indicators for 360° viewing angle, LED flashing in standby mode.
- Built in output circuit to drive external LED indicator

Principle of operation:

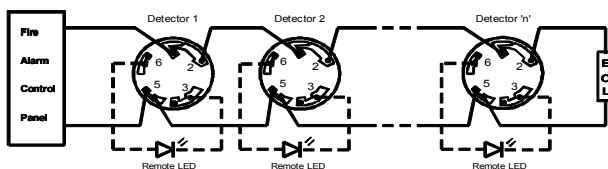
The Mictron Series C Rate of Rise (ROR) & Fixed Temperature heat detector uses a thermistor as a temperature sensor with a linear resistance characteristics. The built-in microprocessor with analog-to-digital convertor processes the input signal from the thermistor determine the fire condition. If the temperature exceeds the threshold value, or the rate of temperature rise exceeds the pre-programmed alarm value, a latching output circuit is triggered.

The thermistor sensor used in the Mictron heat detector resets when it returns to normal from the alarmed state and does not require replacement and maintenance. The heat detector is suitable for monitoring areas where steam or fumes is present, such as kitchens or engine rooms.

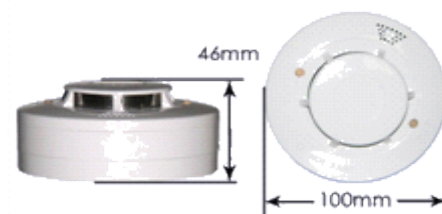
Technical Specification:

Brand	: Mictron
Model	: Series C
Type	: ROR & Fixed Temperature
Part Number	: C-9HL
Rated Voltage	: 24V DC
Operating Voltage	: 12-35V DC
Standby Current	: 55uA
Alarm Current (max)	: 50mA
Permissible Current (max)	: 80mA
Alarm Fixed Temperature	: 57°C
Temperature Source	: Thermistor
Coverage area	: 30m ² 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	: 160g with base
Material	: ABS
Dimension	: 100mm X 46mm (with base)
Colour	: White
Approved Standard	: EN 54-5, DIFT
Certificate Number	: 0845-CPD-232.1617

Wiring Detail:



Dimension:



Ordering Information:

Part Number	Description
C-9HL	Detector With Base
C-9HL-H	Detector Head Only
C-9HL-B	Detector Base Only

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