

# XG-C502

## Wired Heat Detector



## Overview

The XG-C502 is a high-precision, fixed-temperature heat detector designed to activate an alarm when the ambient temperature reaches 57°C. Unlike smoke detectors, it operates purely on temperature changes, making it ideal for use in environments where dust, smoke, or steam may cause false alarms.

It supports both 2-wire and 4-wire wiring systems, offering flexibility for integration with a wide range of fire alarm control panels.

## Key Feature

Heat Detection :	Activates alarm when temperature reaches a fixed point of 57°C
Wide Voltage Compatibility:	Operates on a DC 9V–35V power range
Flexible Wiring:	Supports both 2-wire and 4-wire configurations for easy system integration
Certified Safety:	Fully compliant with EN54-5:2008 standards and CE certified
Visual Alarm Indication:	Red LED illuminates during alarm state for easy identification
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## Application

The XG-C502 is a fixed-temperature heat detector that alarms at 57°C, suitable for areas where smoke detection fails, such as kitchens, garages, and industrial spaces with high dust or humidity.

## Specification

Model Number:	XG-C502
Detection Type	Heat (fixed temperature)
Trip Temperature	57°C
Operating Voltage:	DC 9V ~ 35V
Standby Current :	<ul style="list-style-type: none"> <li>2-Wire: ≤50μA</li> <li>4-Wire: ≤50μA (NO), &lt;16mA (NC)</li> </ul>
Alarm Current :	<ul style="list-style-type: none"> <li>2-Wire: 20–25mA @12V, 40–50mA @24V</li> <li>4-Wire: ≤40mA (NO), ≤20mA (NC)</li> </ul>
Operating Temperature :	-10°C ~ 50°C
Operating Humidity :	≤95% RH (non-condensing)
Alarm Indication:	Red LED
Material :	ABS
Dimensions:	ø103 mm × H55 mm
Wiring Options :	2-wire or 4-wire