

XG-C505

Wired Heat Detector



Overview

The XG-C505 is a compact and energy-efficient wired heat detector designed for accurate and fast heat-based fire detection. Featuring a fixed temperature trip point at 57°C, it is ideal for areas where smoke detection could lead to false alarms—such as kitchens, garages, and utility areas. It supports 2-wire system integration and includes a remote LED output, with reset via power-off functionality.

Constructed from durable ABS material and compliant with EN54-7:2008, the XG-C505 is CE certified and reliable for various residential and commercial safety installations.

Key Feature

Fixed Heat Detection:	Triggers alarm when temperature reaches 57°C—ideal for heat-sensitive locations
Simple Reset Mechanism:	Resets via power-off for easy system recovery
Remote LED Output:	Supports visual indication in 2-wire systems
Low Power Consumption:	Standby current $\leq 50\mu\text{A}$ for long-lasting performance
Visual Alarm Alert:	Red LED provides clear, instant alarm status
Compact & Durable Design:	Built with ABS flame-retardant material, suitable for tight installation spaces

Application

The XG-C505 is ideal for heat-sensitive or smoke-restricted areas such as kitchens, garages, mechanical rooms, and workshops, providing reliable fire detection through fixed-temperature heat sensing.

Specification

Model Number:	XG-C505
Operating Voltage:	DC 9V–35V
Standby Current	$\leq 50\mu\text{A}$
Alarm Current	40–50mA @24V
Temp. Trip Point	57°C
Alarm Indication	Red LED
Reset Method	Power off
Alarm Output	Remote LED for 2-wire systems
Contact Rating	N/A for 2-wire
Operating Temperature:	-10°C ~ +50°C
Operating Humidity:	$\leq 95\%$ RH (non-condensing)
Material:	ABS
Dimensions:	$\varnothing 98.5 \times \text{H}47.8 \text{ mm}$