XG-C503
Wired Heat Detector

Overview

The XG-C503 is a precision-engineered wired heat detector designed to detect rapid increases in ambient temperature caused by fire. It utilizes a fixed temperature sensing mechanism that triggers an alarm when the temperature reaches 57°C, making it an ideal choice for environments where smoke detection may cause false alarms or is ineffective.

Supporting both 2-wire and 4-wire configurations, the XG-C503 is compatible with most conventional fire alarm systems

Key Feature

Fixed Temperature Trip Point at 57°C :	Provides quick response to heat buildup
Dual Wiring Support:	Compatible with 2-wire and 4-wire systems
Wide Operating Voltage (DC 9V–35V):	Flexible for various system types
Low Standby Power Consumption:	≤50μA ensures long-term energy efficiency
High Alarm Current Capability :	Strong signal output for system reliability
Red LED Alarm Indicator:	Bright and easy to identify in alert mode

Application

The XG-C503 is designed for areas prone to false alarms, such as kitchens, boiler rooms, and workshops. It reliably detects fires by sensing fixed high temperatures (57°C), making it suitable for heat-sensitive or dusty environments.

Specification

Model Number:	XG-C503
Operating Voltage:	DC 9V–35V
Standby Current :	• 2-Wire: ≤50μA • 4-Wire: ≤50μA (NO) / ≤16mA (NC)
Alarm Current :	• 2-Wire: 20–25mA @12V / 40–50mA @24V • 4-Wire: ≤40mA (NO) / ≤20mA (NC)
Temperature Trip:	57°C
Alarm Indication:	Red LED
Operating Temperature:	-10°C ~ +50°C
Humidity:	≤95% RH (non-condensing)
Material:	ABS plastic
Standard Compliance:	EN54-5:2008
Dimensions:	⌀101 × H55 mm
Wiring Options:	2-wire or 4-wire optional