

XG-C405H

Wired Smoke & Heat Detector



Overview

The XG-C405H is a dual-function wired smoke and heat detector designed to provide enhanced fire detection through both photoelectric smoke sensing and fixed-temperature heat detection. This makes it especially effective in environments where smoke or heat alone may not reliably indicate a fire, such as kitchens, utility rooms, and industrial areas.

The detector operates within a 9V–35V range and supports 2-wire and 4-wire configurations for easy integration into fire alarm systems. It has a temperature trip point of 57°C, a visible red LED alarm indicator, and meets international fire safety standards EN54-7:2008 and EN54-5:2008, certified by CE.

Key Feature

Dual Detection:	Combines smoke and heat sensing for broader protection
Heat Detection Trigger:	Fixed temperature alarm at 57°C
Wide Voltage Compatibility:	Operates on DC 9V–35V systems
Flexible Wiring:	Supports 2-wire and 4-wire system setups
Certified Safety:	EN54-7 & EN54-5 compliant, CE certified
Energy Efficient:	Low standby current ($\leq 80\mu\text{A}$)
Durable Construction:	High-quality ABS housing
Visual Alarm Indication:	Red LED flashes during alarm state

Application

Ideal for kitchens, mechanical rooms, garages, warehouses, factories, and other environments prone to dust or heat, the XG-C405H offers an advanced layer of protection by detecting both smoke and abnormal heat rise.

Specification

Model Number:	XG-C405H
Operating Voltage:	DC 9V–35V
Standby Current:	$\leq 80\mu\text{A}$
Alarm Current:	$\leq 40\text{mA}$ @24V / $\leq 25\text{mA}$ @12V
Smoke Sensitivity:	0.08–0.16 dB/m
Alarm Indicator:	Red LED
Operating Temperature:	-10°C ~ 50°C
Operating Humidity:	$\leq 95\%$ RH (non-condensing)
Material:	ABS
Dimensions:	$\varnothing 103 \times \text{H}55 \text{ mm}$
Wiring Options:	2-wire or 4-wire