JTY-GF-TX3190C-F

Standalone Photoelectric Smoke Detector

Feature and Benefits

1. Two-way, dual-wavelength scattering technology, low false alarm rate.
2. Fully integrated chip design, strong anti-interference capability.
3. It has automatic compensation function.
4. Support infrared remote control silence.
5. Use FosLink wireless network, strong signal penetration.
6. Low power consumption and long service life.

Overview

The JTY-GF-TX3190C-F Standalone Photoelectric Smoke Detector (hereinafter referred to as the alarm) can detect the large amount of smoke produced during a fire and promptly issue an alarm signal. The alarm uses an excellent microcontroller (MCU) to complete the compensation for changes in external environmental parameters and fire alarm judgment through the fixed program inside the MCU. It is equipped with an internal FosLink wireless communication component, which is stable and reliable, allowing it to connect to a wireless gateway and is widely used for fire safety monitoring in residential homes and "nine small venues." The alarm has an internal buzzer that emits a strong sound after an alarm is triggered, and it also features an infrared remote mute function.

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Technical Specification

The main technical Specification of the controller are shown in the table.

Type	JTY-GF-TX3190C-F
Working voltage	DC3.0V (1 CR17450 lithium battery)
working current	Monitor current: ≤ 40uA Alarm current: ≤ 100mA
Alarm sound	greater than 80dB (3m in front, A-weighted)
Wireless communication frequency	470~510MHz
Wireless transmission power	≤ 17dBm
Maximum communication distance	open 300m
Protected area	60㎡~ 100㎡, the specific parameters shall be based on the "Design Code for Automatic Fire Alarm System" (GB 50116-2013)
Alarm status indication	Normal monitoring status: the green light flashes once every 75s, and the buzzer does not sound Alarm status: the red light flashes quickly and the buzzer makes an alarm sound Fault condition: ● Under voltage fault: the yellow light flashes about every 50s, and the buzzer makes a brief sound ● Dust accumulation fault: the yellow light flashes twice every 50s, and the buzzer makes two beeps ● Sensor failure: the yellow light flashes three times every 50s, and the buzzer makes three beeps
Usage environment:	temperature-10℃ ~+55 ℃ , relative humidity ≤95%RH, no condensation
Shell material and color	plastic pearl white
Weight	approximately 138g (including battery)
Shape size	Φ100mm x H51mm (including base)
Installation hole spacing	60mm
Implementation standard	GB 20517-2006 Independent smoke fire detection and alarm

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Names and Location

1. The size of the alarm is shown in Figure 1 (unit: mm)

buzzer

Self-check \ Mute
translucent button
(with indicator
function)
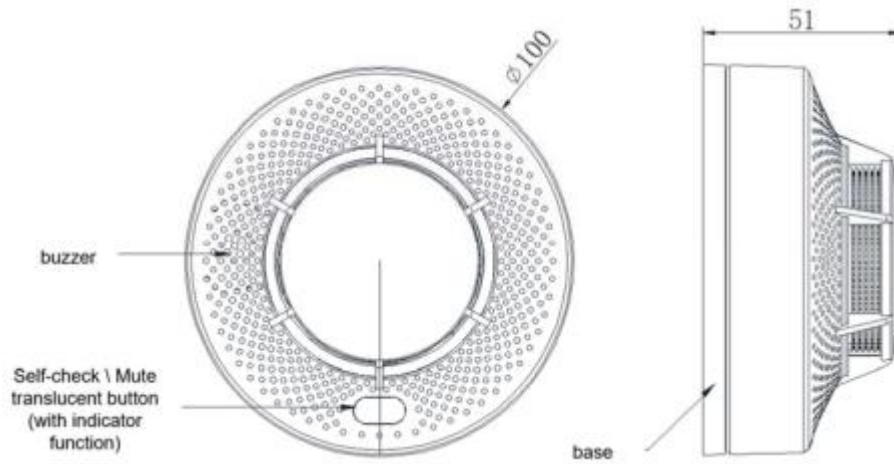
base

Figure 1 Schematic diagram of the alarm

2. Indicator lights and press keys description

Installation hole
spacing 60

Screws (2PCS)
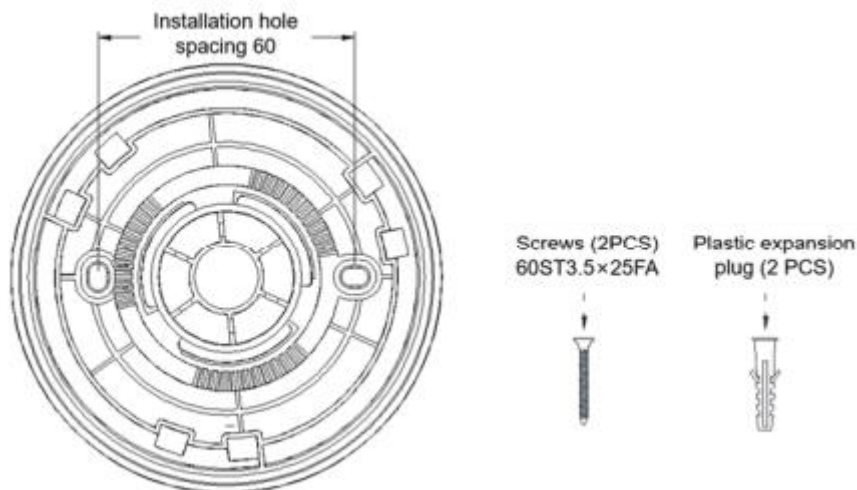60ST3.5×25FA

Plastic expansion
plug (2 PCS)

Figure 2 Screw dimensions of the alarm base and fixing accessories

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