

TX3180E

Standalone Heat detector



Feature and Benefits

1. Powered by external batteries.
2. 360° status indication.
3. Low monitoring current and alarm current.
4. It has self-check function, with sound-light indication.
5. It has battery under-voltage prompt function.
6. It has the function of constant temperature and differential temperature detection.
7. LoRa wireless communication technology is used, without wiring.

Overview

TX3180E standalone heat fire detector (AR) (hereinafter referred as to alarm) not only monitors fixed temperature alarm, but also monitors temperature rise rate. The alarm is powered by two 1.5V batteries. High-performance and high-integrated microprocessor and intelligent software algorithm are built in to analyze and estimate data collected by temperature sensor, and monitor environment temperature value and rate. This product can match with household fire alarm controller of our company, which is applicable to hotels, houses, apartments or places with much dust.

Main technology characteristics

Operating voltage: DC3.0V (two batteries, 1.5V FR14505/AA)

Operating current:

Monitoring current: <40uA

Alarm current: <40mA

Alarm type: AR



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For Better Protection

Alarm sound pressure level: the sound changes from low to high and is 45dB~75dB (A-weighted) at 3m right ahead.

Maximum communication distance: 1000m in open air

Alarm status indication:

Normal monitoring status: green indicator light flashes once every 50s and the buzzer does not sound.

Fault status: yellow indicator light flashes once every 50s and the buzzer sends a short alarm. Alarm status: red indicator light is normally on and the buzzer sends an alarm.

Operating environment: temperature $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$, relative humidity $\leq 95\% \text{RH}$, without condensation

Color: pearl white

Installation type: screwed into the base

Weight: about 125g (with base and battery)

Outline dimension: diameter :100.3mm, height :51mm (including base)

Standard: GB 30122-2013 *independent type heatfire detector*

GA 1151-2014 *General requirements for wireless communication function offire alarm system*



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