

JT-TR3106A(FosLink)

Household Combustible Gas Detector

Datasheet



Overview

JT-TR3106A(FosLink) Household Combustible Gas Detector (hereinafter referred to as the detector) , It can continuously monitor the indoor gas concentration, and send an audible and visual alarm signal when the gas leakage concentration reaches the alarm setting value, and upload it to the wireless gateway through the FosLink signal , At the same time, it can output a driving signal to control the connected solenoid valve to cut off the gas source, effectively preventing malignant accidents caused by gas leaks , This product is suitable for general industry and homes, hotels, apartments and other places.

Features

- Equipped with audible and visual alarm functions.
- Offers two output modes: active and passive.
- Supports sensor malfunction alerts and automatic lifespan detection,Support automatic detection of sensor faults and lifespan.
- Automatically recovers when the gas concentration drops below the alarm threshold (manual reset is required for the solenoid valve after activation).
- Uses FosLink network communication is adopted.
- Historical data recording and reading function.
- Designed for wall-mounted installation, ensuring ease of installation and convenience of use.

Technical Parameters

Working Voltage	AC220V 50Hz
Power Consumption	Normal monitoring status: $\leq 2.0W$ Alarm status: $\leq 2.5W$
Output Modes	DC 12V (pulse output, with a load capacity current $\leq 140mA$), quantity: 1 set Switching output (contact capacity: DC30V/1A), quantity: 1 set
Applicable Gas	Methane
Measurement Range	0–20% LEL
Alarm Setting Value	10% LEL
Sensor Lifespan	5 years (typical value)
Power-On Preheating Time	20 minutes

Wireless communication frequency	470MHz ~ 510MHz
Transmit power	≤17dBm
Maximum communication distance	300m open space
Detector status indication	<p>Preheating State:The green light remains steady.</p> <p>Normal Monitoring State:The green light flashes periodically (flashing cycle: 2 seconds)</p> <p>Fault Status:If the sensor malfunctions, the yellow light remains steady, and the buzzer beeps slowly and intermittently</p> <p>Sensor Lifespan Expired:The yellow light flashes, and the buzzer beeps slowly and intermittently, prompting sensor replacement</p> <p>Fire Alarm Status:The red light flashes, and the buzzer rapidly beeps intermittently.</p>
Iot communication unit status indication	<p>Normal monitoring state: The green light flashes once every 80 seconds</p> <p>Fault status: The yellow light flashes once every 80 seconds</p>
Networking Interface	Outputs normal monitoring signals (status information output every 20 hours), alarm signals, and alarm recovery signals
Historical Records	200 alarm records, 200 alarm recovery records, 100 fault records, 100 fault recovery records, 50 power-off records, 50 power-on records, and 1 sensor failure record, all of which can be read through external reading devices.
Usage Environment	<p>Temperature: -10°C to +55°C</p> <p>relative humidity: ≤ 95% RH, no condensation.</p>
Color	White
Dimensions	85mm × 85mm × 35mm (including base)
Weight	145g
Execution Standard	GB 15322.2-2019 "Combustible Gas Detectors Part 2: Household Combustible Gas Detectors"