




CFS® custom fire security solutions

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Safety is not a one-time shipment, but a 10-year responsibility.

Company Overview

CFS[®] (Shenzhen Fire Security Technology Co.,Ltd) was established in 2003, covers 2500 square meters and more than 100 staff members. A leading manufacturer of custom smoke and carbon monoxide alarms and a provider of fire security solutions with over 20 years of experience. Providing OEM and ODM solutions for 200 fire security brands and project partners' success in the EU, UK, USA, CA, and AU.

Unlike the alarm brands, CFS focuses on creating your unique fire alarm solutions to help your customers from engineering companies, real estate developers, schools, hotel groups, apartments, hospitals, houses, offices, factories, cinemas, opera houses, libraries, yachts, vehicles, and other locations sensitive to false alarms.

From sensor technology to brand implementation, CFS provides end-to-end customization for 200+ global fire security brands. CFS is supported by ISO9001 and BSCI standard , all products are complying with EN14604:2005/AC:2008, EN50291:2018, AS3786:2014 ,CE and RoHS.

CFS will try our best to offer more safety products and the best service for long term business relationship with our customers all over the world!





Standalone smoke alarm: 10Y battery

SM17

- Sensor Type : Photoelectric
- Supply: DC 2* 1.5V AA Alkaline battery or CR14505
- Built-in lithium battery
- Sensitivity : 0.09-0.17 dB/m
- Sound Output : > 85 dB at 3 meters
- Installation : Wall or ceiling
- Product standards : EN14604 : 2005 / AC : 2008
- Operation Current : 10 uA (standby) : < 70 mA (alarm)
- Certifications : CE, RoHS, EMC, REACH



Stand-alone smoke alarm





SM32

- Sensor Type : Photoelectric
- Supply: DC 3V CR123A
- Sensitivity : 0.09-0.17 dB/m
- Sound Output : > 85 dB at 3 meters
- Installation : Wall
- Product standards : EN14604 : 2005 / AC : 2008
- Operation Current : 10 uA (standby) : < 70 mA (alarm)
- Certifications : CE, RoHS, EMC, REACH



Stand-alone smoke alarm



Stand-alone smoke alarm: 10Y battery



SM02/SM03

- Sensor Type: Photoelectric
- Supply: DC3V built-in Lithium battery
- Sensitivity: 0.09-0.17 dB/m
- Sound Output: ≥ 85 dB at 3 meters
- Installation: Wall or ceiling
- Product standards: EN14604: 2005/AC: 2008
- Operation Current: < 10 μ A (standby); < 70 mA (alarm)
- Certifications: CE, RoHS, EMC, REACH



Stand-alone smoke alarm

SM02



SM03



Mini Stand-alone smoke alarm : 10Y battery



SM11

- Sensor Type: Photoelectric
- Supply: DC 2 *1.5V AA Alkaline battery or CR14505 built-in lithium battery
- Sensitivity: 0.09-0.17 dB/m
- Sound Output: ≥ 85 dB at 3 meters
- Installation: Wall or ceiling
- Product standards: EN14604: 2005/AC: 2008
- Operation Current: < 10 μ A (standby); < 70 mA (alarm)
- Certifications: CE ,RoHS, EMC,REACH



Stand-alone smoke alarm



Standalone:

without battery / 3 years battery / 10 years battery

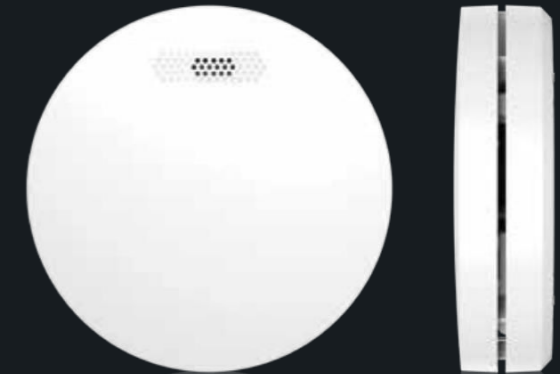


SM11R4/R8

- Battery Type: DC 2*1.5V AA Alkaline or DC 3V Lithium Battery
- Sensor type: Photoelectric
- Operation Current: < 10 uA (standby); <70 mA (alarm)
- Sound Output: > 85 dB(A) at 3 meters
- Sensitivity: 0.09 - 0.17 dB/m
- Low Battery: 2.6+/-0.1V
- Silence Time: approx. 10 minutes
- Radio Frequency: 868MHz / 433 MHz
- Product standard: EN14604: 2005/AC: 2008,AS3786
- Interlinked devices : Max 30pcs per group
- Certifications: CE, RoHS, EMC, REACH,RED



Wireless interlinked Smoke alarm



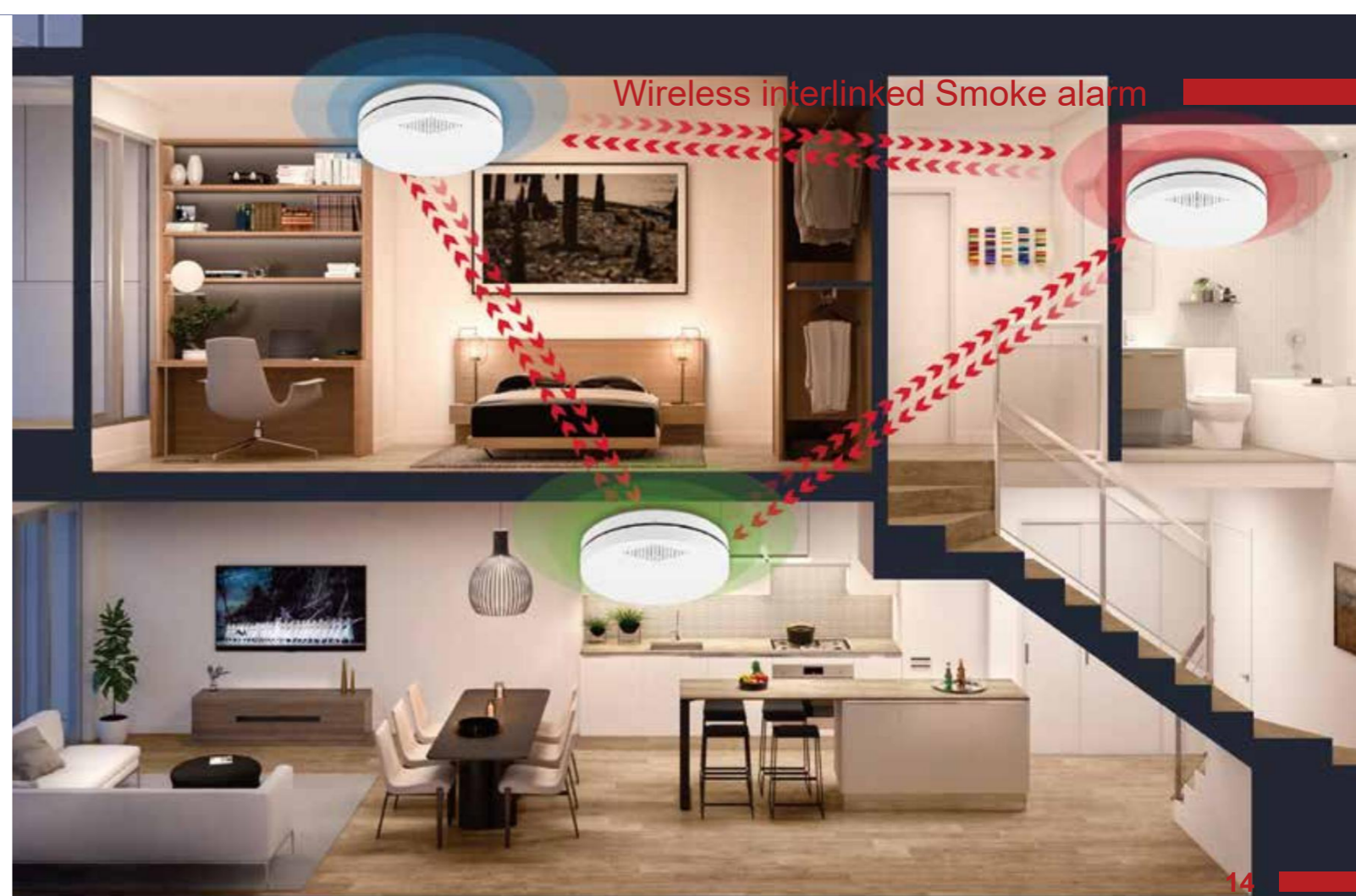
RF: without battery/3 years battery/10 years battery

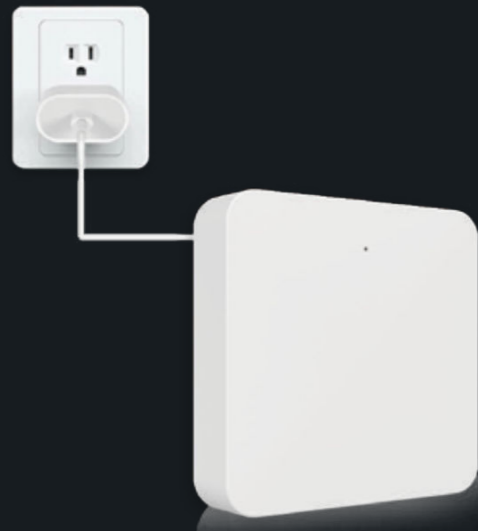


Interlinked smoke alarm: 10Y battery

SM17R

- Sensor Type : Photoelectric
- Supply: DC 2* 1.5V AA Alkaline battery or CR14505
- Built-in lithium battery
- Sensitivity : 0.09-0.17 dB/m
- Sound Output : > 85 dB at 3 meters
- Installation : Wall or ceiling
- Product standards : EN14604 : 2005 / AC : 2008
- Radio Frequency : 868 MHz / 433 MHz
- Operation Current : 10 uA (standby) : < 70 mA (alarm)
- Interlinked devices : Max 30pcs per group
- Certifications : CE, ROHS, EMC, REACH,RED





WiFi + interconnected gateway

WiFi + interconnected alarms

WG01

This is a newly developed gateway, which can connect all products directly to each other, and can send dangerous information through mobile phones, with the function of WiFi + interconnected



Tuya Wi-Fi Gateway





Tuya Wi-Fi Smoke alarm



SM17W

- Sensor Type : Photoelectric
- Supply: DC 2* 1.5V AA Alkaline battery or CR14505
- Built-in lithium battery
- Sensitivity : 0.09-0.17 dB/m
- Sound Output : > 85 dB at 3 meters
- Installation : Wall or ceiling
- Product standards : EN14604 : 2005 / AC : 2008
- Wi-Fi connectivity: Tuya Wi-Fi APP Control, 802.11 b/g/n
- Operation Current : 10 uA (standby) : < 70 mA (alarm)
- Certifications : CE, RoHS, EMC, REACH,RED



Wi-Fi smoke alarm: 10Y battery



WIFI: without battery / 3 years battery / 10 years battery

SM11W

- Sensor Type: Photoelectric
- Supply: DC 2*1.5V AA Alkaline battery or CR14505 built-in lithium battery
- Sensitivity: 0.09-0.17 dB/m
- Sound Output: ≥ 85 dB at 3 meters
- Installation: Wall or ceiling
- Wi-Fi connectivity: Tuya Wi-Fi APP Control, 802.11 b/g/n
- Product standards: EN14604: 2005/AC: 2008
- Operation Current: < 10 uA (standby); < 70 mA (alarm)
- Certifications: CE, RoHS, EMC, REACH,RED





Wifi + Wired interconnect smoke detector + backup battery /10Y battery

SM22

- Power: Main power supply :AC 220v-240V 50Hz
- Backup power supply: DC 3V
- Battery Package:CR123A Lithium Battery,1500mAh
- Operation Current: <25uA (standby); <90mA (alarm)
- Alarm Volume: >85 dB(A) at 3 meters
- Alarm Sensitivity: 0.09 - 0.17 dB/m
- Battery Low Battery: 2.6 ± 0.1 V
- RF frequency : 433.92MHz or 868MHz (customized option)
- Wi-Fi connectivity: Tuya Wi-Fi APP Control, 802.11 b/g/n
- Product standards: EN14604:2005/AC:2008 ,AS3786 : 2014+A1+A2
- Certifications: CE, RoHS, EMC, REACH,RED





CO05



CO06

Standalone CO alarm : Without battery or 3Y battery

CO05/CO06

- Battery Type : DC2*1.5V AA Alkaline Battery
- CO sensor : Electrochemical sensors
- Low Battery : 2.6 ± 0.1 V
- Alarm Volume : >85 dB(A) at 3 meters
- Silence Time : approx. 10 minutes
- CO Sensitivity : 50ppm 60~90min
 100ppm 10~40min
 300ppm <3min
- Humidity Range : 15% to 95% R.H. (non-condensing)
- Operation Current : <30uA (standby); <70mA (alarm)
- Operation temperature : -10° C~40° C
- Standard : EN50291-1:2018, EN50291-2:2019
- Certifications: CE, RoHS, EMC, REACH



Stand-alone Carbon monoxide alarm



CO08

- Power : DC 2*1.5V,AA Alkaline Battery(replaceable)
- Operation Current: : standby :<50 uA,
alarm : <50 mA
- Operation Voltage: 2.5V 3.3V
- Low Battery: 2.6 ± 0.1 V
- Alarm Volume: >85 dB(A) at 3 meters
- CO sensor: Electrochemical sensors, 10 years lifetime
- CO Sensitivity: 50ppm 60~90min
100ppm 10~40min
300ppm <3min
- Silence Time:approx. 9 minutes
- Low batteryapprox.:12 hours
- Fault of CO sensor approx.: 12 hours
- Work Temperature: 0° C to 40° C
- Work Humidity: 15% to 95% R.H. (non-condensing)
- Complied Standard: EN50291-1:2018;EN50291-2:2019
- Certifications: CE, RoHS, EMC, REACH



Stand-alone Carbon monoxide alarm



Stand-alone CO alarm: : 3Y battery



Standalone CO alarm: 10Y battery

CO11

- Power: DC 3V, Lithium Battery
- Operation Current: <30uA (standby); <70mA (alarm)
- Alarm Volume: >85 dB(A) at 3 meters
- CO sensor: Electrochemical, 10 years lifetime
- CO Sensitivity: 50ppm 60~90min;
100ppm 10~40min;
300ppm <3min
- Low Battery: 2.6 ± 0.1 V
- Silence Time: approx. 10 minutes
- Operating Temperature: 40°F (4.4°C) to 100°F (37.8°C)
- Humidity Range: 15% to 95% R.H. (non-condensing)
- Dimension: 120*79*27.5mm
- Mount Location: Wall/Desktop
- Standard : EN50291-1:2018, EN50291-2:2019
- Certifications: CE, EMC, RoHS, REACH



Stand-alone Carbon monoxide alarm





Wireless interlinked Carbon monoxide alarm

CO05R

- Battery Type : DC 2*1.5V AA Alkaline Battery
- CO sensor : Electrochemical sensors
- Low Battery : 2.6 ± 0.1 V
- Alarm Volume : >85 dB(A) at 3 meters
- Silence time : approx. 10 minutes
- CO Sensitivity : 50ppm 60~90min
100ppm 10~40min
300ppm <3min
- Humidity Range : 15% to 95% R.H. (non-condensing)
- Operation Current : $<30\mu$ A (standby); <70 mA (alarm)
- Operation temperature : -10° C~ 40° C
- Frequency : 433.92MHz
- Working distance : Up to 100m (Outdoor open)
- Interlinked devices : Max 30pcs per group
- Standards : EN50291-1:2018, EN50291-2:2019
- Certifications: CE, RoHS, EMC, REACH,RED



Interlinked CO alarm : Without battery or 3Y battery



Wireless interlinked Carbon monoxide alarm

CO11R

- Power: DC 3V, Lithium Battery
- Operation Current: <30uA (standby); <70mA (alarm)
- Alarm Volume: >85 dB(A) at 3 meters
- CO sensor: Electrochemical sensors, 10 years lifetime
- CO Sensitivity: 50ppm 60~90min;
100ppm 10~40min;
300ppm <3min
- Low Battery: 2.6 ± 0.1 V
- Silence Time: approx. 10 minutes
- Operating Temperature: 40°F (4.4°C) to 100°F (37.8°C)
- Humidity Range: 15% to 95% R.H. (non-condensing)
- RF connectivity: Frequency : 433.92MHz
- Working distance: Up to 100m (Outdoor open)
- Interlinked devices: Max 30pcs per group
- Dimension: 120*79*27.5mm
- Mount Location: Wall/Desktop
- Standard: EN50291-1: 2018, EN50291-2:2019
- Certifications: CE , EMC, RED, RoHS, REACH



Interlinked CO alarm: 10Y battery



WiFi CO alarm: 10Y battery

CO11W

- Power: DC 3V, Lithium Battery
- Operation Current: <30uA (standby); <70mA (alarm)
- Alarm Volume: >85 dB(A) at 3 meters
- CO sensor: Electrochemical sensors, 10 years lifetime
- CO Sensitivity: 50ppm 60~90min;
100ppm 10~40min;
300ppm <3min
- Low Battery: 2.6 ± 0.1 V
- Silence Time: approx. 10 minutes
- Operating Temperature: 40° F (4.4° C) to 100° F (37.8° C)
- Humidity Range: 15% to 95% R.H. (non-condensing)
- Wi-Fi connectivity: Tuya Wi-Fi APP Control, 802.11 b/g/n
- Dimension: 120*79*27.5mm
- Mount Location: Wall/Free Standing
- Standard : EN50291-1:2018, EN50291-2:2019
- Certifications: CE, EMC, RoHS, REACH, RED



Tuya Wi-Fi Carbon monoxide alarm





CS11



CS13



CS14

CS11/CS13/CS14

- Power: DC 3V, Lithium Battery
- Operation Current: <30uA (standby); <70mA (alarm)
- Alarm Volume: >85 dB(A) at 3 meters
- Smoke Sensitivity: 0.09 - 0.17 dB/m
- CO sensor: Electrochemical, 10 years lifetime
- CO Sensitivity: 50ppm 60~90min;
- 100ppm 10~40min;
- 300ppm <3min
- Low Battery: 2.6 ± 0.1 V
- Silence Time: approx. 10 minutes
- Operating Temperature: 40° F (4.4° C) to 100° F (37.8° C)
- Humidity Range: 15% to 95% R.H. (non-condensing)
- Standard : EN14604: 2005/AC: 2008 & EN50291-1: 2018, EN50291-2:2019
- Certifications: CE, RoHS, EMC, RED, REACH



Standalone combination alarm: 10Y battery

Stand-alone Smoke and carbon monoxide combo alarm





CS11R



CS13R



CS14R

CS11R/CS13R/CS14R

- Power: DC 3V, Lithium Battery
- Operation Current: <30uA (standby); <70mA (alarm)
- Alarm Volume: >85 dB(A) at 3 meters
- Smoke Sensitivity: 0.09 - 0.17 dB/m
- CO sensor: Electrochemical, 10 years lifetime
- CO Sensitivity: 50ppm 60~90min;
100ppm 10~40min;
300ppm <3min
- Low Battery: 2.6 ± 0.1 V
- Silence Time: approx. 10 minutes
- Operating Temperature: 40°F (4.4°C) to 100°F (37.8°C)
- Humidity Range: 15% to 95% R.H. (non-condensing)
- RF connectivity: Frequency : 433.92MHz (For CS11R)
- Working distance : Up to 100m (Outdoor open)
- Interlinked devices: Max 30pcs per group
- Standard : EN14604: 2005/AC: 2008 & EN50291-1: 2018 , EN50291-2:2019
- Certifications: CE, RoHS, EMC, RED, REACH



Interlinked combination alarm : 10Y battery

Wireless interlinked Smoke and carbon monoxide combo alarm





CS11W/CS13W/CS14W

- Power: DC 3V, Lithium Battery
- Operation Current: <30uA (standby); <70mA (alarm)
- Alarm Volume: >85 dB(A) at 3 meters
- Smoke Sensitivity: 0.09 - 0.17 dB/m
- CO sensor: Electrochemical, 10 years lifetime
- CO Sensitivity: 50ppm 60~90min;
100ppm 10~40min;
300ppm <3min
- Low Battery: 2.6 ± 0.1 V
- Silence Time: approx. 10 minutes
- Operating Temperature: 40°F (4.4°C) to 100°F (37.8°C)
- Humidity Range: 15% to 95% R.H. (non-condensing)
- Wi-Fi connectivity: Tuya WiFil APP Control, 802.11 b/g/n
- Standards : EN14604: 2005/AC: 2008 & EN50291-1: 2018 , EN50291-2:2019
- Certifications: CE, RoHS, EMC, RED, REACH



Tuya Wi-Fi Smoke and carbon monoxide combo alarm



CS11W



CS13W



CS14W



Wi-Fi combination alarm : 10Y battery



HD11R/HD12R

- Supply: DC 3V built-in lithium battery
- Sensitivity: 0.09-0.17 dB/m
- Sound Output : ≥ 85 dB at 3 meters
- Wireless connect methods: RF433MHz or RF868MHz
- Product standards: EN14604: 2005/AC: 2008
- Certifications: CE, EMC, RoHS , REACH



Wireless interlinked Heat alarm



Interlinked heat alarm : 10Y battery



Wireless interlinked Smoke and Heat alarm

SM11HR

- Power: DC 3V Lithium battery (CR14505)
- Current: <math><30\mu\text{A}</math>(standby); <math><70\text{mA}</math>(alarm)
- Sound Output: >85 dB(A) at 3 meters
- Heat Sensitivity: 54~72 °C
- Alarm Sensitivity: 0.09-0.17 dB/m
- Low Battery: 2.6±0.1 V
- Silence Time: approx. 10 minutes
- Frequency: 433.92MHz or 868MHz(Customized)
- Working distance: Up to 100m (Outdoor open)
- Interlinked devices: Max 30pcs per group
- Working Mode: smoke alarm or heat alarm(convertible)
- Comply to Standards: EN14604:2005/AC: 2008/BS 5446-2: 2003
- Certifications: CE, RoHS, EMC, REACH



Interlinked Smoke&Heat: 10 years battery



WiFi Gas detector

GC01W

- Sensor: Electrochemical
- Power : 12V DC power adapter
- Alarm Volume: ≥ 85 dB(3M dB BOX@12VDC)
- Operation temperature : 0~40°C
- Operation humidity : 0-93%RH
- CO Sensitivity: 50ppm 60~90min
100ppm 10~40min
300ppm <3min
- Gas Sensitivity: 8.0LEL%
- Silence time: approx. 6minutes
- Wireless Connect Method: 2.4G WiFi (Tuya or Smart Life app)



Tuya Wi-Fi Gas detector





GC01

- Sensor: Electrochemical
- Power: 12V DC power adapter
- Alarm Volume: ≥ 85 dB(3M dB BOX@12VDC)
- Operation temperature : 0~40°C
- Operation humidity : 0-93%RH
- CO Sensitivity: 50ppm 60~90min
100ppm 10~40min
300ppm <3min
- Gas Sensitivity: 8.0LEL%
- Silence time: approx. 6minutes



Stand-alone Gas detector



Standalone Gas detector



Interlinked Gas detector

GC01R

- Sensor: Electrochemical
- Power : 12V DC power adapter
- Alarm Volume: ≥ 85 dB(3M dB BOX @12VDC)
- Operation temperature : 0~40°C
- Operation humidity : 0-93%RH
- CO Sensitivity: 50ppm 60~90min
100ppm 10~40min
300ppm 1~3min
- Gas Sensitivity: 8.0LEL%
- Silence time: approx. 6minutes
- Frequency : 433.92MHz
- Working distance : Up to 100m (Outdoor open)
- Interlinked devices : Max 30pcs per group



Wireless interlinked Gas detector





YK01

- Battery type: 23A 12V
- Remote Distance(typical): 10m
- RF frequency: 433MHZ pr 868MHZ(optical)
- Standby Current: 8uA
- Dimensions: 40mm *15mm*92mm



Wireless interlinked remote control



Digital Remote Control



WiFi Door Window Sensor

DY-MC400A

- WiFi: 802.11 b/g/n
- Input voltage: DC3V LR03
- Quiescent Current: $\leq 45\mu\text{A}$
- Alarm Current: $\leq 130\text{mA}$
- Magnetic Control Distance: $\geq 15\text{mm}$
- Low power undervoltage: $\leq 2.4\text{V}$
- Working Temperature: $-10 \sim 50^\circ\text{C}$
- Working Humidity: Max 95% RH



Tuya Wi-Fi home security

