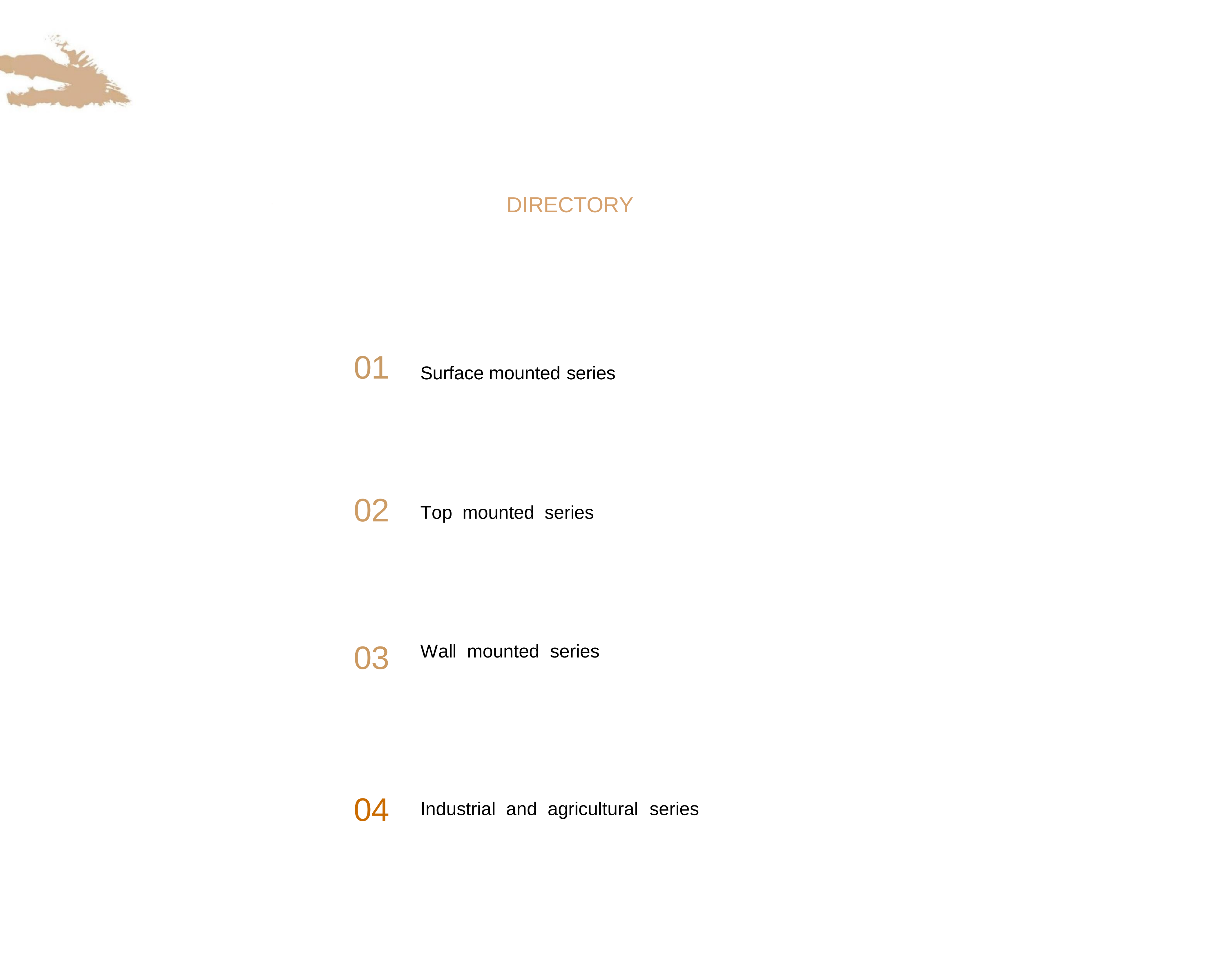




Lot sensor technology node provider



DIRECTORY

- 01 Surface mounted series
- 02 Top mounted series
- 03 Wall mounted series
- 04 Industrial and agricultural series



01

Surface mounted series

01

Surface mounted series



Wireless Gateway

The control center of ZigBee sub equipment,together with the sub equipment,constitutes a local area network system

Technical Parameter	
Power input:	100V-240V (adapter)
working temperature :	-10℃~55℃
Working humidity :	10%-99%RH(no condensation)
Communication method :	ZigBee 2.4G+WIFI
Body material:	PC+ABS
network platform:	☐ tuya ☐ other
transmission distance :	≤130M(visible distance)
Installation method :	Ceiling mounted/wall mounted
Product sizesize:	8 5 mmx 3 0 mm

01 Surface mounted series



Thermal imaging fall sensor

Application scenarios:nursing homes,family bedrooms,maternity centers,and other scenarios.

Technical Parameter	
Power input :	100V-240V (adapter)
working temperature:	-10℃~55℃
Working humidity:	10%-99%RH(no condensation)
Body material:	PC+ABS
way of working:	Thermal imaging
detection distance:	3m
network platform:	☐ tuya ☐ other
transmission distance:	≤130M(visible distance)
Communication method :	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Product size :	85×30 mm
installation height :	40-50cm

01

Surface mounted series



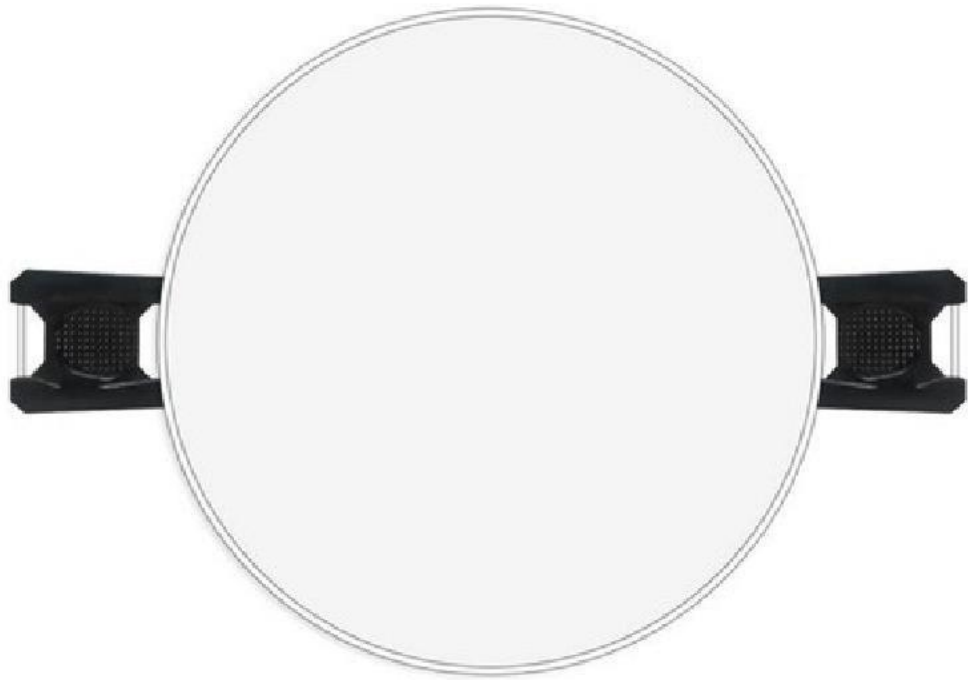
Vital Sign Sensor

Application scenarios:nursing homes,family bedrooms,maternity centers,kindergartens,and other scenarios.

Technical Parameter	
Power input:	100V-240V
working temperature	-10℃~55℃
Working humidity:	10%-99%RH(no condensation)
Body material:	PC+ABS
way of working:	60G
Monitoring Angle:	Beam azimuth width±60°
Detection range:	0.4~1.5m
network platform:	☐ tuya ☐ other
Transmission distance:	≤130M(visible distance)
Communication method :	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation and dimensions:	Wall mounted 92x120mm

01

Surface mounted series



Human presence sensor

Application scenarios:family housing,intelligent buildings,
and other scenarios.



Technical Parameter		
Power input:	100V-240V (adapter)	
working temperature:	-10℃~55℃	
Working humidity:	10%-99%RH(no condensation)	
Body material:	PC+ABS	
working frequency :	☐ 24G ☐ 5.8G	
Motion detection range :	9m	
Presence of detection range :	Φ6m	
network platform :	☐ tuya ☐ other	
Communication method:	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G	
Installation and dimensions	Ceiling 92x37mm	Ceiling exposed installation 92x45mm
	Wall mounted Φ 92x120mm	
Installation hole size :	Φ 80mm	

01

Surface mounted series



Indoor environment monitor

Application scenarios:family housing,intelligent buildings,
and other scenarios.



Technical Parameter	
Power input:	100V-240V(adapter)
working temperature :	-10℃~55℃
Working humidity:	10%-99%RH(no condensation)
Body material:	PC+ABS
Reporting frequency:	actual time
network platform :	☐ tuya ☐ other
transmission distance:	≤130M(visible distance)
Communication method:	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Function selection:	☐ PM1.0、 ☐ PM2.5、 ☐ PM10 ☐ CO2
	☐ HCHO ☐ VOC、 ☐ T&H
Installation method	Ceiling mounted/wall mounted
Product size :	Φ85mmx 30mm

01

Surface mounted series



Smoke sensor

Application scenarios : family housing,intelligent
buildings and other scenarios

Technical	Parameter
Power input	DC3V (AAA*2battery)
Battery life:	More than 3 years (replaceable)
Low battery warning	support
working temperature	-10℃~55℃
Working humidity	10%-99%RH (no condensation)
Body material	PC+ABS
Alarm mode	Audible and visual alarm
Alarm sound pressur	3 meters directly ahead ≥80db
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation method	Ceiling mounted/wall mounted
Product size	φ 90mmx37mm

01

Surface mounted series

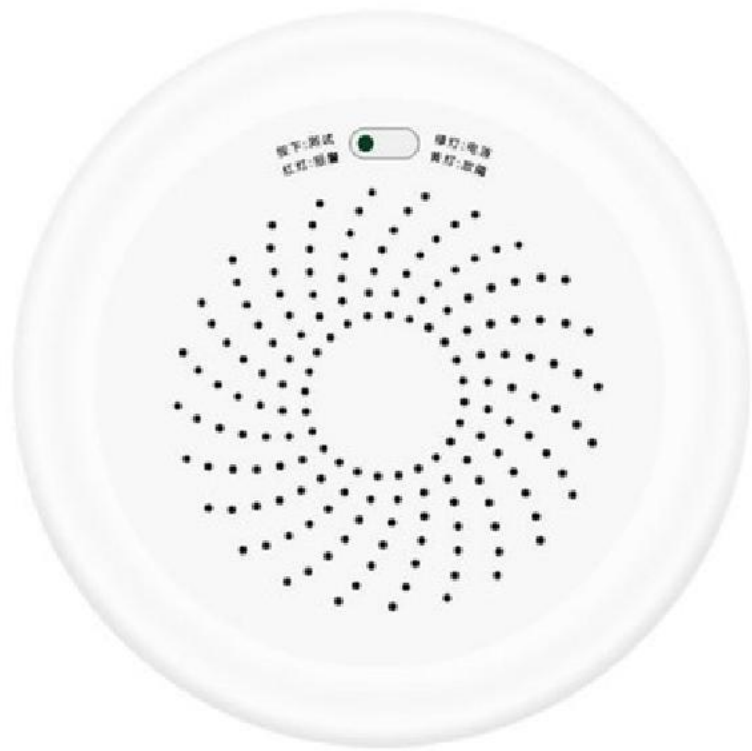


Smoke control alarm sensor

Application scenarios:family housing,intelligent buildings,
and other scenarios.

Technical Parameter	
Power input:	DC3V (CR123A*1 battery)
Battery life :	More than 3 years (replaceable)
Low battery warning :	support
working temperature :	-10℃~55℃
Operating humidity :	10%-99%RH(no condensation)
Body material:	PC+ABS
Alarm mode	Audible and visual alarm
Alarm sound pressure	3 meters directly ahead ≥80db
network platform:	☐ tuya ☐ other
Communication method :	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation method:	Ceiling mounted/wall mounted
Product size :	Φ90mm×37mm

01Surface mounted series



Gas sensor

Application scenarios:Clean scenes such as family homes and intelligent buildings.

Technical	Parameter
Power input	100V-240V(adapter)
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
Body material	PC+ABS
Detect gas	CH4
Alarm concentration	8%LEL(natural gas)
Concentration error	±3%LEL
Alarm mode	Audible and visual alarm
Alarm sound pressure	3 meters directly ahead ≥80db
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation method	Ceiling mounted/wall mounted
Product size	φ85mm×30m

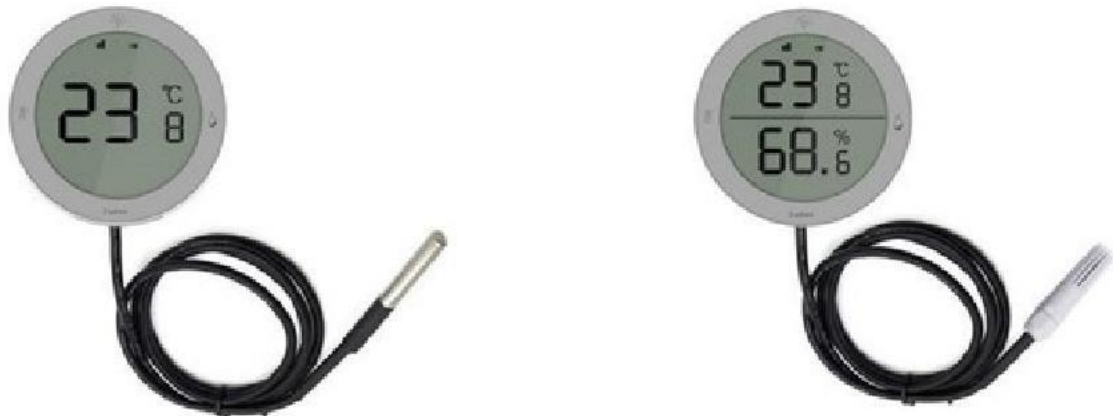
01 Surface mounted series



Temperature and humidity sensor

Application scenarios:family housing,intelligent buildings,and other scenarios.

Other :



Technical	Parameter
Power input	DC3V (AAA*2battery)
Battery life	More than 2 years (replaceable)
Low battery warning	support
working temperature	-10℃~ 55℃
Operating humidity	10%-99%RH(no condensation)
Body material	PC+ABS
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation method	Desktop/wall hanging
Product size	Φ61mm x 23.5mm

01 Surface mounted series



temperature and humidity sensor

Application scenarios:family housing,intelligent buildings,and other scenarios.

Technical	Parameter
Power input	DC3V (CR2032battery)
Battery life	More than1 2 years (replaceable)
Low battery warning	support
working temperature	-10℃~ 55℃
Operating humidity	10%-99%RH(no condensation)
Body material	PC+ABS
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ BLUE ☐ matter
Product size	Φ 50mmx17mm

01

Surface mounted series



Water immersion sensor

Application scenarios:family housing,intelligent buildings,and other scenarios.

Technical	Parameter
Power input	DC3V (CR2032battery)
Battery life	More than 2 years (replaceable)
Low battery warning	support
working temperature	-10℃~ 55℃
Operating humidity	10%-99%RH(no condensation)
Body material	PC+ABS
IP level	IP67
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ BLUE ☐ matter
Product size	Φ 50mmx17mm

01

Surface mounted series



Application scenario:indoor perception of human or animal movements and other scenarios.

Technical Parameter	
Power input	DC3V (CR2450battery)
Battery life	More than 1 year or 40000 operations (replaceable)
Low battery warning	support
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
Body material	PC+ABS
Detection distance	8m
Detection angle	120°
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ BLUE ☐ matter
Installation height	≤2.2m
Product size	Φ80mmx142mmx36.5mm

01

Surface mounted series



Door magnetic sensor

Application scenarios:family housing,intelligent buildings,
and other scenarios.

Technical Parameter	
Power input:	DC3V (CR2032battery)
Battery life:	More than 1 year or 300000 operations(replaceable)
Low battery warning:	support
Alarm trigger distance:	20±5mm
working temperature:	-10℃~55℃
Operating humidity:	10%-99%RH(no condensation)
Body material:	PC+ABS
network platform:	☐ tuya ☐ other
Communication method:	☐ ZigBee ☐ BLUE ☐ matter
Product size:	Φ 52mm×29mm×11mm
	Φ 45.5mm×11mm×11mm

01

Surface mounted series

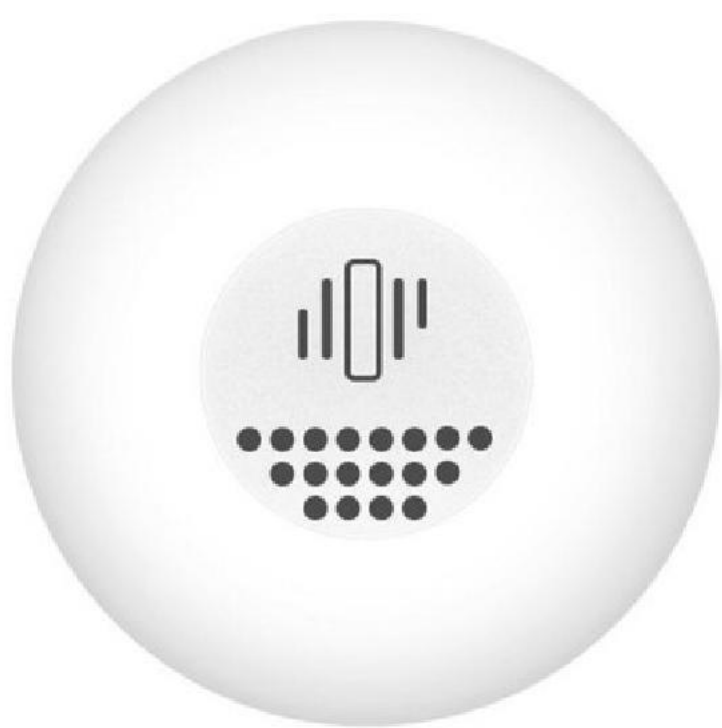


Light sensor

Application scenarios:Family residences,flower cultivation,
and other scenes requiring illumination monitoring.

Technical	Parameter
Power input	DC3V (CR2032battery)
Battery life	1 than years (replaceable)
Low battery warning	support
Working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
Body material	PC+ABS
range	0-1000LUX
sampling frequency	10-3600S (Configurable)
Reporting frequency	1-1200minute (Configurable)
precision	50LUX (25℃)
Long term stability	Ceiling mounted/wall mounted ≤5%/year
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ BLUE ☐ matter
Product size	Φ 50mmx17mm

01 Surface mounted series



Vibration sensor

Application scenarios:family housing,intelligent buildings, and other scenarios.

Technical Parameter	
Power input :	DC3V (CR2032battery)
Battery life:	More than 1 year or 300000 operations(replaceable)
Low battery warning:	support
working temperature:	-10℃~55℃
Operating humidity:	10%-99%RH(no condensation)
Body material:	PC+ABS
network platform:	☐ tuya ☐ other
Communication method:	☐ ZigBee ☐ BLUE ☐ matter
Product size:	Φ 50mmx17mm

01 Surface mounted series



Emergency button

Application scenarios:Home residences,intelligent buildings,
and other scenarios.

Technical	Parameter
Power input	DC3V (CR2032battery)
Battery life	More than 1 year or 300000 operations(replaceable)
Low battery warning	support
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
Body material	PC+ABS
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ BLUE ☐ matter
Product size	φ 50x17mm

01

Surface mounted series



Audible and visual alarm

Application scenarios:family housing,intelligent buildings, and other scenarios.

Technical Parameter	
Power input:	100V-240V(adapter)
working temperature:	-10℃~55℃
Operating humidity:	10%-99%RH(no condensation)
Body material:	PC+ABS
Alarm mode	Audible and visual alarm
Alarm sound pressure	3 meters directly ahead ≥80db
network platform:	☐ tuya ☐ other
Communication method:	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation method	Ceiling mounted/wall mounted
Product size:	85mm×34mm

01

Surface mounted series



Pressure sensor

Application scenarios:family housing,intelligent buildings,
and other scenarios.

Technical Parameter	
Power input:	DC3v (CR2032battery)
Battery life:	More than 1 year or 5000 triggers (replaceable)
Low battery warning:	support
working temperature :	-10℃-55℃
Operating humidity :	10%-99%(no condensing)
Body material:	PC+ABS
network platform :	☐ tuya ☐ other
Communication method :	☐ ZigBee ☐ BLUE ☐ matter
Product size :	Φ 33cm×23cm

01 Surface mounted serieses



NB Electronic School Emblem

Application scenarios:schools,kindergartens,and other scenarios.

Technical Parameter	
Power input	DC3v (CR2032battery)
Battery life	5000 triggers (replaceable)
Low battery warning	support
working temperature	-10℃-55℃
Operating humidity	10%-99% (no condensing)
Body material	PC+ABS
network platform	
Communication method	☐ NB
Function selection	☐ Flood alarm ☐ SOS ☐ Electronic Map

01

Surface mounted series



Application scenarios:family housing,intelligent buildings,
and other scenarios.

Technical Parameter			
Power input:	DC3v (CR2032battery)		
Battery life :	More than 1 year or 5000 triggers (replaceable)		
Low battery warning :	support		
working temperature :	-10℃-55℃		
Operating humidity :	10%-99%(no condensing)		
Body material :	PC+ABS		
measuring range :	35%-100%		
measuring range :	25BPM-250BPM		
Communication method:	☐ tuya ☐ other		
Communication method:	☐ ZigBee ☐ BLUE ☐ matter		
Product size:	Φ 63mmx	36mmx	39mm

01

Surface mounted series



CO sensor

Application scenarios:family housing,intelligent buildings,
and other scenarios.

Technical Parameter	
Power input :	DC3v (CR2032battery)
Battery life	More than 1 years (replaceable)
Low battery warning :	support
working temperature :	-10℃-55℃
Operating humidity :	10%-99% (no condensing)
Body material :	PC+ABS
Detect gas :	CO
Resolution :	1ppm
Concentration error:	±3ppm
Alarm mode	Audible and visual alarm
Alarm sound pressure	3 meters directly ahead ≥80db
network platform:	☐ tuya ☐ other
Communication method:	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation method	Ceiling mounted/wall mounted
Product size:	90mm×37mm

01 Surface mounted series



Application scenarios:family housing,intelligent buildings,
and other scenarios.

Technical Parameter	
Power input	DC3V (AAA*2battery)
Battery life	Over 2 years (replaceable)
Low battery warning	support
working frequency	-10℃~55℃
Operating humidity	10%-99%RH (no condensation)
Body material	PC+ABS
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Product size	Φ 104x36.8x21mm

01

Surface mounted series



Technical	Parameter
Power input	DC3V (CR2032 battery)
Battery life	5000 triggers (replaceable)
Low battery warning	support
working temperature	-10℃~55℃
working temperature	10%-99%RH (no condensation)
Alarm mode	PC+ABS
Alarm mode	Audible alarm
Communication method	
Product size	Φ104 × 36.8 × 21mm
	Φ45.5 × 11 × 13.1mm

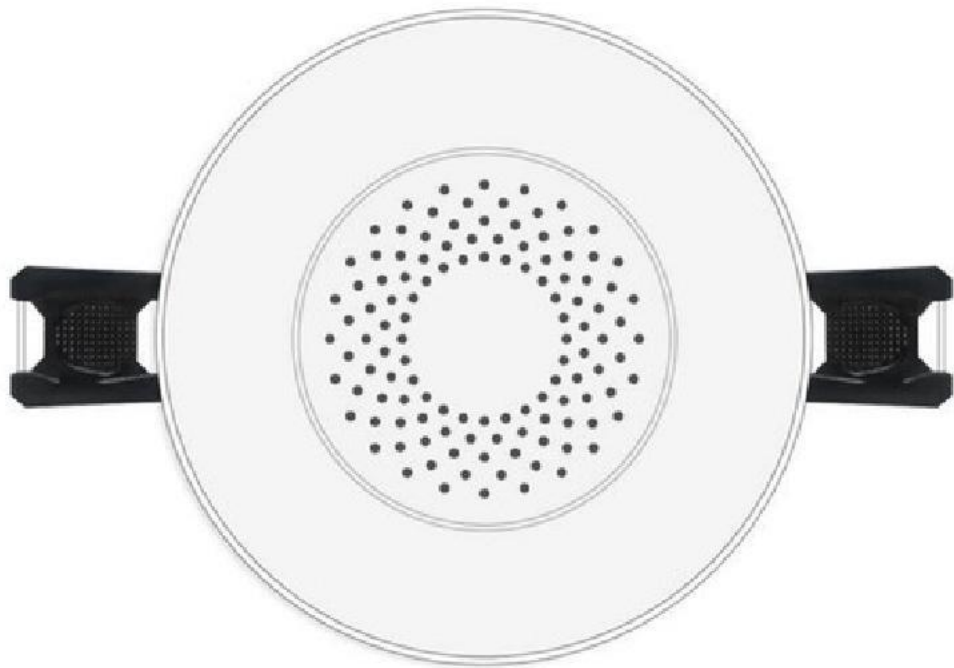
Application scenarios:family housing,intelligent buildings,
and other scenarios.



02

Smart sensor top mounted series

02 Smart sensor top mounted series



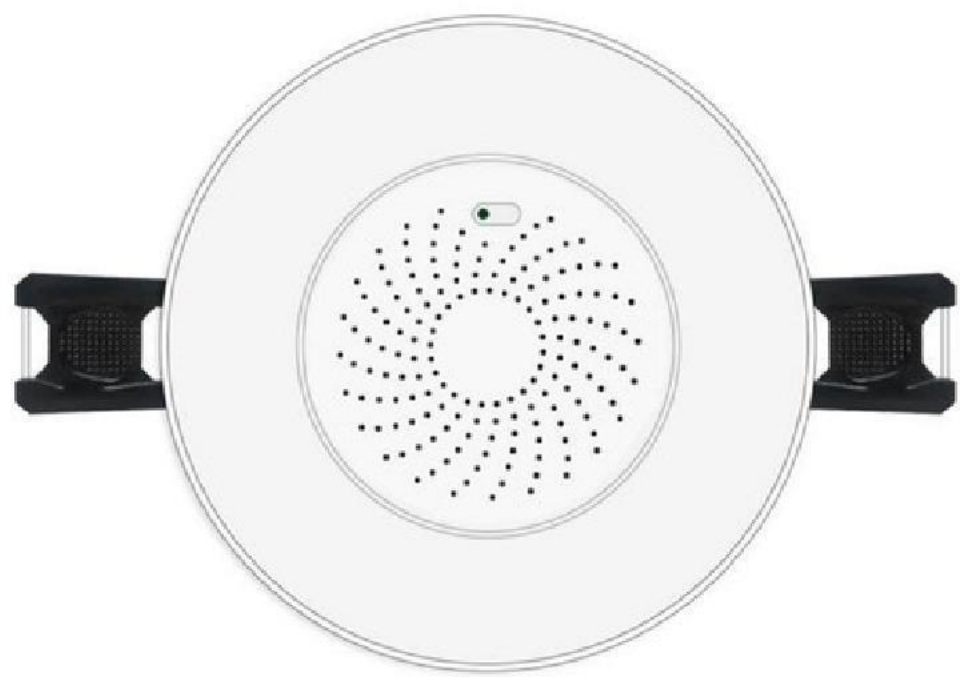
Wireless Gateway

The control center of ZigBee sub equipment, together with the sub equipment, constitutes a local area network system.



Technical Parameter	
Power input:	100V-240V(adapter)
working temperature:	-10℃~55℃
Working humidity:	10%-99%RH (no condensation)
Communication method :	ZigBee 2.4G+WIFI
Body material:	PC+ABS
network platform :	☐ tuya
transmission distance:	≤130M(visible distance)
Installation and dimensions	Ceiling mounted Φ 92x37mm
<u>Ceiling</u> exposed installation	Φ 92x45mm

02 Smart sensor top mounted series



Ceiling mounted gas sensor

family housing,intelligent buildings,and other scenarios.



Technical Parameter		
Power input :	☐ 100V-240V (adapter) ☐ 100V-240v	
working temperature:	-10℃~55℃	
Operating humidity :	10%-99%RH (no condensation)	
Body material:	PC+ABS	
Alarm concentration:	8%LEL(natural gas)	
Concentration error:	±3%LEL	
Alarm mode :	Audible and visual alarm	
Alarm sound pressure	3 meters directly ahead ≥80db	
network platform :	☐ tuya ☐ other	
Communication method:	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G	
Installation and dimensions	Ceiling	92mmx37mm

02 Smart sensor top mounted series



Ceiling mounted infrared sensor

Applicationscope:Home residences,flower cultivation,and other lighting monitoring scenarios.



Technical Parameter	
Power input:	☐ 100V-240V(adapter) ☐ 100V-240V
working temperature:	-10℃~55℃
Operating humidity:	10%-99%RH(no condensation)
Body material :	PC + ABS
range:	0-1000LUX
sampling frequency:	10-3600S(Configurable)
Reporting frequency:	1-1200 minute(Configurable)
precision:	50LUX(25℃)
Long term stability:	≤5%/year
network platform:	☐ tuya ☐ other
Communication method:	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation height:	≤2.2m
Installation and dimensions:	Ceiling ϕ 92mmx37mm
Ceiling exposed installation 92mmx45mm	

02 Smart sensor top mounted series



Ceiling mounted infrared sensor

Application scenarios: Indoor perception of human or animal movements and other scenes.

Technical Parameter	
Power input	☐ 100V-240V(adapter) ☐ 100V-240V
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
Body material	PC+ABS
Detection distance	8m
Detection angle	120°
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation height	≤2.2m
Installation and dimensions	Ceiling ☐ 92mmx37mm
	<u>Ceiling</u> exposed installation 92mmx45mm

02 Smart sensor top mounted series



Indoor environment monitor

Application scenarios:family housing,intelligent buildings,
and other scenarios.



Technical Parameter	
Power input	100V-240V (adapter)
Working T&H	-40℃~85℃ /10%-99%(no condensing)
Body material	PC+ABS
Reporting frequency	actual time
PM1.0/PM2.5/PM10:	Range 0- 1000 μg/m ³
VOC:	Range 0 ~ 3
T&H:	Range (- 40℃ ~ +85℃) (0%~100%RH)
CO2:	Range 0 - 5000 ppm
HCHO:	Range 0~5 . 000mg/m ³
network platfor	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Function selection	☐ PM1.0、PM2.5、PM10 ☐ VOC
	☐ T&H OR ☐ CO2 ☐ HCHO
Installation and dimensions	☐ Ceilin ϕ92mm×37mm
	Ceiling exposed installation ϕ92mm×45mm



03

Wall mounted series

03

Wall mounted series



Wall gateway

The control center of ZigBee sub equipment,together with the sub equipment,constitutes a local area network system.

Technical Parameter	
Power input	100V-240V
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
Communication method	ZigBee +WIFI
ody material	PC+ABS
network platform	tuya
transmission distance	≤130M(visible distance)
Body material	plastics glass metal
Installation method	Concealed wall installation
Product size	86

03

Wall mounted series



Wall emergency button

Application scenarios:Home residences,intelligent buildings,
and other scenarios.

Technical Parameter	
Power input	100V-240V
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
Body material	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Body material	☒ plastics ☐ glass ☐ metal
Installation method	Concealed wall installation
Product size	86

Cordless emergency push button shape:



03 Wall mounted series



Vital Sign Sensor

Application scenarios:nursing homes,family bedrooms, maternity centers,kindergartens,and other scenarios.

Technical Parameter	
Power input	100V-240V
working temperature	-10℃~55℃
Working humidity	10%-99%RH(no condensation)
Body material	PC+ ABS
operation mode	60G
Monitoring angle	Beam azimuth width±60°
Detection range	0.4~1.5m
network platform	☐ tuya ☐ other
transmission distance	≤130M(visible distance)
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation and dimensions	86

03 Wall mounted series



Wall human presence sensor

Application scenarios:family housing,intelligent buildings,and other scenarios.

Technical Parameter	
Power input	100V-240V
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
Motion detection range	9m
Presence of detection range	Φ6m
Body material	☐ tuya ☐ other
Communication method	☒ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Body material	plastics
Installation method	Concealed wall installation
Product size	8 6

03 Wall mounted series



Wall infrared sensor

Application scenarios:Home residences,indoor perception of human or animal movements,and other scenarios.

Technical Parameter	
Power input	100V-240V
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(/no condensation)
Detection distance	8m
Detection angle	120°
Body material	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Body material	plastics glass ☐ metal
Installation method	Concealed wall installation
Product size	86

03 Wall mounted series



Wall light sensor

Application scope:Home residences,flower cultivation,and other lighting monitoring scenarios.

Technical	Parameter
Power input	100V-240V
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
range	0-1000LUX
sampling frequency	10-3600S (Can be set)
Reporting frequency	1-1200 minute (Can be set)
Communication method	50LUX (25℃)
Long term stability	≤5%/year
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Body materia	plastics glass metal
Installation method	Concealed wall installation
Product size	86

03

Wall mounted series



Wall relay

Application scenarios:family housing,intelligent buildings,
and other scenarios.

Technical Parameter	
Power input	100V-240V
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(no condensation)
transmission distance	≤130M(visual distance)
network platform	☐ tuya
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Body materia	plastics glass metal
Installation method	Concealed wall installation
Product size	86

03

Wall mounted series



Wall indoor environment monitor

Application scenarios:family housing,intelligent buildings,
and other scenarios.

Technical Parameter	
Power input	100V-240V (/adapter)
Working T&H	-10℃~55℃ /10%-99% (/no condensing)
transmission distance	≤130M(visual distance)
Body material	PC+ABS
Reporting frequency	actual time
PM1.0/PM2.5/PM10:	Range 0 - 1000 μg/m³
VOC:	Range 0 ~ 3 level
	Range T&H (-40℃~+85℃) (0%~100%RH)
CO2:	Range 0-5000ppm
HCHO:	Range 0~5.000mg/m³
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Function selection	☐ PM1.0、PM2.5、PM10 ☐ VOC
	☐ T&H OR ☐ CO2 ☐ HCHO
Body material	plastics
Installation dimensions	Concealed wall installation
Product size	86

03 Wall mounted series



Audible and visual alarm

Application scenarios:family housing,intelligent buildings,
and other scenarios.

Technical	Parameter
Power input	100V-240V
working temperature	-10℃~55℃
Operating humidity	10%-99%RH(/no condensation)
Alarm mode	Audible and visual alarm
Alarm sound pressure	3 meters directly ahead ≥80db
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Body materia	☐ plastics ☐ glass ☐ metal
Installation method	Concealed wall installation
Product size	86



Fall sensor

Application scenarios:nursing homes,family bedrooms, maternity centers,kindergartens,and other scenarios.

Technical Parameter	
Power input	100V-240V
working temperature	-10℃~55℃
Working humidity	/no condensation)
Body material	PC+ABS
operation mode	thermal imaging
Installation height	above the ground 40-50cm
Detection range	3m
network platform	☐ tuya ☐ other
transmission distance	≤130M(visible distance)
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Installation and dimensions	86



04

Industrial and agricultural series



Light sensor

Application scope:Indoor and outdoor environmental monitoring, agricultural greenhouses,flower cultivation,workshops,outdoor lighting and other scenes.

Technical Parameter	
Power input	DC3.6V lithium battery or specified voltage power input
Battery life	More than 3 years (replaceable)
Low battery warning	support
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body material	PC+ABS
IP level	IP67
range	0-65000LUX;0-20W LUX
sampling frequency	10-3600S (Configurable)
Reporting frequency	1-1200 minute (Configurable)
precision	±7% (25℃)
Long term stability	≤5%/Year
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	131mm×100mm×54mm
Mounting hole pitch	115mm×40mm



Input type liquid level sensor

Application scenarios:water tank,pool,Rivers and Lakes,
marine liquid level,acid-base liquid,oil level of tanker,etc.

Technical Parameter	
Power input	DC3.6V lithium battery or specified voltage power input
Battery life	More than 3 years (replaceable)
Low battery warning	support
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body material	PC+ABS
IP level	IP67
precision	0.5level / 0.3level /0.1 level
Insensitive zone	≤±0.1% FS/year
temperature compensation	10-50℃
Medium temperature	0-70℃
Overload capacity	200%
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ BLUE ☐ 485 ☐ NB ☐ 4G
Product size	131mm×100mm×54mm
Mounting hole pitch	115mm×40mm



Water immersion sensor

Application scenarios:computer rooms,intelligent buildings, power distribution rooms,archives,warehouses,factories, and other scenarios.

Technical Parameter	
Power input	DC3.6V lithium battery or specified voltage power input
Battery life	More than 3 years (replaceable)
Low battery warning	support
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body material	PC+ABS
IP level	IP67
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	131mmx100mmx54mm
Main body mounting hole spacing	115mmx40mm
Probe fixed hole pitch	Φ41mm



Noise sensor

Application scenarios:intelligent buildings,factories,libraries,airports, train stations,shopping mallsSchool and other scenes.

Technical Parameter	
Power input	DC3.6V lithium battery or specified voltage power input
Battery life	More than 3 years (replaceable)
Low battery warning	support
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body material	PC+ABS
IP level	IP65
measuring range	30dB-120dB
Frequency weighting	A Weighting
Response range	20HZ-12.5KHZ
precision	±0.5dB
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	φ 131mmx100mmx54mm
Installation hole spacing	φ 115mmx40mm



Duct type temperature and humidity sensor

Application scenarios:intelligent buildings,museums,hotel climate stations,greenhouses,pharmaceuticalsScenarios such as industry, climate,and HVAC signal acquisition.

Technical Parameter	
Power input	DC3.6V lithium battery or specified voltage power input
Battery life	More than 3 years (replaceable)
Low battery warning	support
working temperature	20℃~+80℃ (default)40℃~+120℃ (Customizable)
Operating humidity	0%-99%
Body material	PC+ABS
IP level	IP65
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	131mm×100mm×54mm
Mounting hole pitch	4 6 mm



Wind direction,rain and snow sensor

Application scenarios:aquaculture,ocean,weather stations, coal mining operations,airports,ports,and other scenarios.

Technical Parameter	
Power input	DC3.6V lithium battery or specified voltage
Battery life	power input More than 3 years (replaceable)
Low battery warning	support
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body material	PC+ABS
Rain and snow heating function	Heating start ambient temperature ≤15℃ (Optional)
Maximum heating temperature of rain and snow	40℃
Starting wind speed	≤5m/s
Wind speed accuracy	±3%
Wind speed measurement range	0-360°
Wind resistance strength	≥70m/s 30min
Wind speed resolution	22.5°
Wind speed direction	16
IP level	IP65
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
	☐ Normally open / normally closed contacts
Product size	Φ 131mmx100mmx54mm
Mounting hole pitch	Φ 46mm



Weather sensor

Application scenarios:aquaculture,ocean,weather stations, coal mining operations,airports,ports,and other scenarios.

Technical Parameter	
Power input	DC3.6V lithium battery or specified voltage power input
Battery life	More than 3 years (replaceable)
Low battery warning	support
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body material	PC+ABS
<u>Rain</u> and snow heating function	Heating start ambient temperature ≤15℃ (Optional)
Maximum heating temperature of rain and snow	40℃
Wind speed measurement range	0.5-50m/s
Starting wind speed	≤5m/s
Wind speed accuracy	±0.5m/s (<5m/s) ±3% (≥5m/s)
IP level	IP65
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	Φ131mm ×100mm×54mm
Mounting hole pitch	Φ115mm×40mm



infrared sensor

Application scenario:outdoor perception of human or animal movements and other scenarios.

Technical Parameter	
Power input	DC3.6V lithium battery or specified voltage power input
Battery life	More than 3 years (replaceable)
Low battery warning	support
working temperature	-20℃~ 65℃
Operating humidity	10%-99%RH(/no condensation)
Body material	PC+ABS
IP level	IP67
Detection distance	8m
Detection angle	120°
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	Φ 131mm x100mmx54mm
Installation hole spacing	115mm×40mm



Smart well cover sensor

Application scenarios:urban sanitation,communities, airports,office buildings,and other scenarios.

Technical Parameter		
Power input	DC3.6V lithium battery or specified voltage power input	
Battery life	More than 3 years(replaceable)	
Low battery warning	support	
working temperature	-20℃~65℃	
Operating humidity	10%-99%	
Body material	PC+ABS	
IP level	IP67	
anti-corrosion	salt spray test	
Angle detection	Flip 20° change, active reporting	
network platform	☐ tuya ☐ other	
Communication method	☐ NB ☐ 4G	
Product size	Φ131mmx100mmx54mm	
Mounting hole pitch	115mmx40mm	



Waste overflow sensor

Application scenarios:urban sanitation,communities, airports,office buildings,and other scenarios.

Technical Parameter	
Power input	DC3.6V lithium battery or specified voltage
power input	
Battery life	More than 3 years (replaceable)
Low battery warning	support
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body material	PC+ABS
IP level	IP67
sampling frequency	60S (Default)
Reporting frequency	4h
Cover opening alarm delay	5minute
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	Φ 131mmx100mmx54mm
Mounting hole pitch	Φ 115mmx40mm



Parking position sensor

Application scenarios:indoor parking lots and other scenarios.

echnical Parameter	
Power input	100V-240V (/adapter)
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body materia	PC+ABS
IP level	IP67
sampling frequency	actual time
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	Φ 131mmx100mmx54mm
Mounting hole pitch	Φ 115mmx40mm



Soil integrated sensor

Application scope: Intelligent environment stations, agricultural greenhouses, flower cultivation, vegetable planting, grassland pastures, and other scenarios.



Technical Parameter	
Power input	1DC3V
working temperature	2 years or more (replaceable)
Low battery warning	Support
Working T&H	-40℃~80℃ / 0%-100%
Body material	PC+ABS
IP level	IP67
S &R frequency	10-3600S (Configurable) /1-1200minute (Configurable)
Probe D&L	3mm / 66mm
Conductivity temperature compensation	0~50℃
Conductivity parameters	Range 0-20000us/cm
	Range 0-100%
Temperature parameters	Range -40℃~80℃
PH parameter	Range 3-10PH
Nitrogen phosphorus potassium	Range 1-1999mg/Kg (mg/L)
Measurement type	☐ Nitrogen ☐ Phosphorus ☐ Potassium ☐ PH ☐ EC ☐ Temperature ☐ Humidity
network platform	☐ tuya ☐ other
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	Φ 95mm×60mm×26mm



Environmental monitoring sensors

Application scenarios:Greenhouses,agriculture,animal husbandry,industrial and mining environments,communities, airports,office buildings,factories,and other scenarios.

Technical Parameter	
Power input	100V-240v (/adapter)
Working T&H	-20℃~65℃ /10%-99%
Body material	PC+ABS
IP level	IP65
Reporting frequency	actual time
PM1.0/PM2.5/PM10:	Range 0- 1000 μ g/m3
VOC:	Range 0- 3 level
T&H :	Range T&H (- 4 0 ℃ ~ + 8 5 ℃) (0 % ~ 1 0 0 % RH)
CO2:	Range 0 - 5000 ppm
HCHO:	Range 0~5 . 000mg/m³
network platform	☐ tuya ☐ other
Function selection	☐ PM1.0、PM2.5、PM10 ☐ VOC
	☐ T&H ☐ CO2 ☐ HCHO
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	Φ 131mm×100mm×54mm
Installation hole spacing	Φ 115mm×40mm



Other environmental monitoring sensors

Application scenarios:Greenhouses,aquaculture,industrial and mining environments,communities,airports,office buildings,factories, and other scenarios.

Technical Parameter	
Power input	100V-240V (adapter)
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body materia	PC+ABS
IP level	IP65
Reporting frequency	actual time
network platform	☐ tuya ☐ other
Function selection	☐ CO ☒ CH4 ☐ H2S ☐ O2 ☐ H2 ☐ NH3 ☐ NO
	☐ NO2 ☐ SO2 ☐ O3
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	Φ 131mmx100mmx54mm
Mounting hole pitch	115mmx40mm



Screen display sensor

Application scenarios:Greenhouses,aquaculture,industrial and mining environments,communities,airports,office buildings,factories, and other scenarios.

Technical Parameter	
Power input	100V-240V (adapter)
working temperature	-20℃~65℃
Operating humidity	10%-99%
Body materia	PC+ABS
IP level	IP65
Reporting frequency	actual time
network platform	☐ tuya ☐ other
Function selection	☐ CO ☒ CH4 ☐ H2S ☐ O2 ☐ H2 ☐ NH3 ☐ NO
	☐ NO2 ☐ SO2 ☐
Communication method	☐ ZigBee ☐ WIFI ☐ Lora ☐ 485 ☐ NB ☐ 4G
Product size	Φ 131mmx100mmx54mm
Mounting hole pitch	115mmx40mm

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