

Creating a safe environment **WITHOUT** fire disasters



# PRODUCT CATALOG

[www.shuertek.com](http://www.shuertek.com)

SHUERTEK TECHNOLOGY



602A, building 5, Shenzhen Software  
Park Shenzhen, China  
[www.shuertek.com](http://www.shuertek.com)  
[info@shuertek.com](mailto:info@shuertek.com)

**ShuerTek**

## WHO WE ARE?

Shuertek is a professional agent in the field of fire protection. Its main products include Tanda technology's TNA brand fire alarm system, fire water cannon, emergency telephone system, smoke detector, heat detector and gas detector, etc..

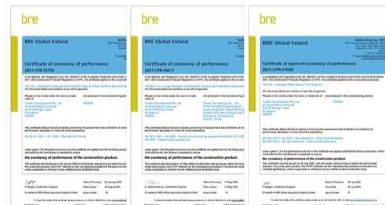
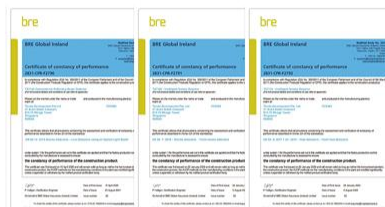
- ✓ 400+ Patents
- ✓ The 1st LPCB certified manufacturer in China
- ✓ 1,000,000+ projects worldwide
- ✓ Global on-site after-sales service
- ✓ 7\*24H responsive service

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## APPROVALS LPCB / EC-CPR



## TX7 Series Intelligent Fire Alarm System

LPCB Approved  
CPR Certified

TX7 series addressable systems have the power to take on the largest projects and the flexibility to deliver tailored solutions to each facility's unique requirements.

### TX7002

#### Intelligent Fire Alarm

#### Control Panel



#### Feature and Benefits

- Compliance EN 54-2 & EN 54-4
- Using advance microprocessor technology with large memory capacity
- Enhance user interface combining LCD Touch screen and keypad access
- Support real time visual algorithm
- Enhance false alarm prevention
- Keypad and PC programming
- Support Multiple interface protocol such as USB/ Ethernet/ Can Bus/ Serial/RS485/Fiber Optic
- Support Loop Powered devices for extra saving on cable cost
- Built-In 30 LED Zones Indicators, exclude printer

#### Commissioning Advantage

- Auto Enrolling of Devices
- Loop Mapping with colour coding status
- Monitor device mismatch and dual address conflict
- Command Builder to create requirements for fire event scenario
- With Loop protection against power surge
- One-man test with On/Off sounder
- Programming Protection

#### System Capacity

- Support 254 devices (508 ideal)
- Network up to 512 Nodes
- Zones up to 3000
- Groups up to 3000
- Memory[Non-Volatile] 1000 Fire events, 10,000 General events

#### Technical Specification

|                         |  |
|-------------------------|--|
| Input Voltage           | 230VAC +10%-15%, 50Hz<br>(120VAC, 60Hz, it is not applicable for EN 54 & Not tested by LPCB) |
| Number of Panels        | 512  |
| Interface Port          | USB, RS485 Serial, RS232 Serial, Ethernet  |
| Protocol/Addressing     | T&A, Value range from 1 to 254   |
| No. of Loop             | 1, 2 Loop  |
| Protection              | Built-in 4kV Surge protection  |
| Cabling                 | 1.0Km Max Length/2 x 1.5mm <sup>2</sup> solid core<br>Fire resistance                        |
| Panel Input/outputs     |  |
| Relays                  | 2 circuits: Normally Open/Close  |
| Fixed Outputs (Sounder) | 1 Circuits: 18~28Vdc (Current Limited)   |
| Indicator               | 24 LED Status / 30 Zone Indicators   |
| Display                 | 7" TFT Touch Screen  |
| Keypad                  | 5 Brigade buttons and Programming Keypad   |
| Material / Color        | Flat sheet Metal   |
| Dimension/HWD           | 460 x 440 x 165 mm   |
| Weight                  | 9.40 Kg  |
| Temperature             | -5°C~+40°C   |
| Humidity                | 0 to 95% RH, Non condensing  |

### TX7004

#### Intelligent Fire Alarm

#### Control Panel



EN54-2&EN54-4 2831-CPR-F4417  
1330h/01 20

#### Feature and Benefits

- EN54-2:1997+A1:2006; EN54-4:1997+A1:2002+A2:2006 Certified
- Advance microprocessor technology with large memory capacity fire detection panel, available in a 1, 2 or 4 loop assembly
- Enhance user interface combining wide LCD Touch screen, color display and keypad access
- Support real time visual algorithm
- Enhance false alarm prevention
- Keypad and PC programming
- Built-in 4-in-1 Multiple interface protocol such as USB/ Ethernet/ CanBus/ Serial RS232 & 485
- Support Loop Powered devices for extra saving on cable cost
- Built-In Printer and 160 LED Zones Indicators

#### Commissioning Advantage

- Auto Enrolling of Devices
- Loop Mapping with colour coding status
- Monitor device mismatch and dual address conflict
- Command Builder to create requirements for fire event scenario
- With Loop protection against power surge
- One-man test with On/Off sounder
- Programming Protection

#### System Capacity

- Support 254 Devices / one loop (1,524 ideal)
- Network up to 512 Nodes
- Zones up to 3000
- Groups up to 3000
- Memory[Non-Volatile] 1,000 Fire events 10,000 General events

#### Technical Specification

|                        |   |
|------------------------|---|
| Approvals              | LPCB / CE-CPR   |
| Input Voltage          | 230VAC +10%-15%, 50Hz   |
| Network Panel to panel | 512 Panels- Single Ring[Ideal]  |
| Communication Card     | USB, CanBus, RS485/RS232 Serial, Ethernet<br>(Built-in to TX7004, Optional to TX7004-1/2) |
| Protocol/Addressing    | T&A, Value range from 1 to 254  |
| No. of Loop            | 1, 2, 4, 6 Loop (6 Loop standalone)   |
| Protection             | Built-in 4kV Surge protection   |
| Panel Input/outputs    |   |
| Programmable Relays    | 4 circuits: Normally Open/Close   |
| Programmable Input     | 1 Circuit: Power limited 24VDC  |
| Programmable Aux Power | Limited 19-28VDC  |
| Fixed Outputs          | 2 Circuits: Power limited 18-28VDC  |
| Indicator              | 24 LED Status/ 160 Zone Indicators  |
| Display                | 7" TFT Touch Screen   |
| Keypad                 | 5 Brigade buttons and Programming Keypad  |
| Material / Color       | Flat sheet Metal / with outer glass door  |
| Dimension/ HWD         | 530 x 490 x 135 mm  |
| Weight                 | 16.70Kg   |
| Temperature            | -5°C~+40°C  |
| Humidity               | 0 to 95% RH, Non condensing   |



### TX7008 Intelligent Fire Alarm Control Panel



#### Feature and Benefits

- EN54-2 & EN54-4 Compliance
- Using advance microprocessor technology with Large memory capacity
- Enhance user interface combining LCD Touch screen and keypad access
- Support real time visual algorithm
- Enhance false alarm prevention
- Keypad and PC programming
- Support Multiple interface protocol such as USB/Ethernet/Can Bus/ Serial/RS485/Fiber Optic
- Support Loop Powered devices for extra saving on cable cost
- Wall-mount ,Built-In Printer and 160 LED Zones Indicators

#### Commissioning Advantage

- Auto Enrolling of Devices
- Loop Mapping with colour coding status
- Monitor device mismatch and dual address conflict
- Command Builder to create requirements for fire event scenario
- With Loop protection against power surge
- One-man test with On/Off sounder
- Programming Protection

#### System Capacity

- Support 254 Devices/One loop (2,032 ideal)
- Network up to 512 Node
- Zones up to 3000
- Groups up to 3000

#### Technical Specification

|                        |                                |
|------------------------|--------------------------------|
| Input Voltage          | 230VAC +10%-15%, 50Hz          |
| Network Panel to panel | 512 Panels-Single Ring (ideal) |
| Communication Card     | Canbus                         |
| Protocol/addressing    | T&A, Value Range from 1 to254  |
| No. of Loop            | 6, 8Loop /10 Loop Standalone   |
| Protection             | Built-in 4kv Surge protection  |

#### Panel Input/outputs

|                        |   |
|------------------------|---|
| Programmable Relays    | 4 circuits: Normally Open/Close                         |
| Programmable Input     | 1 circuits: Power Limited 24VDC                         |
| Programmable Aux Power | Limited 19-28VDC  |
| Fixed Outputs          | 2 Circuits: Power limited 18-28VDC                      |
| Indicator              | 24 LED Status/ 160 Zone Indicators                      |
| Display                | 7" TFT Touch Screen                                     |
| Keypad                 | 5 Brigade buttons and Programming Keypad                |
| Material/Color         | Flat sheet Metal / with outer glass door, Orange stripe |
| Dimension/HWD          | 550 x 510 x 222mm                                       |
| Weight                 | 23Kg  |
| Temperature            | -5°C~+40°C  |
| Humidity               | 0 to 95% Relative Humidity, Non condensing              |

### TX7008R Intelligent Fire Alarm Control Panel



#### Feature and Benefits

- EN54-2 & EN54-4 Compliance
- Using advance microprocessor technology with Large memory capacity
- Enhance user interface combining LCD Touch screen and keypad access
- Support real time visual algorithm
- Enhance false alarm prevention
- Keypad and PC programming
- Support Multiple interface protocol such as USB/Ethernet/Can Bus/ Serial/RS485/Fiber Optic
- Support Loop Powered devices for extra saving on cable cost
- Built-In Printer and 160 LED Zones Indicators

#### Commissioning Advantage

- Auto Enrolling of Devices
- Loop Mapping with colour coding status
- Monitor device mismatch and dual address conflict
- Command Builder to create requirements for fire event scenario
- With Loop protection against power surge
- One-man test with On/Off sounder
- Programming Protection

#### System Capacity

- Support 254 Devices/One loop (2,032 ideal)
- Network up to 512 Node
- Zones up to 3000
- Groups up to 3000

#### Technical Specification

|                        |                                |
|------------------------|--------------------------------|
| Input Voltage          | 230VAC +10%-15%, 50Hz          |
| Network Panel to panel | 512 Panels-Single Ring (ideal) |
| Communication Card     | Canbus                         |
| Protocol/addressing    | T&A, Value Range from 1 to254  |
| No. of Loop            | 10 Loop Sandalone              |
| Protection             | Built-in 4kv Surge protection  |

#### Panel Input/outputs

|                        |  |
|------------------------|--|
| Programmable Relays    | 4 circuits: Normally Open/Close            |
| Programmable Input     | 1 circuits: Power Limited 24VDC            |
| Programmable Aux Power | Limited 19-28VDC                           |
| Fixed Outputs          | 2 Circuits: Power limited 18-28VDC         |
| Indicator              | 24 LED Status/ 160 Zone Indicators         |
| Display                | 7" TFT Touch Screen                        |
| Keypad                 | 5 Brigade buttons and Programming Keypad   |
| Material/Color         | Flat sheet Metal / Black                   |
| Dimension/HWD          | 1715 x 550 x 480mm                         |
| Temperature            | -5°C~+40°C                                 |
| Humidity               | 0 to 95% Relative Humidity, Non condensing |

### TX7812 Graphic Monitor Center Software



#### Feature and Benefits

- Easy to use, direct and complete fire alarm graphic software
- Auto Display of all kinds of event such as Fire, Pre-alarm, Action, Supervisory, Disable and Fault in different color.
- Display the full device details, time of alarm and location and maintenance record folder.
- User privileges can be defined
- Support local panel remote control
- Support common toolbar for quick operation.

#### Technical Specification

|                    |                            |
|--------------------|----------------------------|
| Operating Software | Windows 7, 8 and Windows10 |
| CPU                | P4 1G or Higher            |
| RAM                | 2G and above               |
| HDD                | 8G and above               |
| System Type        | 32 or 64 Bit OS            |

### TX7932 Handheld Programmer



#### Feature and Benefits

- Write, read and erase device parameters
- Pluggable cable with end alligator clip to hold tight the terminals
- Low current consumption for longer battery lifespan
- Circuit protection against clip
- Auto power-off within 5 minutes

#### Technical Specification

|                     |                             |
|---------------------|-----------------------------|
| Battery Required    | 2X1.5 AA / excluded         |
| Current Consumption | Standby 0μA, In-use: 3mA    |
| Material / Colour   | ABS / Grey Glossy finishing |
| Dimension/LWH       | 130 x 54 x 28 mm            |
| Humidity            | 0 to 95% RH, Non condensing |

### TX7331 Intelligent Graphic Repeater Panel



#### Feature and Benefits

- EN54-2:1997+A1:2006
- Loop Mimic Panel Parts Kits (Supplied without Cabinet)
- Alarm LED display of a device or zone or group
- Send sound alarm signal with the controller
- Can display up to 256 alarm points
- Fully monitored and self-test function

#### Technical Specification

|                       |  |
|-----------------------|--|
| Input Voltage         | Loop Power: 24VDC [16V to 28V]<br>External PSU: 24VDC [20 to 28V]          |
| Current Consumption   | Loop Standby: 1mA, Alarm: 1.2mA<br>External PSU Standby: 25mA, Alarm: 80mA |
| Number per loop       | Up to 254 units (ideal)  |
| Operating Temperature | 0°C to +40°C   |
| Humidity              | 0 to 95% RH, Non condensing  |

### TX24-5A / TX24-10A Intelligent Power Supply Unit



#### Feature and Benefits

- EN54-4 :1997+A1: 2002+A2: 2006
- Intelligent 5 or 10 Ampere power supply unit
- Addressable and can sit on the loop
- Digital display of output voltage and load current
- Added protection against over charge, overload and over usage
- Fully monitored with self-test function
- Wall mount installation

#### Technical Specification

|                       |   |
|-----------------------|---|
| Main Power            | AC220V[100-240V]<br>50/60Hz, 132.5W(TX24-5A)<br>50/60Hz, 265W(TX24-10A) |
| Secondary Power       | 24VDC/12AH (Recommended sealed lead acid battery)                       |
| Output power          | 120W; 24VDC/5 A (TX24-5A)<br>240W; 24VDC/10 A (TX24-10A)                |
| Protocol/Addressing   | T&A, Value range from 1 to 254  |
| Switching Time        | No delay  |
| Indicator             | Numerical display   |
| Material / Colour     | Flat sheet metal / Light gray   |
| Dimension/LWH         | 450x 380 x 135 mm   |
| IP Grade              | IP30 / Indoor application   |
| Operating Temperature | -5°C to +40°C   |
| Humidity              | 0 to 95% RH, Non condensing   |

#### Feature and Benefits

- Two-bus, non-polarity
- It can send sound-light alarm signal with alarm controller
- Provided with Mute, Up, Down and Inquiry functions
- Write addresses by encoderpanel

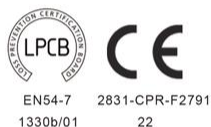
### TX3404A LCD Repeater Panel



#### Technical Specification

|   |   |
|---|---|
| Operating voltage   | Bus voltage: bus 24V<br>Allowing range: 15V~28V   |
| Operating current   | Bus monitoring current: ≤3mA<br>Bus alarm current: ≤6mA                                 |
| Communication distance  | < 1500m   |
| 20 fire display panels can be provided for each circuit at most |   |
| Operating environment   | Temperature: -10°C ~ 55°C,<br>Relative humidity: ≤95%RH (40±2°C)<br>without condensatio |
| Color   | ivory white   |
| Weight  | about 300g  |
| Outline dimension   | 160mm×106mm×32mm  |

### TX7100 Intelligent Smoke Detector



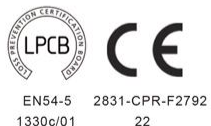
#### Feature and Benefits

- EN 54-7:2018 Certified
- Optical Smoke analogue sensor and digital communication
- Using microprocessor technology with memory capacity up to 10 events
- Provide real time algorithm to the control panel
- Smart linear drift compensation
- Onsite adjustable parameter
- 360-degree visual indicator
- Removable chamber against dust and small insect
- Ancillary remote indicator output

#### Technical Specification

|                       |                                      |
|-----------------------|--------------------------------------|
| Approvals             | LPCB / CE-CPR                        |
| Input Voltage         | 24VDC [16V to 28V]                   |
| Current Consumption   | Standby 0.6mA, Alarm:4mA             |
| Protocol/Addressing   | T&A, Value range from 1 to 254       |
| Sensitivity           | As per stipulated standard           |
| Indicator             | Single LED / 360-degree Visual       |
| Material / Colour     | ABS / White Glossy finishing         |
| Dimension / Height    | Diameter 99.7 mm / 57 mm             |
| Weight                | 145g (with Base), 90g (without Base) |
| Operating Temperature | -10°C to +50°C                       |
| Humidity              | 0 to 95% RH, Non condensing          |

### TX7110 Intelligent Heat Detector



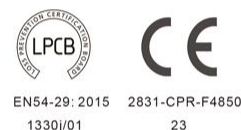
#### Feature and Benefits

- EN 54-5:2017 + A1:2018 Certified
- Using microprocessor technology with memory capacity up to 10 events
- Fixed and Rate of Rise Analogue sensor and digital communication
- Provide real time algorithm to the control panel
- 360-degree visual indicator
- Onsite Adjustable Parameter
- Ancillary remote indicator output

#### Technical Specification

|                       |                                      |
|-----------------------|--------------------------------------|
| Approvals             | LPCB / CE-CPR                        |
| Input Voltage         | 24VDC [16V to 28V]                   |
| Current Consumption   | Standby 0.6mA, Alarm:4mA             |
| Protocol/Addressing   | T&A, Value range from 1 to 254       |
| Heat Class Type       | A1R                                  |
| Indicator             | Single LED / 360-degree Visual       |
| Material / Colour     | ABS / White Glossy finishing         |
| Dimension / Height    | Diameter 99.7 mm / 57 mm             |
| Weight                | 127g (with Base), 72g (without Base) |
| Operating Temperature | -10°C to +50°C                       |
| Humidity              | 0 to 95% RH, Non condensing          |

### TX7120 Intelligent Multi-sensor Fire Detector



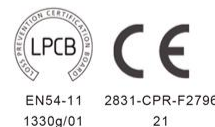
#### Feature and Benefits

- EN54-29 Compliance
- Smoke and Heat analogue sensor and digital communication
- Using microprocessor technology with memory capacity up to 10 events
- Analogue sending and digital addressing
- Provide real time algorithm to the control panel
- Smart linear drift compensation
- 360-degree visual indicator
- Onsite Adjustable Parameter
- Removable chamber against dust and small insect
- Ancillary remote indicator output

#### Technical Specification

|                       |                                      |
|-----------------------|--------------------------------------|
| Input Voltage         | 24VDC [16V to 28V]                   |
| Current Consumption   | Standby 0.6mA, Alarm:4mA             |
| Protocol/Addressing   | T&A, Value range from 1 to 254       |
| Smoke Sensitivity     | As per stipulated standard           |
| Heat Class Type       | A2R                                  |
| Indicator             | Single LED / 360-degree Visual       |
| Material / Colour     | ABS / White Glossy finishing         |
| Dimension / Height    | Diameter 99.7 mm / 57 mm             |
| Weight                | 145g (with Base), 90g (without Base) |
| Operating Temperature | -10°C to +50°C                       |
| Humidity              | 0 to 95% RH, Non condensing          |

### TX7140 Addressable Manual Call Point



#### Feature and Benefits

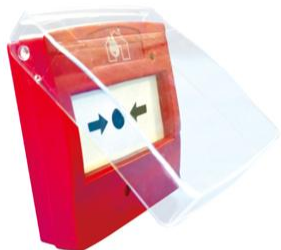
- EN54-11:2001 + A1:2005 Certified
- Using microprocessor technology
- Digital addressing
- Non-breakable glass and hammerless
- Safe to operate and easy to reset
- Recessed mount. Optional TX7140-MB for surface mount

#### Technical Specification

|                           |  |
|---------------------------|--|
| Approvals                 | LPCB / CE-CPR  |
| Input Voltage             | 24VDC [16V to 28V]   |
| Current Consumption       | Standby 0.6mA, Alarm: 1.8mA                                |
| Protocol/Addressing       | T&A, Value range from 1 to 254                             |
| Indicator                 | Single LED / Steady On-when pressed                        |
| Material / Colour         | ABS / RED Glossy finishing                                 |
| Dimension/LWH             | 89 x 93 x 35 mm  |
| Weight                    | 102g (with Base), 80g (without Base)                       |
| Class                     | Type A (Optional weatherproof box for outdoor application) |
| Operating Temperature     | -10°C to +55°C   |
| Ingress Protection Rating | IP43   |
| Humidity                  | 0 to 95% RH, Non condensing                                |



### TX7140-PFC Protective Flip Cover



#### Feature and Benefits

- Optional accessory for manual call point TX7140
- Protects call point from accidental operation

#### Technical Specification

|                |                     |
|----------------|---------------------|
| Dimension /LWH | 98.2 x 93.7 x21.4mm |
| Material       | ABS                 |

### TX7140-MB Mounting Box



#### Feature and Benefits

- Optional accessory for manual call point TX7140
- Surface mounting back box

#### Technical Specification

|                  |                          |
|------------------|--------------------------|
| Dimension /LWH   | 86.5 x 86.5 x 40mm       |
| Material /Colour | ABS/Red Glossy finishing |

### TX7980 Base



#### Feature and Benefits

- Used to mount intelligent smoke, heat, multi-sensor and sounder strobe base
- No electronics circuit

#### Technical Specification

|                       |                              |
|-----------------------|------------------------------|
| Approvals             | LPCB / CE                    |
| Material / Colour     | ABS / White Glossy finishing |
| Dimension / Height    | Diameter 99.7 mm / 15mm      |
| Weight                | About 55g                    |
| Operating Temperature | -10°C to +50°C               |
| Humidity              | 0 to 95% RH, Non condensing  |

### TX7232 Base Mount Short Circuit Isolator

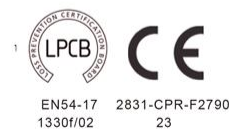


#### Feature and Benefits

- EN 54-17 and EN54-13 Compliance
- In the event of a short circuit isolates faulty parts of the loop.
- Automatically resetting once the fault has been cleared
- Can monitor up to 70 devices
- LED status indicator
- Loop powered device
- Surface mounting with fix base for simple installation

#### Technical Specification

|                       |  |
|-----------------------|--|
| Approvals             | LPCB/CE-CPR                            |
| Input Voltage         | 24VDC [16V to 28V]                     |
| Current Consumption   | Standby ≤0.15mA, Alarm: ≤2mA           |
| Protocol              | T&A                                    |
| Number of monitored   | Maximum up to 70 Devices               |
| Output Impedance      | 480 mΩ                                 |
| Indicator Status      | Normal: Single blink/Active: Steady-on |
| Material / Colour     | ABS / White Glossy finishing           |
| Dimension / Height    | Diameter 100.7 mm / 35mm               |
| Operating Temperature | -10°C to +50°C                         |
| Humidity              | 0 to 95% RH, Non condensing            |



EN54-17 2831-CPR-F2790  
13301/02 23



## TX7302

## Addressable Sounder Base



EN54-3 1330d/02  
2831-CPR-F4775 23

## Feature and Benefits

- EN54-3 Compliance
- 8 high-light LED Loop powered sounder strobe detector base
- Can be activated by the attached detector
- Built-in MCU processor and digital addressing
- 17 tones Programmable sound output
- Programmable Evacuate or Pre-alarm/Evacuate signal
- Programmable One or Two address mode
- Onsite Adjustable Parameters
- Mounting base using TX7980 (excluded)

## Technical Specification

|                     |   |
|---------------------|---|
| Approvals           | LPCB/CE-CPR                               |
| Input Voltage       | Loop Power: 24VDC [16V to 28V]            |
| Current Consumption | Standbys 0.8mA, Alarm: ≤5mA[Loop powered] |
| Protocol/Addressing | T&A, Value range from 1 to 254            |
| Addressing Mode     | Single Mode: Alarm tone                   |

|                           |  |
|---------------------------|--|
| Material / Colour         | ABS / White Glossy finishing           |
| Diameter / Height         | D: 140 mm / H:59.1 mm (with cover)     |
| Weight                    | 198g (with cover)/180g (without cover) |
| Class                     | Type A, Indoors                        |
| Ingress Protection Rating | IP30                                   |
| Operating Temperature     | -10°C to +55°C                         |
| Humidity                  | 0 to 95% RH, Non condensing            |

## TX7322

## Addressable/Conventional Sounder Base



## Feature and Benefits

- EN54-3 Compliance
- Loop powered sounder detector base
- Can be activated by the attached detector
- Built-in MCU processor and digital addressing
- 17 tones Programmable sound output
- Programmable Evacuate or Pre-alarm/Evacuate signal
- Programmable One or Two address mode
- Onsite Adjustable Parameters
- Mounting base using TX7980 (excluded)

## Technical Specification

|                     |   |
|---------------------|---|
| Input Voltage       | Loop Power: 24VDC [16V to 28V]            |
| Current Consumption | Standby ≤0.8mA, Alarm: ≤4mA[Loop powered] |
| Protocol/Addressing | T&A, Value range from 1 to 254            |
| Addressing Mode     | Non-coding: Alarm Tone                    |

|                           |   |
|---------------------------|---|
| Material / Colour         | ABS / White Glossy finishing              |
| Diameter / Height         | D: 140 mm / H:59.1 mm (with cover)        |
| Weight                    | 194g (With a cover)/176g(Without a cover) |
| Class                     | Type A, Indoors                           |
| Ingress Protection Rating | IP30                                      |
| Operating Temperature     | -10°C to +55°C                            |
| Humidity                  | 0 to 95% RH, Non condensing               |

## TX7130

## Conventional Reflective Beam Detector



EN54-12 1330a/01  
2831-CPR-F2790 21  
0832-UKCA-CPR-F1372 21

## Feature and Benefits

- EN 54-12:2015 Compliance
- Hassle free alignment, built with digital guide display and laser beam pointer
- Employ single-ended design through reflective mirror
- Four ranges wide monitoring from 8-100 meters via encoder
- Three users programming sensitivity adjustment
- Built-in microprocessor
- Self-diagnosis function can monitor for internal faults
- Automatic compensation for factors weakening received signals, such as dust contamination, positional movement and ageing of the transmitter
- Fire and Fault interfacing relays
- Real User friendly alignment method

## Technical Specification

|                         |   |
|-------------------------|---|
| Approvals               | LPCB / CE-CPR   |
| Operating Voltage       | 20 V to 28 V DC   |
| Current Parameters      | Standby:23mA Commission:56mA<br>Alarm:33mA  |
| Beam Sensor Sensitivity | Level 1: 2.6 dB High Sensitivity<br>Level 2: 3.8 dB Medium Sensitivity<br>Level 3: 5.8 dB Low Sensitivity |

## Beam Pathway Length

- Span 1: 8 to 20 meters Limited Path (1x mirror reflector required)
- Span 2: 20 to 40 meters Short Path (1x mirror reflector required)
- Span 3: 40 to 70 meters Normal Path (4x mirror reflector required)
- Span 4: 70 to 100 meters Long Path (4x mirror reflector required)

|                             |  |
|-----------------------------|--|
| Beam Path Angle             | ±0.4° Directional  |
| Alignment Guide             | Laser Beam Pointer   |
| Digital Display Guide       | Nixie Tube   |
| LED Indicator Guide         | Red: Fire; Yellow: Fault; Green: Alignment                               |
| Reset Time                  | Less than 2 Second (Power Cut)   |
| Relay Capacity [Fire/Fault] | Normally Open&Close/ 2.0 A; 30 VDC                                       |
| Material / Colour           | ABS / White Glossy finishing   |
| Dimension / LWH             | 190.87 x 126.87 x 91.96 mm   |
| Weight                      | 1.1 Kg with base   |
| Accessories                 | Mounting Bracket/ TX7130-R 4 x Mirror Reflector (TX7930 sold separately) |
| Operating Temperature       | -10°C to 50°C  |
| Protection Rating           | IP30 [IP66 glue seal-For permanent fixing, Not EN54-12 approved]         |
| Humidity                    | 0 to 95% RH, Non condensing  |

### TX7200 Addressable Input Module



#### Feature and Benefits

- EN54-18 Compliance
- Built-in MCU processor and digital addressing
- Fire or Supervisory signal configuration
- Input cable monitored
- Normally open configuration
- LED status indicator
- Loop powered device
- Surface mounting with fix base for simple installation

#### Technical Specification

|                           |   |
|---------------------------|---|
| Input Voltage             | 24VDC [16V to 28V]                                      |
| Current Consumption       | Standby 0.7mA, Alarm: 1.2mA                             |
| Protocol/Addressing       | T&A, Value range from 1 to 254                          |
| Input Relay               | Normally Open dry contact                               |
| Input Resistance          | 5.1Kohms/ ¼ W   |
| Indicator Status          | Normal: Single blink/Active: Steady/Fault: Double Blink |
| Material / Colour         | ABS / White Glossy finishing                            |
| Dimension / LWH           | 108 x 86 x38 mm   |
| Weight                    | 155g (with Base), 85g (without Base)                    |
| Operating Temperature     | -10°C to +50°C  |
| Ingress Protection Rating | IP30  |
| Humidity                  | 0 to 95% RH, Non condensing                             |

### TX7201 Addressable Zone Monitor Module



#### Feature and Benefits

- EN54-18: 2005/AC2007
- Built-in MCU processor and digital addressing
- Intelligent self-diagnosis of open circuit
- Enhanced capacity of interference resistance by using multilevel wave filtering process
- LED status indicator
- Onsite Adjustable Parameter
- Parallel connecting up to 16 conventional detectors
- Unit mounting with fix base for simple installation

#### Technical Specification

|                           |  |
|---------------------------|--|
| Input Voltage             | Loop Power: 24VDC [16V to 28V]<br>External PSU: 20 to 28VDC                |
| Current Consumption       | Loop Standby: 1.3mA, Alarm: 5mA<br>External PSU Standby: 10mA, Alarm: 60mA |
| Control output voltage    | 24VDC (Only for the use of TX7130, do not allow the short circuit)         |
| End of line Resistance    | 5.1Kohms/ ¼ W  |
| Protocol/Addressing       | T&A, Value range from 1 to 254   |
| Indicator Status          | Normal: Single blink/Active: Steady/Fault: Double Blink                    |
| Material / Colour         | ABS / White Glossy finishing   |
| Dimension / LWH           | 108 x 86 x38 mm  |
| Weight                    | 154g (with Base), 83g (without Base)                                       |
| Ingress Protection Rating | IP30   |
| Humidity                  | 0 to 95%RH, Non condensing   |

### TX7210 Addressable Single Input-output Module



EN54-18 1330e/01  
2831-CPR-F2794 21

#### Feature and Benefits

- EN54-18:2005 Certified
- Built-in MCU processor and digital addressing
- 24VDC/2A Output relay contact and Control module
- Input Fire or Supervisory signal configuration
- LED status indicator
- Onsite Adjustable Parameter
- Loop powered or external power supply
- Surface mounting with fix base for simple installation

#### Technical Specification

|                           |   |
|---------------------------|---|
| Approvals                 | LPCB / CE-CPR   |
| Input Voltage             | Loop Power: 24VDC [16V to 28V]<br>External PSU: 20 to 28VDC                   |
| Current Consumption       | Loop Standby: 0.6mA, Alarm: 1.6mA<br>External PSU Standby: 0.6mA, Alarm: 45mA |
| Control output voltage    | 24VDC / 2A rating   |
| Input Relay               | Normally Open dry contact   |
| Input Resistance          | 5.1Kohms/ ¼ W   |
| Protocol/Addressing       | T&A, Value range from 1 to 254  |
| Indicator Status          | Normal: Single blink/Active: Steady/Fault: Double Blink                       |
| Material / Colour         | ABS / White Glossy finishing  |
| Dimension / LWH           | 108 x 86 x 38 mm  |
| Weight                    | 170g (with Base), 92g (without Base)  |
| Operating Temperature     | -10°C to +50°C  |
| Ingress Protection Rating | IP30  |
| Humidity                  | 0 to 95% RH, Non condensing   |

### TX7220 Addressable Dual Input-output Module



#### Feature and Benefits

- EN54-18 Compliance
- Built-in MCU processor and digital addressing
- Two circuits 24VDC/2A Output relay contact and Control module or two circuits Input Fire or Supervisory signal configuration
- LED status indicator
- Onsite Adjustable Parameter
- Loop powered or external power supply
- Surface mounting with fix base for simple installation

#### Technical Specification

|                           |   |
|---------------------------|---|
| Input Voltage             | 24VDC [16V to 28V]<br>External PSU: 20 to 28VDC                               |
| Current Consumption       | Loop Standby: 0.6mA, Alarm: 2.6mA<br>External PSU Standby: 0.6mA, Alarm: 45mA |
| Control output voltage    | 24VDC / 2A rating (per circuit)   |
| Input Relay               | Normally Open dry contact   |
| Input Resistance          | 5.1Kohms/¼W(per circuit)  |
| Protocol/Addressing       | T&A, Value range from 1 to 254  |
| Indicator Status          | Normal: Single blink/Active: Steady/Fault: Double Blink                       |
| Material/Colour           | ABS/White Glossy finishing  |
| Dimension/LWH             | 108 x 86 x 38mm   |
| Weight                    | 182g(with base), 100g(without base)   |
| Operating Temperature     | -10°C-+50°C   |
| Ingress Protection Rating | IP30  |
| Humidity                  | 0 to 95% RH, Non condensing   |

### TX7230 Analogue Addressable Isolator Module



EN54-17 13301/01  
2831-CPR-F2795 21

#### Feature and Benefits

- EN54-17:2005 Certified
- In the event of a short circuit isolates faulty parts of the loop.
- Automatically resetting once the fault has been cleared
- Can monitor up to 70 devices
- LED status indicator
- Loop powered device
- Surface mounting with fix base for simple installation

#### Technical Specification

|                           |  |
|---------------------------|--|
| Approval                  | LPCB / CE-CPR                          |
| Input Voltage             | 24VDC [16V to 28V]                     |
| Current Consumption       | Standby: 0.15mA, Alarm: 1.8mA          |
| Protocol                  | T&A                                    |
| Number of monitored       | Maximum up to 70 Devices               |
| Output Impedance          | 480 ohms                               |
| Indicator Status          | Normal: Single blink/Active: Steady-on |
| Material / Colour         | ABS / White Glossy finishing           |
| Dimension / LWH           | 108 x 86 x 38 mm                       |
| Weight                    | 152g (with Base), 81g (without Base)   |
| Ingress Protection Rating | IP30                                   |
| Humidity                  | 0 to 95% RH, Non condensing            |

### TX7240 Loop Relay Module



#### Feature and Benefits

- EN54-18 Compliance
- Built-in MCU processor
- Input bus, the output bus signal between the electrical isolation, electromagnetic interference has a good inhibitory capacity, stable and reliable work Input Fire or Supervisory signal configuration
- LED status indicator
- To correct the bus signal, the output standard bus waveform
- Fast intelligent bus output short circuit judge function, bus output short circuit protection function; after the bus is normal, it can recover the bus output in time
- Aesthetically pleasing design

#### Technical Specification

|                       |  |
|-----------------------|--|
| Compliance            | EN 54-18:2005  |
| Input Voltage         | Loop Power: 24VDC [16V to 28V]<br>External PSU: 20 to 28VDC    |
| Current Consumption   | Loop: ≤5mA<br>External PSU: ≤500mA<br>Bus output range: ≤1000m |
| Bus input range:      | ≤1000m   |
| Most cascade three    |  |
| Protocol/Addressing   | T&A, Value range from 1 to 254                                 |
| Indicator Status      | Normal: Single blink/Fault: Steady-on                          |
| Material / Colour     | metal / gray   |
| Dimension / LWH       | 155.0mm×97.0mm×40.0mm  |
| Operating Temperature | -10°C to +55°C   |
| Humidity              | 0 to 95% Relative Humidity,<br>Non condensing                  |

### TX7211 Addressable Sounder Circuit Module



#### Feature and Benefits

- EN54-18 Compliance
- Drive power to conventional sounder or fire bell
- Intelligent self-diagnosis of open circuit
- LED status indicator
- Ousite Adjustable Parameter
- Loop and external power input
- Parallet connecting up to 10 fire alarm(≤500mA)
- Surface mounting with fix base for simple installation

#### Technical Specification

|                      |  |
|----------------------|--|
| Input Voltage        | 24VDC [16V to 28V]<br>Power: 24VDC [20VDC-28VDC]                             |
| Current Consumption  | Loop: Standby: 1.5mA, Alarm: 10mA<br>External PSU Standby: 4mA, Alarm: 500mA |
| End of Line Resistor | 5.1 Kohms / ¼W   |
| Material / Colour    | ABS / White Glossy finishing   |
| Dimension / LWH      | 108 x 86 x 38 mm   |
| Weight               | 154g (with Base), 83g (without Base)   |
| Humidity             | 0 to 95% RH, Non condensing  |



### TX7222 Addressable Zone Monitor and Sounder Circuit Module



#### Feature and Benefits

- Built-in MCU processor and digital addressing
- Intelligent self-diagnosis of open circuit
- Enhanced capacity of interference resistance by using multilevel wave filtering process
- LED status indicator
- Onsite Adjustable Parameter
- Loop and external power input
- Aesthetically pleasing design
- N,P terminal parallel connecting up to 32 conventional detector
- S+,S - terminal parallel connecting up to 10 conventional detector
- Module mounting with fix base for simple installation



#### Technical Specification

|                        |   |
|------------------------|---|
| Input Voltage          | Loop Power: 24VDC [16V to 28V]<br>External PSU: 20 to 28VDC   |
| Current Consumption    | Loop Standby: 1.5mA, Alarm: 6mA<br>External PSU: Standby 15mA, Alarm: 500mA   |
| Control output voltage | 24VDC (Only for the use of TX7130,<br>The normally open output  |
| End of line Resistance | 5.1Kohms/ ¼ W   |
| Protocol/Addressing    | T&A, Value range from 1 to 254  |
| Indicator Status       | Alarm LED: red, Normal<br>Single blink/Alarm: Steady<br>Fault LED: yellow, Normal<br>Not bright/Fault: Steady<br>Activation LED: red, Normal<br>Not bright/Active: Steady |
| Material / Colour      | ABS / White Glossy finishing  |
| Dimension / LWH        | 108 mm x 86 mm x 38 mm  |
| Weight                 | 162g (with Base), 87g (Without Base)  |
| Operating Temperature  | -10°C to +50°C  |
| Humidity               | 0 to 95% RH, Non condensing   |

### TX7990 Mounting Box for Module



#### Feature and Benefits

- Optional accessory for TNA TX7 series modules
- Surface mounting back box

#### Technical Specification

|                 |                 |
|-----------------|-----------------|
| Dimension / LWH | 107 x 87 x 40mm |
|-----------------|-----------------|

### TX7223 Addressable 12in/2out Module



#### Feature and Benefits

- A non polar bus of two wire
- Twelve input detection ports, two contact output ports.
- The input ports have the function of line fault detection.
- Software and hardware filter technology is used to improve the anti-interference ability of the module

#### Technical Specification

|                        |  |
|------------------------|--|
| Current Consumption    | Bus monitoring current: ≤1.5mA,<br>Equipment monitoring current: ≤40mA |
| Input Voltage          | Loop Power: 24VDC (18V~28V)  |
| Contact output voltage | 30VDC / 2A (per circuit)   |
| Dimension / LW         | 142 x 90 mm  |
| Weight                 | 350g   |
| Operating Temperature  | -10°C to +50°C   |
| Humidity               | 0 to 95% RH, Non condensing  |

### TX7221 Multichannel I/O Module



#### Feature and Benefits

- A non polar bus of two wire
- Four input detection ports, four contact output ports, one active output port.
- The input ports have the function of line fault detection
- Software and hardware filter technology is used to improve the anti-interference ability of the module

#### Technical Specification

|                        |  |
|------------------------|--|
| Current Consumption    | Bus monitoring current: ≤1.5mA,<br>Equipment monitoring current: ≤25mA |
| Input Voltage          | Loop Power: 24VDC (18V~28V)  |
| Active output voltage  | 30VDC / 500mA  |
| Contact output voltage | 30VDC / 2A (per circuit)   |
| Dimension / LW         | 150 x 100 mm   |
| Weight                 | 350g   |
| Operating Temperature  | -10°C to +50°C   |
| Humidity               | 0 to 95% RH, Non condensing  |

## TX7320

## Addressable Sounder



## Feature and Benefits

- EN54-3 Compliance
- Built-in MCU processor and digital addressing
- 17 tones Programmable sound output
- Programmable Evacuate or Pre-alarm/Evacuate signal
- Low and normal consumption mode
- One or Two addresses mode
- Onsite Adjustable Parameters
- Loop or external power input
- Ceiling or wall mount installation



## Technical Specification

## Input Voltage

Typical Current  
[Loop and External PSU]  
Saving Current  
Protocol/Addressing  
Single Address  
Dual Address  
Sound Level Pressure  
Material / Colour  
Dimension/ Height  
Weight  
Class  
Operating Temperature  
Ingress Protection Rating  
Humidity

Loop Power: 24VDC [18V to 27.5V]  
External PSU: 24VDC[20V to 27.5V]  
Loop Standby: 0.6mA, Alarm: 1.5mA  
External PSU Standby: 0.6mA, Alarm: 12mA  
Standby: 1.2mA, Alarm: 7mA[Loop powered]  
T&A, Value range from 1 to 254  
Evacuate Tone  
1st Alert Tone / 2nd Evacuate tone  
102 dB(A) at 1 meter/ tone 14  
ABS / RED Glossy finishing  
Diameter 110 mm / 39.6 (with Base)  
180g (with Base), 114g (Without Base)  
Type A, Indoors ,  
-10°C to +50°C  
IP21  
0 to 95% RH, Non condensing

## TX7300

## Addressable Sounder Strobe



## Feature and Benefits

- EN54-3:2001 + A1:2002 + A2:2006 Certified/ LPCB Approved
- Built-in MCU processor and digital addressing
- 17 tones Programmable sound output
- Programmable types such as Sounder-Strobe, Sounder or Strobe only
- Programmable Evacuate or Pre-alarm/Evacuate signal
- Low and normal consumption mode
- One or Two addresses mode
- 10 Highlights LED status cluster
- Onsite Adjustable Parameters
- Loop or external power input
- Ceiling or wall mount installation

## Technical Specification

Approvals  
Input VoltageTypical Current  
[Loop and External PSU]

## Saving Current

## Protocol/Addressing

## Single Address

## Dual Address

## Sound Level Pressure

## Strobe Light

## Material / Colour

## Dimension / Height

## Weight

## Class

## Operating Temperature

## Ingress Protection Rating

## Humidity

LPCB / CE-CPR  
Loop Power: 24VDC [18V to 27.5V]  
External PSU: 24 VDC [20V to 27.5V]  
Loop Standby: 0.6mA, Alarm: 1.5mA  
External PSU Standby: 0.6mA, Alarm: 15mA  
Standby: 1.2mA, Alarm: 9mA[Loop powered]  
T&A, Value range from 1 to 254  
Evacuate Tone  
1st Alert Tone / 2nd Evacuate tone  
102 dB(A) at 1 meter/ tone 14  
10 Highlights LED  
ABS / RED Glossy finishing  
Diameter 110 mm / 39.6mm (with Base)  
176g (with Base), 110g (Without Base)  
Type A, Indoors ,  
-10°C to +50°C  
IP21  
0 to 95% RH, Non condensing

## TX7301

## Addressable Sounder Strobe



## Feature and Benefits

- EN54-3 Compliance
- Built-in MCU processor and digital addressing
- 17 tones Programmable sound output
- Programmable types such as Sounder-Strobe, Sounder or Strobe alone
- Programmable Evacuate or Pre-alarm/Evacuate signal
- Low and normal consumption mode
- One or Two addresses mode
- 10 Highlights LED status cluster
- Onsite Adjustable Parameters
- Loop or external power input
- Wall mount

## Technical Specification

## Input Voltage

Typical Current  
[Loop and External PSU]  
Saving Current  
Protocol/Addressing  
Single Address  
Dual Address  
Sound Level Pressure  
Strobe Light  
Material / Colour  
Dimension / LWH  
Weight  
Class  
Operating Temperature  
Ingress Protection Rating  
Humidity

Loop Power: 24VDC [18V to 27.5V]  
External PSU: 24 VDC [20V to 27.5V]  
Loop Standby: 0.7mA, Alarm: 1.5mA  
External PSU Standby: 0.6mA, Alarm: 22mA  
Standby: 1.2mA, Alarm: 9mA[Loop powered]  
T&A, Value range from 1 to 254  
Evacuate Tone  
1st Alert Tone / 2nd Evacuate tone  
102dB(A) at 1 meter  
10 Highlights LED  
ABS / RED Glossy finishing  
152.5 x 88.5 x 46.75 mm (without base)  
184g (with Base), 124g (Without Base)  
Type A, Indoors ,  
-10°C to +50°C  
IP21  
0 to 95% RH, Non condensing



EN54-3 2831-CPR-F2793  
1330d/01 21

### TX7142 Intelligent Manual Call Point



#### Feature and Benefits

- Using microprocessor technology
- Digital addressing
- Non-breakable plastic and hammerless
- Safe to operate and easy to reset
- Indoor application

#### Technical Specification

|                           |   |
|---------------------------|---|
| Input Voltage             | 24VDC [16V to 28V]  |
| Current Consumption       | Standby :0.65mA, Alarm: 1.00mA  |
| Protocol/Addressing       | T&A, Value range from 1 to 254  |
| Indicator                 | Alarm LED / Steady On-when pressed<br>Periodically flash during patrol inspection<br>Flashing cycle: about 6 s<br>Tel LED/ Periodically flash when connected to the telephony Bus<br>flashing cycle: about 14 s |
| Material / Colour         | ABS / RED   |
| Dimension                 | 90 mm x 90 mm x 34 mm   |
| Weight                    | 93g (with Base)   |
| Printer                   | Mini type thermo-sensitive printer  |
| Weight                    | 93g (with Base)   |
| Operating Temperature     | -10°C to +55°C  |
| Ingress Protection Rating | IP43  |
| Humidity                  | 0 to 95% Relative Humidity<br>Non condensing  |

### TX7153 Fire Hydrant Start Button



#### Feature and Benefits

- Using microprocessor technology
- Digital addressing
- Non-breakable plastic and hammerless
- Safe to operate and easy to reset
- Indoor application

#### Technical Specification

|                           |  |
|---------------------------|--|
| Input Voltage             | 24VDC [16V to 28V]   |
| Current Consumption       | Standby :0.65mA, Alarm: 1.50mA   |
| Protocol/Addressing       | T&A, Value range from 1 to 254   |
| Indicator                 | Red LED / Steady On-when pressed<br>Periodically Flash during patrol inspection<br>Flashing cycle: about 6 ms<br>Green LED/Steady On-when fire pump has been started |
| Material / Colour         | Fireproof ABS / RED Glossy finishing   |
| Dimension                 | 90 mm x 90 mm x 34 mm  |
| Weight                    | 90.5g (with Base)  |
| Operating Temperature     | -10°C to +55°C   |
| Ingress Protection Rating | IP43   |
| Humidity                  | 0 to 95% Relative Humidity<br>Non condensing   |



# TG7 Fire Broadcast System

The fire emergency broadcast system is a special one for fire communication. It is suitable for hotels, restaurants, office, buildings, educational centers, banks, warehouses, libraries, etc.,.

## TG7100

### Broadcast Control Panel



#### Feature and Benefits

- Three start mode: auto, manual and contact input
- Support multiple audio inputs, such as emergency broadcast, U disk, MIC, external line 1, external line 2
- Provide MP3 and WMA formats
- Supports 10-level cascaded power amplifiers
- Large reserved space for broadcast sound, and broadcast sound can be synthesized and imported
- Automatically detect U disk and MIC
- LED for emergency broadcast
- Black and white 128x64 LCD, displaying 32 characters

#### Technical Specification

|                          |  |
|--------------------------|--|
| Rated Voltage            | 24VDC(20VDC-28VDC)   |
| Operating Current        | ≤500mA, Standby Current<100Ma  |
| MP3 Bit Rate             | Supporting up to 320kpbs   |
| Audio Output             | <0dB   |
| External Line 1 input    | -10dB, Input Impedance ≥47KΩ   |
| External Line 2 input    | <0dB   |
| Maximum Recording Length | 9-hour length recording, saving for almost 10 years, and overwriting 100,000 times |
| Recording Segment        | Up to 999  |
| Supporting Zone          | Up to 210  |
| Communication Mode       | RS485/CAN  |
| Dimension/LWH            | 483 x 160 x 133mm  |
| Weight                   | 2.9kg  |
| Temperature              | 0°C-+40 °C   |
| Humidity                 | 0 to 95% RH, Non condensing  |

## TG7300/TG7301/TG7302

### Power Amplifier



#### Feature and Benefits

- Self-check is available
- Auto/Manual mode
- The monitor can be muted automatically to eliminate audio return while the microphone is used to broadcast
- As it receives the emergency signal, the power amplifier can automatically adjust audio to preset position not controlled by the volume potentiometer, eliminating the influence of human operation
- Automatically switching between the main power and the standby power, Fault uploading, Over heat protection
- Providing 24VDC off-set for local audio output line and line-checking module
- Communicate with TG7100 Broadcast Control Panel through RS485

#### Technical Specification

|                       |                                       |
|-----------------------|---------------------------------------|
| Power Capacity        | 150W/300W/500W                        |
| The Main Power        | 220VAC(187V-242V)50Hz                 |
| Standby Power         | 220VAC(187V-242V)50Hz                 |
| Local Address         | 1-10 (binary code, no repeated codes) |
| Input Resistance      | 10kΩ                                  |
| Input Level           | 775mV                                 |
| Stable Voltage Output | 120V                                  |
| Frequency Response    | 80Hz-8KHz (90V-145V)                  |
| Harmonic Distortion   | ≤5%                                   |
| Noise Level           | <37mV                                 |
| Dimension/LWH         | 483 x 330 x 88.5mm                    |
| Weight                | 6.5kg                                 |
| Temperature           | 0°C-+40 °C                            |
| Humidity              | 0 to 95% RH, Non condensing           |

## TX7214 Addressable Broadcast Control Module



### Feature and Benefits

- EN54-18:2005
- Build in MCU processor and digital addressing
- 24VDC/2A Output relay contact and Control module
- Input fire or Supervisory signal configuration
- LED status indicator
- Onsite Adjustable Parameter
- Loop or external power input
- Surface mounting with fix base for simple installation

### Technical Specification

|                        |  |
|------------------------|--|
| Input Voltage          | Loop power: 24VDC[16V to 28V]<br>External PSU: 20 to 28VDC                   |
| Current Consumption    | Loop Standby: 0.6mA, Alarm:2.1mA<br>External PSU Standby: 1.5mA, Alarm:9.0mA |
| Control output voltage | 24VDC/2A rating  |
| Input Relay            | Normally Open dry contact  |
| Protocol/Addressing    | T&A, Value range from 1 to 254   |
| Indicator Status       | Normal:Fault blink/Active:Output Activation<br>Steady/Fault:Fault Steady     |
| Material / Colour      | ABS / White Glossy finishing   |
| Dimension/LWH          | 108 x 86x 38 mm  |
| Weight                 | 160g(with base),89g(without base)  |
| Operating Temperature  | -10°C to +50°C   |
| Humidity               | 0 to 95% RH, Non condensing  |

## TX3353E Speaker



### Technical Specification

|                           |              |
|---------------------------|--------------|
| Input Voltage             | 120V         |
| Rated Power               | 5W           |
| Rated Frequency           | 150HZ~8000HZ |
| Sensitivity Level         | 90dB+3dB     |
| Total Harmonic Distortion | 0.05% (1kHz) |
| Working Temperature       | -10°C~55°C   |
| Humidity                  | <95%         |
| Dimension                 | ø160.0mm     |

## TN7 Fire Telephone System

TN7100 Addressable Fire Telephone System is a bus communication system. It is suitable for hotels, plaza, restaurants, office, buildings, Educational centers, banks, warehouses, libraries, etc,.



**TN7000****Fire Telephone Control Panel****Feature and Benefits**

- GB16806-2006
- Non-polarized two-wire for communication and talk, cost effective for wiring
- Connect up to 100 TN7100 Addressable Fire Extension Telephone, talk with maximum 3 extension telephones simultaneously
- Support up to 9-hour recording of talk
- Provide 999 different kinds of messages which can be searched by type or time
- Black and white 128x64 LCD, displaying 64 characters

**Technical Specification**

|                        |                             |
|------------------------|-----------------------------|
| Rated Voltage          | 24VDC(20VDC-28VDC)          |
| Operating Current      | <600mA                      |
| Capacity               | 100 address points (1-100)  |
| Voice Frequency        | 300Hz- 3400Hz               |
| Crosstalk Level        | <-60dB                      |
| Transmission Loss      | <5dB                        |
| Loop Resistance        | <300Ω                       |
| Communication Distance | <1000M                      |
| Dimension/LWH          | 483 x 200 x 88.5mm          |
| Weight                 | 3.0kg                       |
| Temperature            | 0°C~+40 °C                  |
| Humidity               | 0 to 95% RH, Non condensing |

**TN7100****Addressable Fire Extension Telephone****Feature and Benefits**

- GB16806-2006
- Non-polarized two-wire for communication and talk, cost effective for wiring
- Using electronic addressing
- Lifting the extension can call a fire telephone control panel
- As the extension receives a call from a fire telephone control panel, it will ring to remind customers of answering it

**Technical Specification**

|                       |  |
|-----------------------|--|
| Operating Current     | Standby Current ≤600 uA<br>Talk Currents ≤25mA                               |
| Programming           | Electronically addressing for one code                                       |
| Wiring                | Connect with the fire telephone control panel through non polarized two-wire |
| Voice Frequency       | 300Hz-3400Hz   |
| Colour                | Color of the Enclosure: Red  |
| Dimension/LWH         | 204 X 80 X 56.7 MM   |
| Weight                | 350g   |
| Operating Temperature | 0°C~+55 °C   |
| Humidity              | 0 to 95% RH, Non condensing  |

**TN7101****Fire Telephone Mobile Handset****Feature and Benefits**

- GB16806-2006
- The handset can be taken along so that it is convenient for fire management personnel to use
- Using special telephone chip with clear and reliable talk
- The handset can directly call a fire telephone control panel as it is plugged into a jack socket

**Technical Specification**

|                       |   |
|-----------------------|---|
| Operating Voltage     | 24VDC(Telephone bus 18V-28V)                                  |
| Operating Current     | Currents ≤25mA  |
| Wiring                | Connect with Jack Sockets through non polarized telephone bus |
| Voice Frequency       | 300Hz-3400Hz  |
| Plug                  | 3.5mm mono audio plug   |
| Colour                | Color of the Enclosure: red                                   |
| Dimension/LWH         | 199.8 X 50 X 38.5MM   |
| Weight                | 160g  |
| Operating Temperature | -10°C~+55 °C  |
| Humidity              | 0 to 95% RH, Non condensing                                   |

**TN7200****Relay Module****Feature and Benefits**

- GB16806-2006
- Isolating input and output of the bus, power supply, enhancing the communication quality and anti-interference ability
- Non-polarized 24VDC power input and telephone bus input, convenient for installation, operation and maintenance in field
- Featuring of short circuit protection for bus output

**Technical Specification**

|                        |                              |
|------------------------|------------------------------|
| Operating Voltage      | 24VDC(Telephone bus 18V-28V) |
| Operating Current      | ≤600 mA                      |
| Communication Distance | ≤1000m (twisted pair)        |
| Dimension/LWH          | 121 X 188 X 39.5 MM          |
| Weight                 | 600g                         |
| Operating Temperature  | -10°C~+40 °C                 |
| Humidity               | 0 to 95% RH, Non condensing  |

**TN3103****Fire Extension Telephone****Technical Parameters**

|                     |   |
|---------------------|---|
| Operating voltage   | DC24V(telephonebus18V~28V)  |
| Operating current   | ≤25mA   |
| Voice frequency     | 300Hz~3400Hz  |
| Plug type           | 3.5mmmonoaudioplug  |
| Usage environment   | Temperature:-10°C~+55°C<br>Relativehumidity:≤95%RH;non-condensing |
| External dimensions | 199.8mm×50.0mm×38.5mm   |
| Enclosure colour    | Red   |
| Weight              | Approximately150g   |



#### TN7300

##### Addressable Fire Telephone Jack Socket



##### Feature and Benefits

- GB16806-2006 Compliance
- Non-polarized two-wire for communication and talk, cost effective for wiring
- Using electronic addressing
- TN7301 Jack Socket can be connected
- The telephone line output port has the feature of open and short circuits checking

##### Technical Specification

|                       |   |
|-----------------------|---|
| Operating Voltage     | 24VDC(Telephone bus 18V-28V)  |
| Operating Current     | Standby Current ≤600 uA<br>Talk Currents 25mA   |
| Load Capacity         | Connecting up to 150 TN7301 Jack Socket   |
| Programming           | Electronically addressing for one code  |
| Wiring                | Connect with the fire telephone control panel through non-polarized two-wire and with TN7301 Jack Socket through non-polarized telephone line |
| End-of-line resistor  | 24kΩ (20kΩ-25kΩ)  |
| Colour                | Color of the Enclosure: white for the bottom and red for the front panel  |
| Dimension/LWH         | 86.6 X 86.6 X 56.3 MM   |
| Weight                | 65g   |
| Operating Temperature | -10°C-+55 °C  |
| Humidity              | 0 to 95% RH, Non condensing   |

#### TN7301

##### Fire Telephone Jack Socket



##### Feature and Benefits

- GB16806-2006 Compliance
- Non-polarized two-wire for supply and talk, cost effective for wiring
- Static power consumption is tiny

##### Technical Specification

|                       |   |
|-----------------------|---|
| Operating Voltage     | 24VDC(Telephone bus 18V-28V)  |
| Operating Current     | Currents 20uA   |
| Wiring                | Connect with TN7300 Addressable Fire Telephone Jack Socket through non-polarized telephone line |
| End-of-line resistor  | 24kΩ (20kΩ-25kΩ)  |
| Colour                | Color of the Enclosure: white for the bottom and red for the front panel.                       |
| Dimension/LWH         | 88.6 X 88.6 X 56.3MM  |
| Weight                | 50g   |
| Operating Temperature | -10°C-+55 °C  |
| Humidity              | 0 to 95% RH, Non condensing   |

## TXC7 Series Conventional Fire Alarm System

LPCB Approved

The conventional fire alarm system is easy to install and debug, and easy to operate. The system is cost-effective and a good option for some occasions like commercial buildings, stores, schools, and homes.,



**TXC7001/TXC7002/TXC7004/  
TXC7008/TXC7012  
Conventional Fire Alarm Control  
Panel**



**Feature and Benefits**

- Flexible configuration of fire alarm output points
- Convenient and practical Test mode
- Equipped with modular switching power supply
- Equipped with reliable lithium iron phosphate battery
- Support 1/2/4/8/12 partition

**Technical Specification**

|                        |  |
|------------------------|--|
| Main Power Supply      | AC220V (range 187V ~ 242V), 50Hz                   |
| Max. Operating Current | 2.8A   |
| Backup Power           | 12.8V, 4Ah   |
| Capacity               | Each partition supports up to 30 front-end devices |
| Auxiliary Power Output | 0.5A / partition                                   |
| Bell Output            | 0.5A / partition                                   |
| Size                   | 311mm×60mm×251mm                                   |
| Weight                 | 1.5 kg   |
| Mounting Pitch         | Horizontal spacing 270mm<br>vertical spacing 215mm |
| IP Class               | IP30   |
| Operating Environment  | 0°C~+40°C  |
| Relative Humidity      | ≤95% Non condensing                                |

**TXC7111  
Conventional Heat Detector**



**Feature and Benefits**

- Aesthetically pleasing low profile design
- Low power consumption, simple to use
- Quicker responding speed to variation of ambient temperature
- Enhanced capacity of interference resistance by multilevel wave filters
- Fully-sealed PCB board protection process

**Technical Specification**

|                       |   |
|-----------------------|---|
| Operating Voltage     | DC24V±20%   |
| Operating Current     | Monitoring: ≤ 0.15mA, Alarm: 20mA±4mA   |
| Indicator             | Monitoring: Red, flashes periodically<br>Alarming: Red, always on<br>Mal-function: off or flashes irregularly |
| Operating Environment | -10°C~+50°C   |
| Relative Humidity     | ≤95% Non condensing   |
| Color                 | White   |
| Weight                | 85g   |

**TXC7101  
Conventional Smoke Detector**



**Feature and Benefits**

- Low power consumption, user friendly
- High reliability by auto drift compensation
- Enhanced capacity of interference resistance by multi-level wave filtering process
- Fully sealed PCB board

**Technical Specification**

|                       |   |
|-----------------------|---|
| Operating Voltage     | DC24V±20%   |
| Operating Current     | Monitoring: ≤ 0.15mA, Alarm: 20mA±4mA   |
| Indicator             | Monitoring: Red, flashes periodically<br>Alarming: Red, always on<br>Mal-function: off or flashes irregularly |
| Operating Environment | -10°C~+50°C   |
| Relative Humidity     | ≤95% Non condensing   |
| Color                 | White   |
| Weight                | 100g (including base)   |

**TXC7987  
Detector Base**



**Feature and Benefits**

- Designed for TXC7101/TXC7111 detectors
- Non-electronic component



**TXC7301**  
Conventional Sounder Strobe



## Feature and Benefits

- Non polarized 2-wire conventional sounder strobe
- Strobe with high intensity LED cluster
- Low power consumption
- Long lifespan
- Compatible with all conventional control panels
- Non-coding

## Technical Specification

|                         |  |
|-------------------------|--|
| Operating Voltage       | 24VDC (Range: 15~28VDC)  |
| Starting Current        | <10.0mA  |
| Sound Pressure Level    | After starting, the sound changed from small to large, 3 to 5 seconds, 3 meters ahead 75-105dB |
| Flashing Frequency      | 1.0~1.8Hz  |
| Sound Pulsing Frequency | 2.5S~4.5S  |
| Temperature             | -10°C~55°C   |
| Humidity                | ≤95% Non condensing  |
| Dimension               | 100 x 44mm (with base)   |
| Material & Color        | Plastic, Red & White   |
| Weight                  | 108g (with base)   |

**TXC7141**  
Conventional Manual Call Point



## Feature and Benefits

- Reliable and stable hardware circuit, which is not affected by electromagnetic interference
- After plastic dome pressed, a special key is used to reset it manually
- After plastic dome pressed, manual button provides separate output contact to control other external equipment directly.
- Plug-type structure is installed easily and reliably

## Technical Specification

|                     |                                   |
|---------------------|-----------------------------------|
| Operating Voltage   | 24VDC (Range: 16~28VDC)           |
| Operating Current   | Normal: ≤20uA, alarm: ≤30mA       |
| Starting Parts Type | Reusable                          |
| Start Type          | Press plastic dome manually       |
| Wiring              | two-wire system, without polarity |
| Temperature         | -20°C~55°C                        |
| Mounting Hole Pitch | 60mm                              |
| Humidity            | ≤95% Non condensing               |
| Dimension           | 90.0mm×90.0mm×34.0mm (with base)  |
| Material & Color    | Plastic, Red                      |
| Weight              | 90g (with base)                   |



## Wireless Home Security Products

Wireless systems are used for homes, villas, shops, motel, banks and also for historical building to preserve the originality.



**JB-QB-TX3003M**  
Wireless Control Panel



#### Feature and Benefits

- Two-wire bus communication function
- Fire alarm dialing function
- Operation interface with window and English character menu

#### Technical Specification

|                           |  |
|---------------------------|--|
| Power Supply              | Host machine power supply:<br>Rated voltage AC220V/50Hz (187V~242V)<br>Host machine backup power:<br>DC3.7V/3500mAh (built-in)<br>Maximum power: 12W (alarm state)<br>Standby power: <1W |
| Power Consumption         | 1 loop, each loop has 16 address points<br>2.8-inch TFT LCD (320×240 graphic matrix)   |
| Capacity                  | ABS/White  |
| Display                   | 194.0mm×104.0mm×29.5mm   |
| Material/Color            | Temperature: 0°C ~ +40°C,<br>Relative humidity: ≤95%,<br>no condensation   |
| Outline dimension (L×W×H) | IP30   |
| Operating Environment     | Weight<br>343g   |
| Protection Class          |  |
| Weight                    |  |

**JTY-GF-TX3190C-F**  
Wireless Smoke Detector



#### Feature and Benefits

- Support Lora wireless communication technology for extra saving on cable cost
- 360-degree visual indicator
- Automatic compensation function, for some performance drift caused by external environmental factor changes to some extent, can automatically make compensation, improve the reliability of the smoke detector
- Built-In buzzer in detector, can be used as standalone detector
- Provide real time algorithm to FACP or Platform
- Built-In unique ID which networking with FACP

#### Technical Specification

|                         |   |
|-------------------------|---|
| Input Voltage           | DC3V  |
| Current Consumption     | Standby: < 40uA<br>Alarm: <40mA                     |
| Communication Frequency | Lora  |
| Protection area         | 60m²~100m²  |
| Color                   | White   |
| Material                | PP material   |
| Dimension/Height        | Diameter: 111 mm,<br>Height: 69 mm (including base) |
| Weight                  | 225.6g (including the battery)                      |
| Temperature             | -10°C ~ +55°C                                       |
| Humidity                | 0 to 95% RH, Non condensing                         |

**J-SAP-M-TW3240**  
Wireless Manual Call Point



#### Feature and Benefits

- No wiring is required to use FosLink wireless communication technology
- The built-in unique ID can be networked with wireless modules and fire alarm Controllers
- It has the function of uploading battery undervoltage faults
- Plug-in structure design, easy and reliable installation
- Pressing the button must be manually reset using a dedicated key

#### Technical Specification

|                                |  |
|--------------------------------|--|
| Operating Voltage              | DC3V (CR17450)   |
| Working Current                | Monitoring Current: < 40uA<br>Alarm Current: < 20mA                                  |
| Start-up part type             | Reusable type  |
| Maximum communication distance | Open Space: 300m   |
| Shell material and color       | ABS, red   |
| External dimensions            | 89mm×89mm×36mm   |
| Weight                         | Approximately 109g   |
| Using environment              | Indoor, temperature -10°C ~ +55°C,<br>relative humidity ≤ 95% RH,<br>no condensation |

**JTW-ZOF-TX3180**  
Wireless Heat Detector



#### Feature and Benefits

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

#### Technical Specification

|                                |  |
|--------------------------------|--|
| Operating voltage              | DC3.0V (two batteries, 1.5V FR14505/AA)  |
| Operating current              | Monitoring current: <40uA<br>Alarm current: <40mA                                    |
| Alarm type                     | AR   |
| 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 area   |
| Color                          | pearl white  |
| Dimension/Height               | Diameter 100.3mm/51.0mm (With Base)  |
| Weight                         | 125g (With Battery)  |
| Operating environment          | temperature -10°C ~ +50°C,<br>relative humidity ≤ 95% RH,<br>no condensation         |

### TW3221 (Foslink) Wireless I/O Module



#### Feature and Benefits

- Using microprocessor technology
- Support Lora wireless communication technology for extra saving on cable cost
- Built-In unique ID which networking with FACP
- Fully sealed PCB board
- Low voltage remind function

#### Technical Specification

|                         |   |
|-------------------------|---|
| Input Voltage           | 3VDC (2 x 1.5VFR14505/AA battery)   |
| Current Consumption     | Standby: < 30uA<br>Alarm: < 5mA   |
| Communication Frequency | Lora  |
| Communication Distance  | Max300m   |
| Indicator Status        | Normal: Green lightsingle blink every 75s<br>Fault: Yellow light single blink every 50s<br>Alarm: Red light keep on |
| Color                   | Oyster white  |
| Dimension/LWH           | 87.0 x 85.0 x 28.0mm (With Base)  |
| Weight                  | 149g (With Battery)   |
| Temperature             | -10°C ~ +55°C   |
| Humidity                | 0 to 95% RH, Non condensing   |

### TW3232 Wireless Sounder Strobe



#### Feature and Benefits

- Adopt FosLink wireless communication technology, without wiring
- One unique ID is built in, and it can network with wireless transmission module and fire alarm control panel
- Using multiple high-brightness LEDs as light sources, eye-catching display, long life and low power consumption
- With sound gradient function, it can be used in a wide range of places
- It is provided with battery under-voltage reminding function

#### Technical Specification

|                       |  |
|-----------------------|--|
| Op Voltage            | DC3.0V   |
| Operating current     | Monitoring current: <40uA<br>Alarm current: <40mA                          |
| Flash Freq            | 1.1~1.8Hz  |
| Pitch Cycle           | 2~4s   |
| RF Frequency          | 470~510MHz   |
| Tx Power              | ≤17dBm   |
| Max Comm Distance     | 300m in open space   |
| Ingress protection    | IP30   |
| Operating environment | Temperature 0°C ~ +55°C<br>Relative humidity: ≤95%RH, without condensation |
| Color                 | White (astigmatism section is red)   |
| Weight                | 165g (including batteries)   |
| Outline dimension     | Φ100mm×H48mm (including base)  |

### JTY-GF-TX3190A Standalone Smoke Detector



#### Technical Parameters

|                                   |  |
|-----------------------------------|--|
| Operating voltage                 | DC3V   |
| Operating current                 | Monitoring current: <40uA<br>Alarm current: <40mA  |
| Alarm sound                       | higher than 80dB (at 3m right ahead, A-weighted)   |
| Protection area                   | 60m <sup>2</sup> ~100m <sup>2</sup>  |
| Alarm status                      | red indicator light flashes quickly;<br>the buzzer sends an alarm signal.                    |
| Fault status                      | Under-voltage fault: the yellow light flashes once every 50s, and the buzzer sounds briefly; |
| Dust accumulation fault           | the yellow light is always on, and the buzzer sounds briefly every 50s.                      |
| Normal monitoring status          | the green light flashes once every 60s   |
| Fault status                      | the yellow light flashes once every 60s  |
| Operating environment temperature | -10°C ~ +50°C  |
| Relative humidity                 | ≤95%RH, without condensation   |
| Weight about:                     | 225.6g (including the battery)   |
| Outline dimension diameter        | 111mm, height: 69mm (including base)   |
| Installation holes spacing        | 24mm   |

### TX3260 Two-Wire Gateway



#### Feature and Benefits

- 24V bus power input design
- Built-in high performance microprocessor
- Front-end equipment FosLink signals are converted to bus signals
- Gateway is directly configured by FosLink configuration software

#### Technical Specification

|                                   |   |
|-----------------------------------|---|
| Operating voltage                 | DC15V~DC26V   |
| Maximum current                   | <250mA  |
| Communication type                | FosLink wireless communication                        |
| Wireless communication frequency  | 470 ~ 510MHz  |
| Wireless transmitting power       | ≤17dBm  |
| Maximum communication distance    | 1500m in open air                                     |
| The number of front-end equipment | 200   |
| Mounting type                     | wall-mounted type                                     |
| Operating environment             | temperature -10°C ~ +42°C<br>relative humidity ≤95%RH |
| Outline dimension                 | no condensation                                       |
| Housing color                     | black   |
| Weight                            | about 180g  |
| Outline dimension                 | 118mm×105mm×28mm (excluding antenna)                  |

JTW-ZOF-TX3180A  
Standalone Heat detector



#### Technical Parameters

|                            |   |
|----------------------------|---|
| Operating voltage          | DC3V (two batteries, 1.5V FR14505/AA)   |
| Operating current          | Monitoring current: <40uA<br>Alarm current: <40mA                                     |
| Alarm type                 | AR  |
| Alarm sound pressure level | The sound changes from low to high and is 45dB ~ 75dB (A-weighted) at 3m right ahead. |
| 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°C ~ +50°C  |
| relative humidity          | ≤ 95%RH, without condensation   |
| Color                      | pearl white   |
| Installation type          | screwed into the base   |
| Weight                     | about 125g (with base and battery)  |
| Outline dimension          | diameter 100.3mm<br>height: 51mm (including base)                                     |

JT-TR3106A  
Wireless Domestic Combustible  
Gas Detector



#### Technical Parameters

|  |  |
|--|--|
| Working Voltage                                | AC220V 50Hz  |
| Power Consumption                              | Normal monitoring status: ≤ 2.0W   |
| Alarm status                                   | ≤ 2.5W   |
| Output Modes                                   | DC 12V (pulse output, with a load capacity current ≤ 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  |
| Usage Environment Temperature:                 | -10°C to +55°C   |
| relative humidity                              | ≤ 95% RH, no condensation.   |
| Color  | White  |
| Dimensions                                     | 85mm × 85mm × 35mm (including base)  |
| Weight   | 145g   |

TX6934  
Handheld Programmer



#### Feature and Benefits

- The device adopts a hand-held structure, which is small in size and easy to carry
- Can read and write configuration information of LoRa front-end devices, assisting in the effective installation of front-end devices
- Black and white LCD display, adjustable screen backlight brightness, easy operation
- Automatic shutdown function, which increases battery life and reduces battery replacements times

#### Technical Specification

|                                  |  |
|----------------------------------|--|
| Power supply                     | 2 AA batteries (one 1.5V)  |
| Working current                  | <15mA  |
| Standby current                  | <1μA   |
| Wireless communication standard  | LoRa   |
| Wireless communication frequency | 470 ~ 510MHz   |
| Wireless transmission power      | <17dBm   |
| Maximum communication distance   | 1000m in open space  |
| Operating environment            | temperature -10°C ~ +55°C ,<br>relative humidity ≤ 95%RH,<br>no condensation |
| Size                             | 60mm×30mm×135mm  |

TX3231  
Wireless Relay Module



#### Feature and Benefits

- 24V power input design
- Built-in high performance microprocessor
- Increase transmission distance by wireless FosLink signal
- Directly configure the module by FosLink configuration software

#### Technical Specification

|   |   |
|---|---|
| Operating voltage   | DC15V~ DC26V  |
| Maximum current   | <250mA  |
| Indication and operation  |   |
| The module is provided with three status indicators and one reset key |   |
| The number of front-end equipment                                     | 200   |
| Wireless communication frequency                                      | 470 ~ 510MHz  |
| Wireless transmitting power   | 17dBm   |
| Maximum communication distance  | 1500m in open air   |
| Mounting type   | wall-mounted type   |
| Operating environment   | temperature -10°C ~ +42°C<br>relative humidity ≤ 95%RH<br>no condensation |
| Outline dimension   | 118mm×105mm×28mm<br>(excluding antenna)                                   |
| Housing color   | black   |
| Weight  | about 180g  |





# Automatic Water Cannon

The automatic water cannon comprehensively uses ultraviolet and infrared sensing technology. It can detect early fires in time and accurately locate the fire source to spray water to extinguish fires. It's suitable for airports, shopping malls, etc.,

## ZDMS0.6/55-TZ1505 Water Cannon 5L



### Feature and Benefits

- 360° horizontal rotation range
- Auto tracking and targeting
- Electrical control system
- Intelligent image monitoring
- Two types of water monitor: manual and auto
- Video transmission technology

### Technical Specification

|                         |  |
|-------------------------|--|
| Max. Protection Radius  | 30m  |
| Max. Jet Radius         | 34m  |
| Max/ Monitor Radius     | 40m  |
| Rated Flow              | 5L/s   |
| Weight                  | 6.8kg  |
| Dimension               | 352 x 221 x 353mm                            |
| Rated Pressure          | 0.6MPa                                       |
| Max. Operating Pressure | 0.8MPa                                       |
| Mounting Height         | 6~15m  |
| Voltage                 | DC12V  |
| Power Consumption       | Monitoring: 1W, Scanning: 40W                |
| Fire Response Time      | ≤30s   |
| Vertical rotation Angle | Elevation 30°, depression 90°(adjustable)    |
| Operating Temperature   | 4~55°C                                       |
| Relative Humidity       | ≤95%RH non-condensation                      |
| Communication           | RS485 (communication with field control box) |

## ZDMS0.6/10S-TZ1510 Water Cannon 10L



### Feature and Benefits

- 360° horizontal rotation range
- Auto tracking and targeting
- Electrical control system
- Intelligent image monitoring
- Two types of water monitor: manual and auto
- Video transmission technology

### Technical Specification

|                         |  |
|-------------------------|--|
| Max. Protection Radius  | 35m  |
| Max. Jet Radius         | 39m  |
| Max/ Monitor Radius     | 40m  |
| Rated Flow              | 10L/s  |
| Weight                  | 6.8kg  |
| Dimension               | 352 x 221 x 353mm                            |
| Rated Pressure          | 0.6MPa                                       |
| Max. Operating Pressure | 0.8MPa                                       |
| Mounting Height         | 6~15m  |
| Voltage                 | DC12V  |
| Power Consumption       | Monitoring: 1W, Scanning: 40W                |
| Fire Response Time      | ≤30s   |
| Vertical rotation Angle | Elevation 30°, depression 90°(adjustable)    |
| Operating Temperature   | 4~55°C                                       |
| Relative Humidity       | ≤95%RH non-condensation                      |
| Communication           | RS485 (communication with field control box) |

**ZDMS0.8/205-TZ1S20**  
**Water Cannon 20L**

**Feature and Benefits**

- 360° horizontal rotation range
- Auto tracking and targeting
- Electrical control system
- Intelligent image monitoring
- Two types of water monitor: manual and auto
- Video transmission technology

**Technical Specification**

|                         |  |
|-------------------------|--|
| Max. Protection Radius  | 50m  |
| Max. Jet Radius         | 56m  |
| Max/ Monitor Radius     | 80m  |
| Rated Flow              | 20L/s  |
| Weight                  | 18.4kg                                       |
| Dimension               | 595 x 340 x 330mm                            |
| Rated Pressure          | 0.8MPa                                       |
| Max. Operating Pressure | 1.0MPa                                       |
| Mounting Height         | 8~15m  |
| Voltage                 | DC24V  |
| Power Consumption       | Monitoring: 1W, Scanning: 50W                |
| Fire Response Time      | ≤60s   |
| Vertical rotation Angle | Elevation 30°, depression 85°(adjustable)    |
| Operating Temperature   | 4~55°C                                       |
| Relative Humidity       | ≤95%RH, non-condensation                     |
| Communication           | RS485 (communication with field control box) |

**ZDMS0.8/305-TZ1S30**  
**Water Cannon 30L**

**Feature and Benefits**

- 360° horizontal rotation range
- Auto tracking and targeting
- Electrical control system
- Intelligent image monitoring
- Two types of water monitor: manual and auto
- Video transmission technology

**Technical Specification**

|                         |  |
|-------------------------|--|
| Max. Protection Radius  | 55m  |
| Max. Jet Radius         | 62m  |
| Max/ Monitor Radius     | 80m  |
| Rated Flow              | 30L/s  |
| Weight                  | 20.6kg                                       |
| Dimension               | 595 x 340 x 330mm                            |
| Rated Pressure          | 0.8MPa                                       |
| Max. Operating Pressure | 1.0MPa                                       |
| Mounting Height         | 8~15m  |
| Voltage                 | DC24V  |
| Power Consumption       | Monitoring: 1W, Scanning: 50W                |
| Fire Response Time      | ≤60s   |
| Vertical rotation Angle | Elevation 30°, depression 85°(adjustable)    |
| Operating Temperature   | 4~55°C                                       |
| Relative Humidity       | ≤95%RH, non-condensation                     |
| Communication           | RS485 (communication with field control box) |

**TZ-JXH01**  
**Junction Box**

**Feature and Benefits**

- Power supply to water cannon and controls on/off valves
- Used together with ZDMS0.6/55-TZ1S05 and ZDMS0.6/105-TZ1S10 water cannons

**Technical Specification**

|                      |                                      |
|----------------------|--------------------------------------|
| Input voltage        | 220V                                 |
| Output voltage/power | DC12V/70W                            |
| Weight               | 1.02kg                               |
| Dimension            | 200 x 130 x 54mm                     |
| Communication method | RS485 (communicate with control box) |
| Working temperature  | 4°C-55°C                             |
| Relative humidity    | ≤95%RH, non-condensing               |

**TZ-JXH02E**  
**Junction Box**

**Feature and Benefits**

- Power supply to water cannon and controls on/off valves
- Used together with ZDMS0.8/205-TZ1S20 and ZDMS0.8/305-TZ1S30 water cannons

**Technical Specification**

|                      |                                      |
|----------------------|--------------------------------------|
| Input voltage        | 220V                                 |
| Output voltage/power | DC24V/70W                            |
| Weight               | 1.02kg                               |
| Dimension            | 200 x 130 x 54mm                     |
| Communication method | RS485 (communicate with control box) |
| Working temperature  | 4°C-55°C                             |
| Relative humidity    | ≤95%RH, non-condensing               |

**TZ-SKX01**  
**Field Control Box**

**Feature and Benefits**

- Control up to 8 water cannon devices
- 3 working states: manual, automatic and alarm
- RS-485 serial communication mode with water cannon and other equipment
- CAN serial communication with the centralized control device.

**Technical Specification**

|                     |                          |
|---------------------|--------------------------|
| Main Power Supply   | AC220V                   |
| Valve Power         | AC220V                   |
| Monitor Power       | 5W                       |
| Weight              | 2.5kg                    |
| Dimension           | 350 x 230 x 85mm         |
| Working Temperature | 0~55°C                   |
| Relative Humidity   | ≤95%RH, non-condensation |

ZSCFD1-P-50-16-B  
Solenoid Valve



#### Feature and Benefits

- Made of high-strength, corrosion-resistant materials
- Simple structure, small size, good sealing (zero leakage rate)
- Safe and reliable
- Easy installation and maintenance

#### Technical Specification

|                     |             |
|---------------------|-------------|
| Diameter            | DN50        |
| Opening Pressure    | ≤0.04Mpa    |
| Nominal Pressure    | ≥1.6Mpa     |
| Working Voltage     | AC220V 50HZ |
| Starting Power      | 200W        |
| Maintain Power      | 10W         |
| Working Temperature | 0~55℃       |

D971X-16Q-ADN80  
Electric Valve



#### Feature and Benefits

- Aluminum alloy die-casting shell, exquisite and smooth
- High strength, good wear resistance
- Safe and reliable
- Easy installation and maintenance

#### Technical Specification

|                          |         |
|--------------------------|---------|
| Action Time (0-90°)      | 5s      |
| Power Supply             | DC24V   |
| Output Torque            | 50Nm    |
| Ball Valve Diameter      | DN15-40 |
| Butterfly Valve Diameter | DN80    |

ZDMS0.6/5S-TZ1S05A/  
ZDMS0.6/10S-TZ1S10A(Hanging)  
Water Cannon



#### Technical Parameters

The amount of jetted and filled water for water monitor is concentrated, with accurate fire extinguishing, and good result of fire extinguishing at early stage.

Video transmission technology in fire control room can be used, in combination with field image to make manually remote control.

Water monitor has two types, manual and auto.

Water monitor with water flow 20L/s and above has column jetting and mist jetting.

Water monitor can start in auto state to look for fire source.

Water monitor (only for water monitors with water flow 5L/s and 10L/S) address can be set by 4-bit toggle switch, and the maximum address is 15.

TZ-JXH03  
Power Junction Box



#### Technical Parameters

Provide DC12V/DC24V power supply for water monitors, AC220V power supply or solenoid valve, DC24V power supply for electrically operated valve.

Provide water monitor warning and RS-485 communication interface.

Power supply has functions of overload and short circuit protection.

TZ-JKP03/TZ-JKP04  
Centralized control unit



#### Technical Parameters

Each central control device can control 99 sets of TZ-SKX01 field control boxes at most. Each TZ-SKX01 field control box can control 8 small monitors at most (5L/S and 10L/S water monitors) or one water monitor (20L/S and 30L/S water monitors).

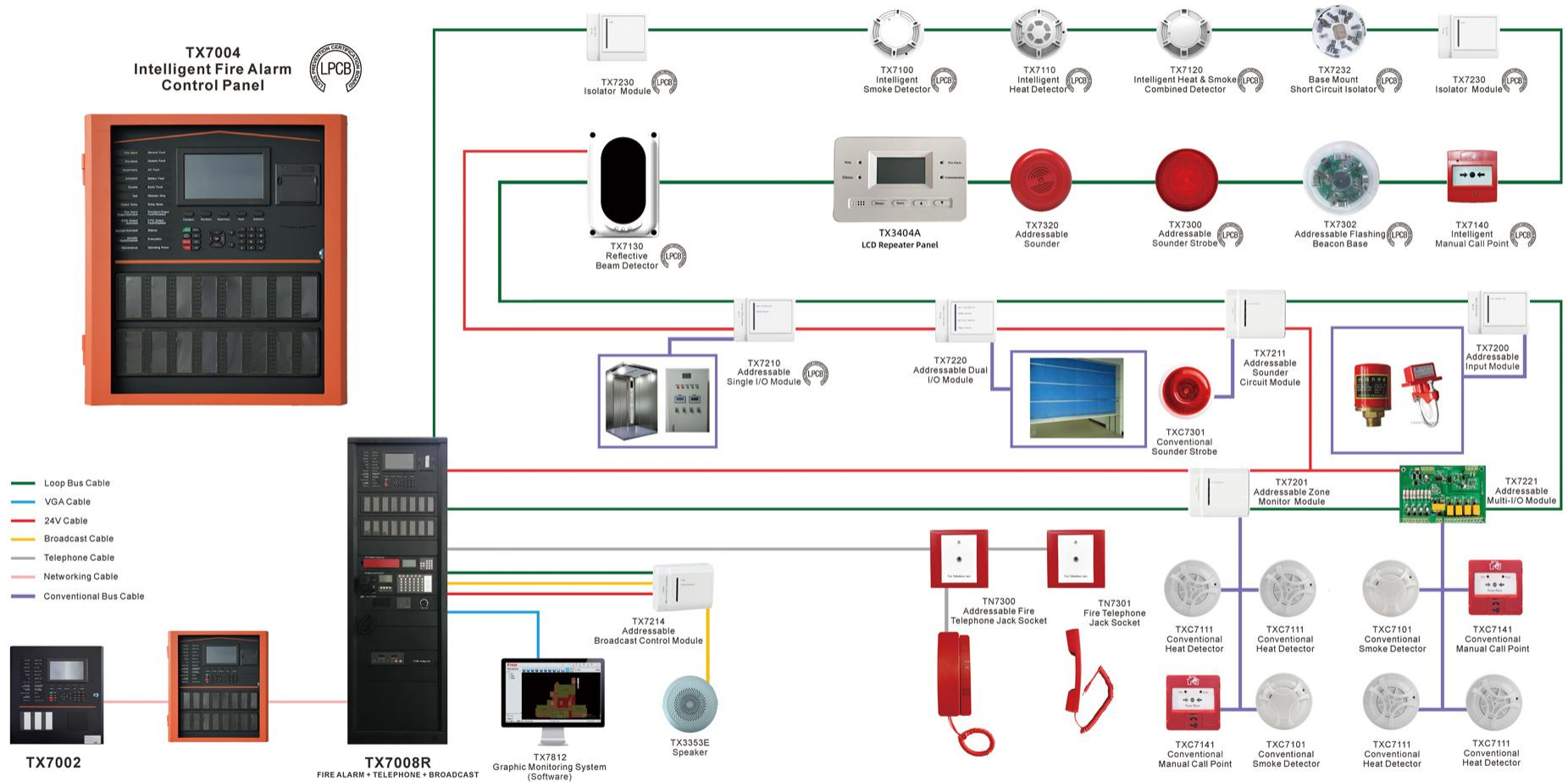
CAN bus communication type is used to communicate with field control box.

Provided with real-time clock, work record and information printing functions. The maximum number of records is 10000.

Input and output module can be used to monitor various equipment states and control conditions.

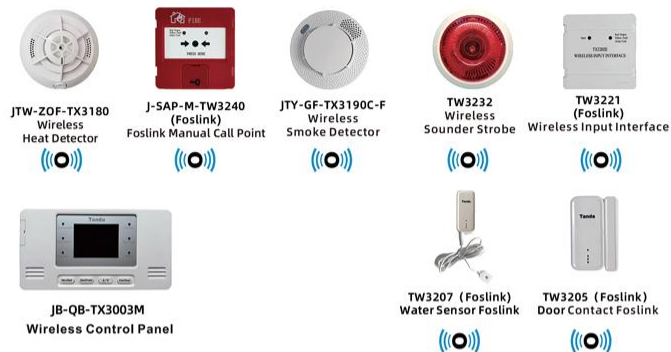


## TX7 Intelligent Fire Alarm Control Panel (LPCB Approved)

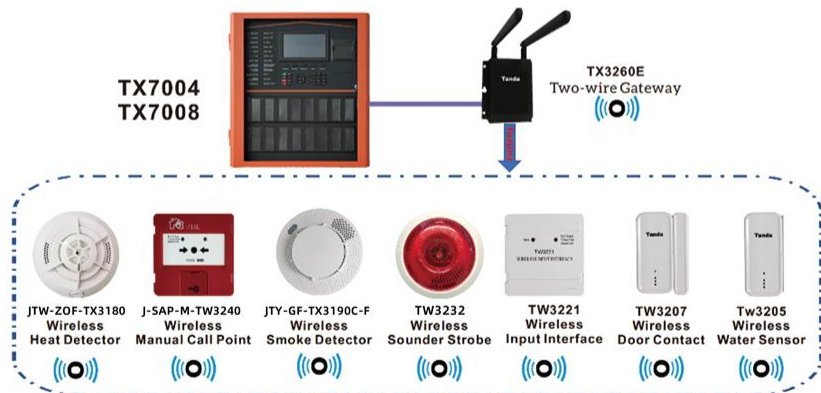


## EN 54 Standard Fire Alarm System

## JB-QB-TX3003M Wireless Fire Alarm System



## Wireless Home Security System



## TXC7 Conventional Fire Alarm System

