*Creating a safe environment **WITHOUT** fire disasters*



PRODUCT CATALOG

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tna TECHNOLOGY

WHO WE ARE?

TANDA is a leading company in the security and safety industry. The latest research and development is empowering the building technology sector via addressable, conventional, wireless fire alarm systems and products etc. TNA has over 390 product patents and has served more than 600,000 projects globally. Tanda Development provides a full range of platforms + products + solutions + services to secure cities and communities which are suitable for domestic, commercial and industrial projects. TNA has a world-wide sales network (UK, Dubai, Malaysia, Vietnam, China,etc), and more than 100 service outlets.

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APPROVALS
LPCB / EC-CPR





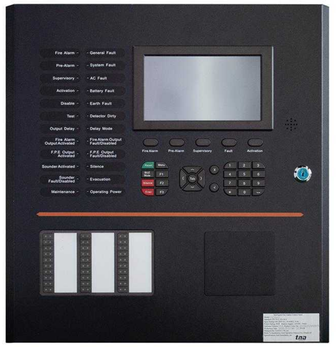


TX7 Series Intelligent Fire Alarm System

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 512 Node
- 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 (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 1.5mm²solid core Fire resistance
Panel Input/outputs	
Relays	2 circuits: Normally Open/Close
Fixed Outputs (Sounder)	1Circuits: 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℃~+40℃
Humidity	0 to 95% RH, Non condensing

TX7004
Intelligent Fire Alarm Control Panel



LPCB EN54-2&EN54-4 1330h/01 CE 2831-CPR-F2013 17

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-1Multiple 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 Node
- 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 (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℃-+40℃
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

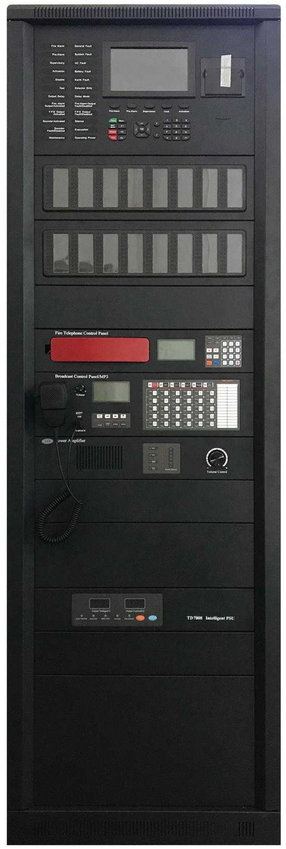
Technical Specification

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	6，8 Loop
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℃~+40℃
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	4，6，8 Loop
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℃~+40℃
Humidity	0 to 95% Relative Humidity, Non condensing

Accessories of TNA TX7 Series Intelligent Panels

Model	Picture	Product	Function Description	Compatible
NC7004		Network & Communication Card	4-in-1 communication card, USB port, Ethernet Port, RS485/232 serial connection, CanBus network connection	TX7002 TX7004
LC7004		Loop Card	Dual loop card for TX7004-1/TX7004-2, capacity of 508 devices	TX7002 TX7004
NC7004-Modbus		ModBus Communication Card	ModBus card, 4-in-1 communication card, USB port, Ethernet Port, RS485/232 serial connection,	TX7002 TX7004
NC7004-IP		IP Network Card	TCP/IP Network card, 4-in-1 communication card, USB port, Ethernet Port, RS485/232 serial connection,	TX7002 TX7004
NC7008 NC7008-IP NC7008-Modbus		Network Card	NC7008 for CanBus Network Connection, NC7008-IP for TCP-IP Network, NC7008-Modbus for Modbus Protocol	TX7008 TX7008R
LC7008		Loop Card	Dual loop card for TX7008-6/ TX7008/TX7008R-6/TX7008R, capacity of 508 devices	TX7008 TX7008R
TX3251		IoT transfer module	Transfer TX7 panel and other brand panel information to IoT Cloud， RS232 and RS485 port available	TX7002 TX7004 TX7008 TX7008R
MC201		Fiber Optic Interface Module	Required NC7004 network card to configure to the TX7004 and TX7002 series	TX7002 TX7004 TX7008 TX7008R
TX7814		Dongle for TX7	USB Dongle access control of TX7 panel series	TX7002 TX7004 TX7008 TX7008R
TX7940		Printer	Thermo micro printer	TX7002

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 x28 mm
Humidity	0 to 95% RH, Non condensing

TX7330
LCD Repeater Panel



Feature and Benefits
- EN54-2:1997+A1： 2006
- Fire display passive repeater panel
- Built-in MCU processor and digital addressing
- Fast response of audible and visible signal from the panel
- Direct access common keys such as MUTE, UP, DOWN and BROWSE.
- Programmable Zone Display such as All Zone, Single Zone and Three Adjacent Zone
- LED status indicator
- Onsite Adjustable Parameter
- Loop sited wiring with external 24V supply
- Compact size and aesthetically pleasing design
- Surface mounting with fix base for simple installation

Technical Specification

Input Voltage	Loop Power: 24VDC [16V to 28V] External PSU: 24VDC [20 to 28V]
Current Consumption	Loop Standby:1mA, Alarm: 1.2mA External PSU Standby:25mA, Alarm: 80mA
Display	LCD
Number per loop	Up to 254 units (ideal)
Material / Colour	ABS / White Glossy finishing
Dimension / LWH	180 x 110 x44 mm
Weight	300g (with Base), 256g (without Base)
Operating Temperature	0℃to+40℃
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] External PSU:24VDC [20 to 28V]
Current Consumption	Loop Standby: 1mA, Alarm: 1.2mA External PSU Standby: 25mA, Alarm: 80mA
Number per loop	Up to 254 units (ideal)
Operating Temperature	0℃ to+40℃
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] 50/60Hz, 132.5W(TX24-5A) 50/60Hz, 265W (TX24-10A)
Secondary Power	24VDC/12AH (Recommended sealed lead acid battery)
Output power	120W; 24VDC/5 A (TX24-5A) 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℃to +40℃
Humidity	0 to 95% RH, Non condensing

TX7100
Intelligent Smoke Detector



EN54-7 2831-CPR-F1702
1330b/01 22

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



EN54-5 2831-CPR-F1704
1330c/01 22

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℃ to+50℃
Humidity	0 to 95% RH, Non condensing

TX7120
Intelligent
Multi-sensor Fire Detector



EN54-29: 2015 2831-CPR-F4850
1330j/01

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℃ to+50℃
Humidity	0 to 95% RH, Non condensing

TX7140
Addressable Manual Call Point



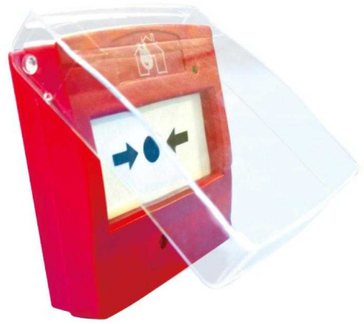
EN54-11 2831-CPR-F1900
1330g/01 17

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℃ to +55℃
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℃ to+50℃
Humidity	0 to 95% RH, Non condensing

TX7232
Base Mount Short Circuit Isolator



EN54-17 2831-CPR-F2710
1330f/02 20

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

TX7302
Addressable Sounder Base



EN54-3 2831-CPR-F2709
1330d/02 20

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	Standby≤ 0.8mA, Alarm: ≤5mA[Loop powered]
Protocol/Addressing	T&A, Value range from 1 to 254
Addressing Mode	Single Mode: Alarm tone Dual Mode 1: 1st Alarm/2nd warning Dual Mode 2: 1st Warning / 2nd Alarm
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 Single address: Alarm Tone Dual address:1st Warning / 2nd Alarm
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℃ to+55℃
Humidity	0 to 95% RH, Non condensing

TX7130
Conventional Reflective Beam Detector



EN54-12 2831-CPR-F1301
1330a/01 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 programing 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 Alarm:33mA
Beam Sensor Sensitivity	Level 1: 2.6 dB High Sensitivity Level 2: 3.8 dB Medium Sensitivity 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℃ to +50℃
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] External PSU: 20 to 28VDC
Current Consumption	Loop Standby: 1.3mA, Alarm: 5mA 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 to254
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 2831-CPR-F1830
1330e/01 17

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] External PSU:20 to28VDC
Current Consumption	Loop Standby: 0.6mA, Alarm:1.6mA 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] External PSU:20 to 28VDC
Current Consumption	Loop Standby: 0.6mA, Alarm: 2.6mA 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℃-+50℃
Ingress Protection Rating	IP30
Humidity	0 to 95℃ RH, Non condensing

TX7230
Analogue Addressable Isolator Module



EN54-17 2831-CPR-F1831
1330f/01 17

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

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] Power:24VDC[20VDC-28VDC]
Current Consumption	Loop: Standby： 1.5mA, Alarm: 10mA 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 x38 mm
Weight	154g (with Base), 83g (without Base)
Humidity	0 to 95% RH, Non condensing

TX7990
Mounting Box for Module

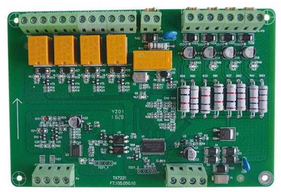


Feature and Benefits
- Optional accessory for TNA TX7 series modules
- Surface mounting back box

Technical Specification

Dimension /LWH	107 x 87 x 40mm

TX7221
Multichannel I/O Module

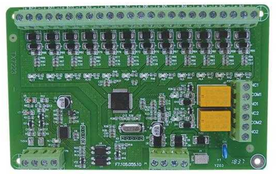


Feature and Benefits
- A non polar bus of two wire
- Four input detection ports, four contact output ports, one active output port.
- The input ports have the function of line fault detection
- Software and hardware filter technology is used to improve the anti-interference ability of the module

Technical Specification

Current Consumption	Bus monitoring current: ≤1.5mA, 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℃ to+50℃
Humidity	0 to 95% RH, Non condensing

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, 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℃ to+50℃
Humidity	0 to 95% RH, Non condensing

TX7300
Addressable Sounder Strobe



EN54-3 2831-CPR-F1829
1330d/01 17

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	LPCB / CE-CPR
Input Voltage	Loop Power: 24VDC [18V to 27.5V] External PSU: 24 VDC [20V to 27.5V]
Typical Current [Loop and External PSU]	Loop Standby: 0.6mA, Alarm: 1.5mA External PSU Standby: 0.6mA, Alarm:15mA
Saving Current	Standby: 1.2mA, Alarm: 9mA[Loop powered]
Protocol/Addressing	T&A, Value range from 1 to 254
Single Address	Evacuate Tone
Dual Address	1st Alert Tone / 2nd Evacuate tone
Sound Level Pressure	102 dB(A) at 1 meter/ tone 14
Strobe Light	10 Highlights LED
Material / Colour	ABS / RED Glossy finishing
Dimension / Height	Diameter 110 mm / 39.6mm (with Base)
Weight	176g (with Base), 110g (Without Base)
Class	Type A, Indoors ,
Operating Temperature	-10℃ to+50℃
Ingress Protection Rating	IP21
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

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Technical Specification

Input Voltage	Loop Power: 24VDC [18V to 27.5V] External PSU: 24VDC[20V to 27.5v]
Typical Current [Loop andExternal PSU]	Loop Standby: 0.6mA,Alarm:1.5mA External PSU Standby: 0.6mA, Alarm: 12mA
Saving Current	Standby: 1.2mA, Alarm: 7mA[Loop powered]
Protocol/Addressing	T&A, Value range from 1 to 254
Single Address	Evacuate Tone
Dual Address	1st Alert Tone / 2nd Evacuate tone
Sound Level Pressure	102 dB(A) at 1 meter/ tone 14
Material / Colour	ABS / RED Glossy finishing
Dimension/ Height	Diameter 110 mm / 39.6 (with Base)
Weight	180g (with Base), 114g (Without Base)
Class	Type A, Indoors ,
Operating Temperature	-10℃ to+50℃
Ingress Protection Rating	IP21
Humidity	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	Loop Power: 24VDC [18V to 27.5V] External PSU: 24 VDC [20V to 27.5V]
Typical Current [Loop and External PSU]	Loop Standby: 0.7mA, Alarm: 1.5mA External PSU Standby: 0.6mA, Alarm:22mA
Saving Current	Standby: 1.2mA, Alarm: 9mA[Loop powered]
Protocol/Addressing	T&A, Value range from 1 to 254
Single Address	Evacuate Tone
Dual Address	1st Alert Tone / 2nd Evacuate tone
Sound Level Pressure	102dB(A) at 1 meter
Strobe Light	10 Highlights LED
Material / Colour	ABS / RED Glossy finishing
Dimension / LWH	152.5 x 88.5 x 46.75 mm (without base)
Weight	184g (with Base), 124g (Without Base)
Class	Type A, Indoors ,
Operating Temperature	-10℃ to+50℃
Ingress Protection Rating	IP21
Humidity	0 to 95% RH, 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 128×64 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
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] External PSU: 20 to 28VDC
Current Consumption	Loop Standby: 0.6mA, Alarm:2.1mA 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 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℃ to +50℃
Humidity	0 to 95% RH, Non condensing

TX3353E
Speaker



Technical Specification

Input Voltage	120V
Rated Power	5W
Rated Frequency	150HZ~8000HZ
Sensitivity Level	9OdB+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 128×64 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 Talk Current≤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 X56.7 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	Current≤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 X39.5 MM
Weight	600g
Operating Temperature	-10°C-+40 °C
Humidity	0 to 95% RH, Non condensing

TN7300
Addressable Fire Telephone Jack Socket



Feature and Benefits
- GB16806-2006 Complance
- 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 Talk Current≤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 X56.3 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 Complance
- 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	Current≤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 & DET 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.,

CFP-600L
Conventional Fire Alarm Control Panel



Feature and Benefits
- Optional 4/8/12/16 zones conventional fire alarm control panels
- 2 Monitored Sounder Outputs
- 1 Monitored Fire Alarm Output
- 1 Fire Relay Output
- 1 Fault Relay Output
- 1 Resettable 24v Output
- 1 Aux 24v Output
- Delay Timer for day/night operation
- Zone Test Mode
- One Man Walk Test
- Key-Switch Protection
- CAN output for Repeater

Technical Specification

Main Power Supply	220VAC, 50/60HZ
Input current	1.5A
Minimum Operating Voltage	22V
Maximum Charging Current	500mA
Maximum Charging Voltage	30V
Battery Type	Sealed lead-acid battery
Maximum battery charging Capacity	2 batteries, 12v/7Ah
Maximum internal resistance of battery	1Ω
Maximum operating current	2.5A
Max current for each output	0.5A
End of line resister	4.7kΩ (For All Zone and Monitored Output Circuits)

DET-C631
Conventional SmokeDetector



EN54-7
1148b/01

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
- Built in remote LED indicator terminal

Technical Specification

Approvals	LPCB
Normal Rated Voltage	24VDC
Operating Voltage	9.6VDC to 30VDC
Quiescent Current	≤65uA
Alarm Current	18 to 22mA(Typical 20mA)
Dimension/Height	Diameter100/ 48mm (without base)
Ingress Protection	IP42
Operating Temperature	-10℃ to+50℃
Operating Humidity	95%RH, Non Condensing @40℃

DET-C632
Conventional Heat Detector



EN54-5
1148a/01

Feature and Benefits
- Low power consumption, user friendly
- Fast response to variation of ambient temperature
- Enhanced capacity of interference resistance by multi-level wave fitle ring process
- Fully sealed PCB board
- Built in remote LED indicator terminal

Technical Specification

Approvals	LPCB
Normal Rated Voltage	24VDC
Operating Voltage	9.6VDC to 30VDC
Quiescent Current	≤35uA
Alarm Current	18 to 22mA(Typical 20mA)
Dimension/Height	Diameter 100 mm / 44mm (without base)
Ingress Protection	IP42
Operating Temperature	-10℃ to+50℃
Operating Humidity	95%RH, Non Condensing @40℃

DB-6
Detector Base



Feature and Benefits
- 4 terminal, support remote indicator
- Designed for DET-C631 and DET-C632

Technical Specification

Dimension/Height	Diameter 100 mm / 8mm
Operating Temperature	-10℃ to+50℃
Humidity	0 to 95% RH, Non condensing

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 vertical spacing 215mm
IP Class	IP30
Operating Environment	0℃~+40℃
Relative Humidity	≤95% Non condensing

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 Alarming: Red, always on Mal-function: off or flashes irregularly
Operating Environment	-10℃~+50℃
Relative Humidity	≤95% Non condensing
Color	White
Weight	100g (including base)

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 Alarming: Red, always on Mal-function: off or flashes irregularly
Operating Environment	-10℃~+50℃
Relative Humidity	≤95% Non condensing
Color	White
Weight	85g

TXC7987
Detector Base



Feature and Benefits
•Designed for TXC7101/TXC7111 detectors
•Non-electroniccomponent

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℃~55℃
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℃~55℃
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)



Hybrid Home Security System

(wireless + wired)

Dual connectivity (wired and wireless) to improve and extend the monitoring area for small and medium size projects. Wireless systems are used for homes, villas, shops, motel, banks and also for historical building to preserve the originality.

TX3001AME
Wireless Mini Fire Alarm Control Panel



Feature and Benefits
- Two bus communication function
- Fire telephone dialing function
- Lora wireless communication function
- 24V, 220V two power supply versions
- Windowed, English characters menu interface

Technical Specification

Input Voltage	220VAC (187V ~ 242V)/DC24V (18V ~ 28V)
Current	Monitoring: <500mA Working: <1500mA
Capacity	16 Wired devices and 16 Wireless devices
Screen	2.8-inch TFT LCD screen
Material/Color	ABS/White
Dimension	194.0mm×104.0mm×29.5mm
Operating Temperature	0℃ to 40℃
Protection Rating	IP30
Humidity	0 to 95% RH, Non condensing

TX3190AE
Wireless/Standalone 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 Alarm: <40mA
Communication Frequency	Lora
Protection area	60m²-100m²
Color	White
Material	PP material
Dimension/Height	Diameter: 111 mm, Height: 69 mm (including base)
Weight	225.6g (including the battery)
Temperature	-10℃~+55℃
Humidity	0 to 95% RH, Non condensing

TX3141E
Wireless Manual Call Point



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

Technical Specification

Input Voltage	DC3V (2 x 1.5VFR14505/AA battery)
Current Consumption	Standby: < 40uA Alarm: <30mA
Communication Frequency	Lora
Communication Distance	Max 100m
Color	Red
Dimension/LWH	87.0 x 85.0 x 30.0mm(With Base)
Weight	113g (With Battery)
Temperature	-10℃~+55℃
Humidity	0 to 95% RH, Non condensing

TX3180E
Wireless Heat Detector



Feature and Benefits
- Built-In buzzer in detector
- Support Lora wireless communication technology for extra saving on cable cost
- 360-degree visual indicator
- Fixed and Rate of Rise Analogue sensor and digital communication
- Aesthetically pleasing design

Technical Specification

Input Voltage	3VDC (2 x 1.5VFR14505/AA battery)
Current Consumption	Standby: < 40uA Alarm: < 40mA
Heat Class Type	AR
Communication Frequency	Lora
Communication Distance	Max 100m
Color	White
Dimension/Height	Diameter 100.3mm/51.0mm(With Base)
Weight	125g(With Battery)
Temperature	-10℃~+55℃
Humidity	0 to 95% RH, Non condensing

TX3202E-W
Wireless Input 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 Alarm: < 5mA
Communication Frequency	Lora
Communication Distance	Max300m
Indicator Status	Normal:Greenlightsingleblinkevery75s Fault: Yellow light single blink every 50s Alarm: Red light keepon
Color	Oyster white
Dimension/LWH	87.0 x 85.0 x 28.0mm(With Base)
Weight	149g (With Battery)
Temperature	-10℃~+55℃
Humidity	0 to 95% RH, Non condensing

TX3309E
Wireless Sounder Strobe



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
- Ceiling or wall mount installation

Technical Specification

Input Voltage	DC3V (2 x 1.5VFR14505/AA battery)
Current Consumption	Standby：< 40uA Alarm：< 30mA
Communication Frequency	Loar
Communication Distance	Max 100m
Sound Level Pressure	75dB~100dB at 3meter
Color	Red
Dimension/Height	Diameter 100.3mm/34.0mm (With Base)
Weight	145g (With Battery)
Temperature	-10℃~+55℃
Humidity	0 to 95% Humidity, Non condensing

TR3106AE
Standalone Gas Detector



Feature and Benefits
- With sound and light alarm function
- Sensor failure and life automatic detection
- Historical data recording and reading function
- Wall-mounted installation, easy to install and easy to use

Technical Specification

Input Voltage	AC220V 50Hz
Current Consumption	Monitoring status： ≤2.0W Alarm status： < 2.5mA
Detection gas	Methane
Range	0~20%LEL
Alarm setpoint	10%LEL
Sensor service life	5 years
Power on warm-up time	20 minutes
Temperature	-10℃ ~ +55℃
Relative humidity	≤95%RH, non-condensing
Color	White
Dimension	85mm×85mm×35mm (including base)
Weight	145g



Aspirating Smoke Detection

The aspirating smoke detector can detect smoke before it is visible to the naked eye. It is suitable for environments where a highly sensitive rapid smoke detection capability is required, like electronic rooms, datat center, airports, etc,.

ASD-102-000
Aspirating Smoke Detector



Feature and Benefits

- Extremely High Sensibility
- Extremely High Accuracy without False Alarm
- Large Protected Areas for Each Main Unit
- Multiple Level Alarm Function
- Multiple Quick Settings
- Parameter customization function
- Historical alarm query function
- Event recording function

Technical Specification

Input Voltage	18V~30Vdc， Rated Working Voltage 24Vdc
Detection Area / Unit	Up to 50m²
Sensibility Range	0.001 - 28%(obs/m)
Channels	Single Channel
Number of Partitions	Single Partition
Max. Sapling Pipe Length	1*10m
Max. Sampling Channel	1 Piece
Sampling Aperture	4.0mm
Max. Event Recording	30000
Dimension/LxHxW	192 x 138 x 78mm
Gross Weight	<1.25kg
Working Temperature	-20°C-+55 °C
Humidity	5% to 95% RH, Non condensing
IP Class	IP40

ASD-180-DP0
Aspirating Smoke Detector



Feature and Benefits

- 5 inch touch screen
- Extremely High Sensibility
- Extremely High Accuracy without False Alarm
- Large Protected Areas for Each Main Unit
- Multiple Level Alarm Function
- Multiple Quick Settings
- Parameter customization function
- Historical alarm query function
- Event recording function

Technical Specification

Input Voltage	DC24V(±20%)
Detection Area / Unit	Up to 500m²
Sensibility Range	0.001 - 28%(obs/m)
Channels	Single Channel
Number of Partitions	Single Partition
Max. Sampling Pipe Length	1*80m
Max. Sampling Points	26
Max. Event Recording	30000
Dimension/LxHxW	282 x 280x 115mm
Gross Weight	3.9kg
Working Temperature	-20°C-+55°C
Humidity	5% to 95% RH, Non condensing
IP Class	IP40

ASD-2C0-DP0
ASD-2C0-DPP
Aspirating Smoke Detector



Feature and Benefits
- 5 inch touch screen
- Extremely High Sensibility
- Extremely High Accuracy without False Alarm
- Large Protected Areas for Each Main Unit
- Multiple Level Alarm Function
- Multiple Quick Settings
- Parameter customization function
- Historical alarm query function
- Event recording function

Technical Specification

Input Voltage	DC24V(±20%)
Detection Area / Unit	Up to 1200m²
Sensibility Range	0.001 - 28%(obs/m)
Channels	2 Channels
Number of Partitions	Single Partition (ASD-2C0-DP0) 2 Partitions (ASD-2C0-DPP)
Max. Sampling Pipe Length	2*120m
Max. Sampling Points	2*26
Max. Event Recording	30000
Dimension/LHW	330 x 230x 110mm
Gross Weight	5.2kg
Working Temperature	-20°C-+55°C
Humidity	5% to 95% RH, Non condensing
IP Class	IP40

ASD-480-DP0
ASD-480-DPP
Aspirating Smoke Detector



Feature and Benefits
- 7 inch touch screen
- Extremely High Sensibility
- Extremely High Accuracy without False Alarm
- Large Protected Areas for Each Main Unit
- Multiple Level Alarm Function
- Multiple Quick Settings
- Parameter customization function
- Historical alarm query function
- Event recording function

Technical Specification

Input Voltage	DC24V(±20%)
Detection Area / Unit	Up to 2000m²
Sensibility Range	0.001 - 28%(obs/m)
Channels	4 Channels
Number of Partitions	Single Partition (ASD-480-DP0) 4 Partitions (ASD-480-DPP)
Max. Sampling Pipe Length	1*100m or 4*80m
Max. Sampling Points	4*26
Max. Event Recording	30000
Dimension/LHW	384 x 274x 116mm
Gross Weight	7.2kg
Working Temperature	-20°C-+55°C
Humidity	5% to 95% RH, Non condensing
IP Class	IP40

JTY-GXM-TX3X21E
JTY-GXM-TX3X41E
JTY-GXM-TX3X44E
Aspirating Smoke Detector



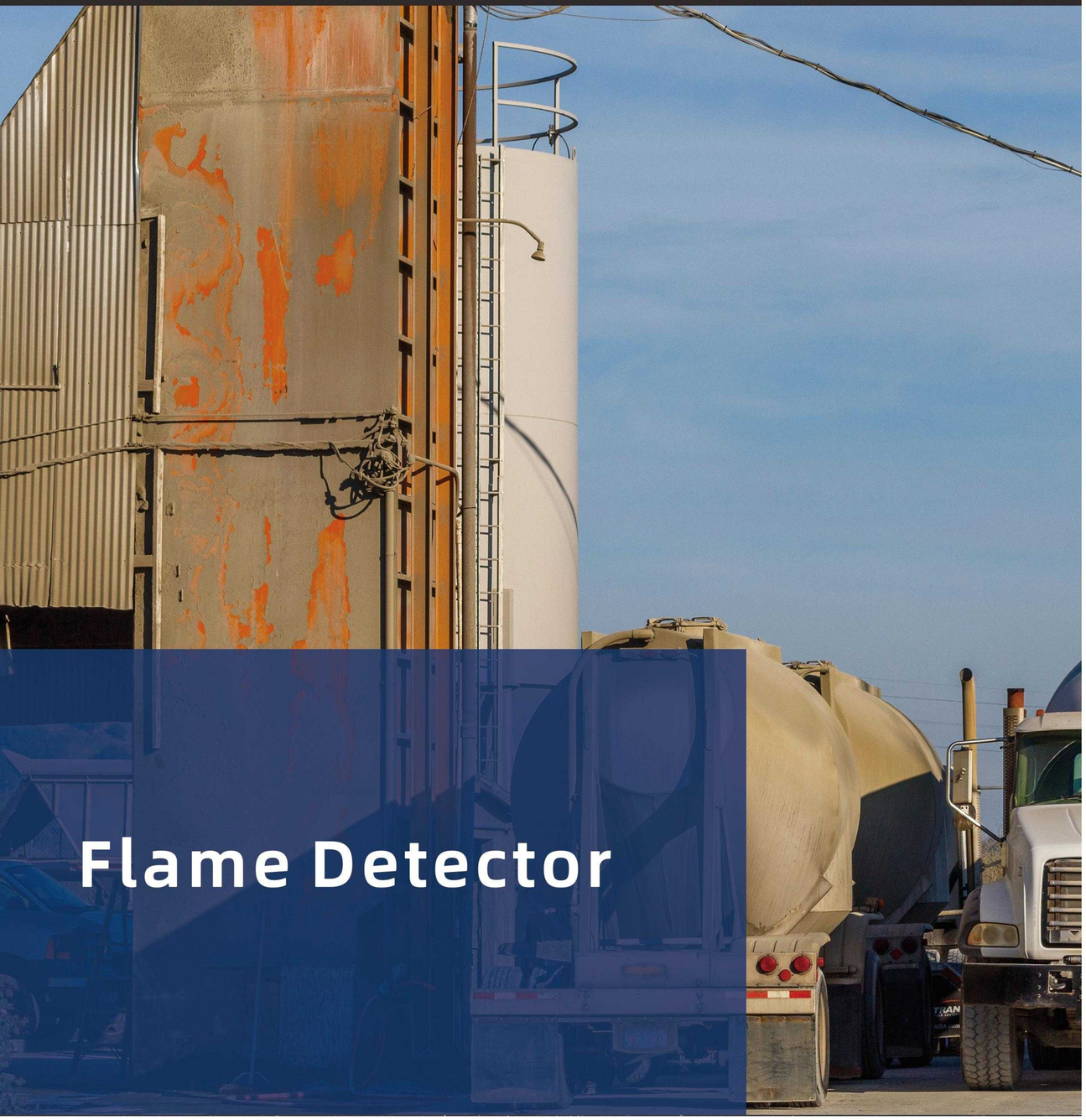
Feature and Benefits
- Extremely High Sensibility
- Extremely High Accuracy without False Alarm
- Large Protected Areas for Each Main Unit
- Multiple Level Alarm Function
- Multiple Quick Settings
- Historical alarm query function
- Event recording function

Technical Specification

Input Voltage	DC24V (20V—28V)
Detection Area / Unit	JTY-GXM-TX3X21E: 1000m² JTY-GXM-TX3X41E: 2000m² JTY-GXM-TX3X44E: 2000m²
Sensibility Range	0.005 - 20%(obs/m)
Channels	JTY-GXM-TX3X21E: 2 JTY-GXM-TX3X41E: 4 JTY-GXM-TX3X44E: 4
Number of Partitions	JTY-GXM-TX3X21E: 1 JTY-GXM-TX3X41E: 1 JTY-GXM-TX3X44E: 4
Max. Sampling Pipe Length	100m
Max. Sampling Points	21 each pipe
Max. Event Recording	30000
Dimension/LHW	326 x 232x 135mm
Working Temperature	-10°C-+55°C
Humidity	5% to 95% RH, Non condensing

Accessories of Aspirating Smoke Detetors

Model	Picture	Product	Function Description
ASD-C		Pipe cleaning accessories	The pipe cleaning accessories are used to help clean the pipe.
ASD-S		Sampling pipe network	Sampling pipe network is used for aspirating the sample air from the protected areas.
ASD-F		External filter	The external filter is used to prevent the dust from entering into the machine which affects the its sensitivity.



Flame Detector

A flame detector is a type of sensor that can detect and respond to the presence of a flame. It have the ability to identify smokeless liquid and smoke that can create open fire. It can be used in gas tanker station, power plants, etc,.

JTGB-UF-YJLH101Ex
IR Flame Detector



Feature and Benefits

- Explosion proof
- Good environmental adaptability
- High sensitivity
- Quick response
- Long detection distance
- Prevent false alarm

Technical Specification

Operating Voltage	DC 24±5V
Monitoring Current	25mA±3mA
Alarm Current	35mA±5mA
Sensitivity	Response at 1m~40m. (flame height is 0.1m~1.3m, shaking)
Monitoring Range	directly face the detector, cone of sight is about 90°
Operating Temperature	-40℃~85℃
Humidity	≤98%(45±2)
Outgoing Line Interface	4"(φ20mm) nut, explosion proof hose
Weight	0.7kg
Outline Dimension	φ 60×170(mm)
Protection Level	IP66



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 airpots, shopping malls, etc,.

WCB-05
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℃
Relative Humidity	≤95%RH non-condensation
Communication	RS485 (communication with field control box)

WCB-10
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℃
Relative Humidity	≤95%RH non-condensation
Communication	RS485 (communication with field control box)

WCR-20-H
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℃
Relative Humidity	≤95%RH, non-condensation
Communication	RS485 (communication with field control box)

WCR-30-H
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℃
Relative Humidity	≤95%RH, non-condensation
Communication	RS485 (communication with field control box)

TZ-JXH01E
Junction Box



Feature and Benefits
•Power supply to water cannon and controls on/off valves
•Used together with WCB-05 and WCB-10 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℃-55℃
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 WCB-20 and WCB-30 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℃-55℃
Relative humidity	≤95%RH, non-condensing

TZ-SKX01E
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℃
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
Mantain 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

TANDA

TX7 Intelligent Fire Alarm Control Panel (LPCB Approved)

TX7004
Intelligent Fire Alarm Control Panel



TX7230
Isolator Module

TX7100
Intelligent
Smoke Detector

TX7110
Intelligent
Heat Detector

TX7120
Intelligent Heat & Smoke
Combined Detector

TX7232
Base Mount
Short Circuit Isolator

TX7230
Isolator Module

TX7130
Reflective
Beam Detector

TX7330
LCD Repeater Panel

TX7320
Addressable
Sounder

TX7300
Addressable
Sounder Strobe

TX7302
Addressable Flashing
Beacon Base

TX7140
Intelligent
Manual Call Point

TX7210
Addressable
Single I/O Module

TX7220
Addressable Dual
I/O Module

TX7211
Addressable
Sounder
Circuit Module

TX7200
Addressable
Input Module

TXC7301
Conventional
Sounder Strobe

FD-101Ex
Infrared Flame
Detector

TX7201
Addressable Zone
Monitor Module

TX7221
Addressable
Multi-I/O Module

Loop Bus Cable
VGA Cable
24V Cable
Broadcast Cable
Telephone Cable
Networking Cable
Conventional Bus Cable

TX7214
Addressable
Broadcast Control Module

TN7300
Addressable Fire
Telephone Jack Socket

TN7301
Fire Telephone
Jack Socket

TXC7111
Conventional
Heat Detector

400-003
Conventional
Gas Detector

TXC7101
Conventional
Smoke Detector

TXC7141
Conventional
Manual Call Point

TX7002

TX7008R
FIRE ALARM + TELEPHONE + BROADCAST

TX7812
Graphic Monitoring System
(Software)

TX3353E
Speaker

TXC7141
Conventional
Manual Call Point

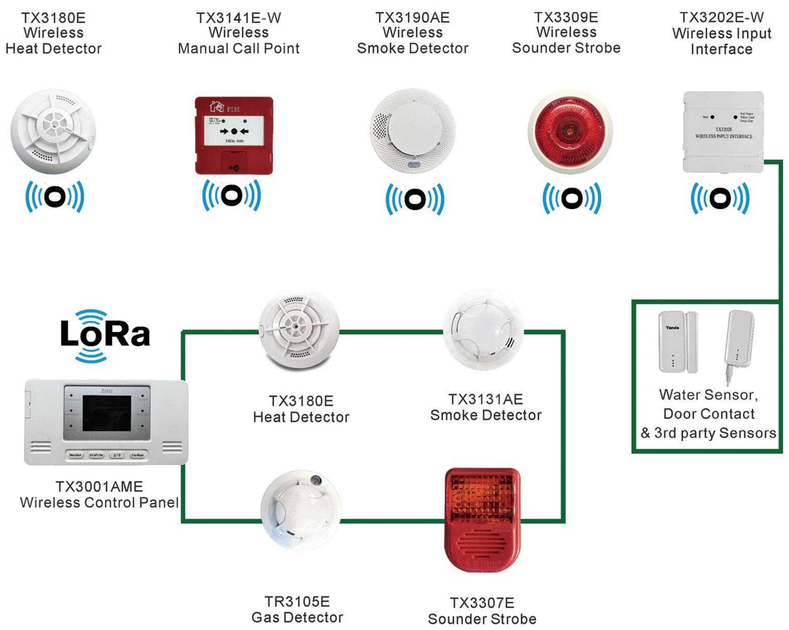
TXC7101
Conventional
Smoke Detector

TXC7111
Conventional
Heat Detector

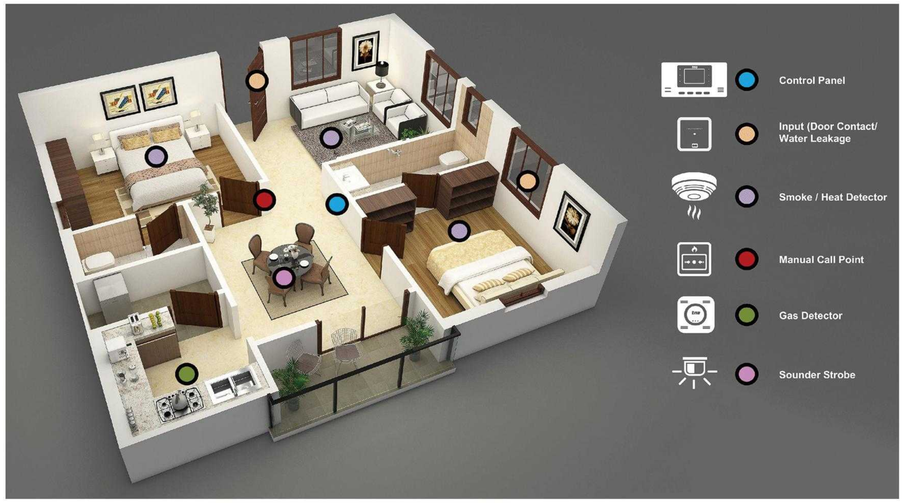
TXC7301
Conventional
Sounder Strobe

EN 54 Standard Fire Alarm System

TX3001AME Wireless Fire Alarm System



HYBRID HOME SECURITY SYSTEM (WIRED & WIRELESS)



TXC7 Conventional Fire Alarm System

