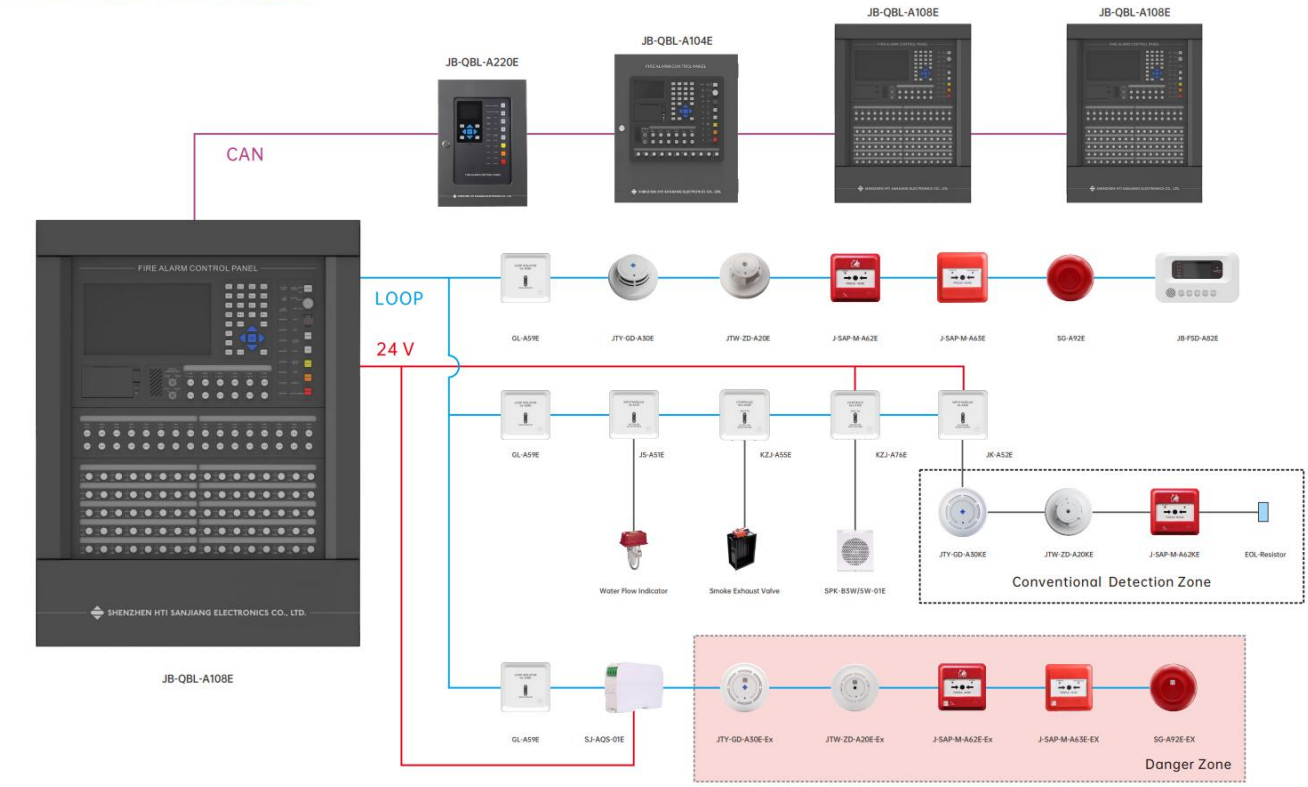
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1. Composition diagram of automatic fire alarm system



2. Requirements for wires

2.1 Signal two bus

- ZR-RVS-2*1.5mm² copper core flame retardant polyvinyl chloride insulated twisted pair flexible wire or ZN-RVS-2*1.5mm² copper core flame retardant refractory polyvinyl chloride insulated twisted pair flexible wire.
- Outdoor ZR-RVVS-2*2.5mm² copper core flame retardant PVC insulated and sheathed stranded flexible cable or ZN-RVVS-2*2.5mm² copper core flame retardant refractory PVC insulated and sheathed stranded flexible cable.

2.2 DC24V Power Cord

- The plane layer is made of NH-BV-2*1.5mm² copper core refractory PVC insulated wire.
- NH-BV-2*2.5mm² copper core refractory PVC insulated wire is used for the main line in the indoor unit building.
- NH-KVV-2*6mm² copper core refractory PVC insulated polyvinyl chloride sheathed control cables are recommended for outdoor power mains and indoor bridge mains.
- The line current load capacity and line voltage drop should be considered to ensure that the line end voltage is greater than the minimum operating voltage of the electrical equipment.

2.3 Multi-line linkage control line

- NH-KVV-2*1.5mm² copper core refractory PVC insulated PVC sheathed control cable.

2.4 Host network cable

- ZR-RVS-2*1.5mm² copper core flame retardant polyvinyl chloride insulated twisted pair flexible wire or ZN-RVS-2*1.5mm² copper core flame retardant refractory polyvinyl chloride insulated twisted pair flexible wire.
- Outdoor ZR-RVVS-2*1.5mm² copper core flame retardant PVC insulated twisted shielded flexible cable or ZN-RVVS-2*1.5mm² copper core flame retardant refractory PVC insulated twisted shielded flexible cable.

2.5 Wiring principle

- The signal cable is a two-wire system with tree-shaped wiring, but it should not have too many branches, and the transmission distance is less than 1500m.
- The alarm host network adopts CAN bus, which requires sequential link and is not suitable for tree

routing.

- The transmission distance of fire broadcasting line and fire telephone line should not exceed 1000m.
- Fire broadcast cable and fire telephone cable should be routed separately.

3. Construction precautions

3.1 Fire alarm control panel：JB-QBL-A104E,JB-QBL-A108E,JB-QBL-A220E

- The Panel shall be installed in accordance with the requirements of GB 50116-2013《Code for Design of Automatic Fire Alarm System》and GB 50166-2019 《Standard for Construction and Acceptance of Automatic Fire Alarm System》
- The loop adopts ZR-RVS-2× 1.5mm ² copper core flame retardant PVC insulated twisted-type flexible wire. Other input/output ports are protected by NH-BV-2 x 1.5 mm² copper core refractory PVC insulated wires through metal pipes, flexible (metal) electrical conduits, steel plastic pipes above B1 level, or closed cable troughs. Cables of different voltage levels should not be routed into the same protective tube. When the same slot is used, the cable troughs should be separated by partitions.
- The height of the main display should be 1.5m to 1.8m, the side distance from the wall near the door shaft should not be less than 0.5m, and the front operation distance should not be less than 1.2m, and the controller should be firmly installed and not tilted. When installing the controller on a light wall, reinforcement measures should be taken. The heat dissipation holes (and sound output holes) on the side of the controller chassis must be free of barriers.
- The bottom edge of the controller should be 0.1-0.2m above the ground (floor), the side distance from the wall near the door shaft should not be less than 0.5m, and the front operating distance should not be less than 1.2m.
- The cables or wires leading into the controller should meet the following requirements: The wiring should be neat, should not cross, and should be fixed firmly; The cable core wire and the end of the conductor should be numbered and consistent with the drawing. The writing should be clear and not fade. Each terminal of the terminal board shall have no more than 2 wires. Cable core and wire, should leave a margin of not less than 200 mm; The wires should be bundled into bundles, and the pipes and grooves should be blocked after the wires are routed through the pipes and grooves.

JB-QBL-A220、JB-QBL-A104、JB-QBL-A108

- When installing multiple strands of cables, ensure that the strands are twisted together to prevent forks and short connections to adjacent terminals, which may cause unexpected faults or damage. For polar connections, be sure to note the polarity instructions.
- Do not install or remove power cables with power on. Transient contact between the core of a power cable and the conductor generates electric arcs or sparks, which may cause fire or personal injury.
- Check the condition of the bus connected to this controller, measure the insulation resistance between the bus L+ and L-, and the load condition of the loop. The insulation resistance should be greater than 20MΩ, and the total impedance of the short-circuit circuit at the end of the long wire should be less than 40Ω.
- Connect external devices or cables to the input and output terminals of the system controller. For the definition of each terminal. Ensure that the terminals are in good contact.
- The main power supply of the controller should have a clear permanent sign, and should be directly connected with the fire power supply, and the use of the power plug is strictly prohibited. The controller should be directly connected to the external backup power supply.
- The controller should be firmly grounded and clearly marked with permanent signs. If the AC input terminal is not properly grounded, use the grounding terminal provided on the chassis bottom to make the system properly grounded. The ground resistance to the system must be less than or equal to 4Ω.

3.2 Fire display panel:JB-FSD-A82E

- Fire display panel should be installed in accordance with GB 50116-2013《Code for Design of Automatic Fire Alarm System》and GB 50166-2019《Standard for Construction and Acceptance of Automatic Fire Alarm System》;
- Signal bus 2 adopts ZR-RVS-2×1.5 mm² copper core flame retardant PVC insulated twisted-type flexible wire, through the metal pipe, flexible (metal) electrical conduit, B1 grade or above steel plastic pipe or closed cable trough protection, different voltage levels of cables should not be inserted into the same protection tube, when the same line slot, the cable trough should be separated by a partition.
- The bottom edge of the fire display panel should be 1.3m to 1.5m from the ground, the side of the

panel near the door shaft should be no less than 0.5m from the wall, and the front operation distance should be no less than 1.2m, and the panel should be firmly installed without tilting. Reinforcement measures should be taken when it is installed on a light wall.

- A special supporting base is required for the installation of the fire display panel, which is installed in a wall-mounted embedded 86-box mode. The external cable can be directly connected to the terminal behind the fire display panel, but the cable must be drawn out of the 86 box about 15 cm long for easy wiring.

3.3 Detectors、Manual call points、Modules、Sounder Visual Indicators Series

- The equipment shall be installed in accordance with GB 50116-2013《Code for Design of Automatic Fire Alarm System》and GB 50166-2019《Standard for Construction and Acceptance of Automatic Fire Alarm System》;
- Signal cables use ZR-RVS-2×1.5 mm² copper core flame retardant PVC insulated twisted-type soft wires, through metal pipes, flexible (metal) electrical conduits, B1 or above steel plastic pipes or closed cable trough protection, different voltage levels of cables should not be inserted into the same protection tube, when the same slot, the cable trough should be separated by a partition.

JTY-GD-A30E、JTY-GD-A30KE、JTW-ZD-A20E、JTW-ZD-A20KE、JTF-GDM-936E Detectors

- The connecting wire of the detector base shall have a margin of not less than 150 mm and shall be clearly marked at its end;
- The base of the detector should be firmly installed, and the connection with the wire must be reliably crimped or welded. When welding, corrosive flux should not be used
- Detector alarm confirmation light should be in the direction of the main entrance for easy observation, pay attention to the horizontal distance of the detector to the wall and beam side, should not be less than 0.5m, and the horizontal distance around 0.5m, there should be no shelter.
- The detector can be installed only before commissioning. Before commissioning, keep it properly and take measures against dust, moisture and corrosion.
- Align the detector indicator light with the base indicator light pattern, and then tighten it in a clockwise direction.

- Wear gloves when installing the detector to keep the detector cover clean. Do not remove the protective cover that comes with the detector early to avoid contamination of the detector;
- When the detectors are connected to the intelligent automatic fire alarm control system through the input module, the number of cascades should be less than 25, and a 4.7K load resistor is connected in parallel to the signal line of the end detector.
- In the same bus loop, the detector cannot use the same address as other devices to avoid address conflict.
- During the alarm test, it is not allowed to use an open flame (such as a lighter, etc.) to warm the temperature sensing device, so as not to damage the detector. It is recommended to use special test equipment or heating equipment such as hot air duct for analog alarm test.
- When the JTW-ZD-A20E detector is tested separately, a current limiting resistor of 3K should be connected in series in the test loop. It is not allowed to connect DC 24V directly to the detector, otherwise the alarm test will cause the detector to be damaged.

J-SAP-M-A62E、J-SAP-M-A62KE、J-SAP-M-A63E Manual call point

- The manual fire alarm button should be installed in an obvious and easy to operate part, and the fire hydrant button should be installed in the fire hydrant box or the wall beside it. When installed on a wall, the bottom edge should be 1.3m to 1.5m from the ground, and two M4 screws should be used to fix the bottom edge.
- The connection wire of the manual fire alarm button and fire hydrant button should have a margin of not less than 150 mm, and there should be a clear sign at its end
- After the device starts, you need to use special tools to reset the device. Collect the special tools after the system debugging is normal.
- Manual fire alarm button, fire hydrant button should be installed firmly, should not tilt.
- When the J-SAP-M-A62KE manual fire alarm button is connected to the intelligent automatic fire alarm control system through the input module, a 4.7K load resistor is connected in parallel to the signal line of the end manual fire alarm button.

JS-A51E、JK-A52E、KZJ-A55E、KZJ-A76E Modules；GL-A59E Short Circuit Isolator

- The equipment connection wire should leave a margin of not less than 150 mm；
- The modules in each alarm area should be relatively concentrated in the metal module box in the alarm area; The modules (or metal boxes) should be independently supported or secured, securely installed, and protected against moisture and corrosion；
- Modules in this alarm area should not control devices in other alarm areas；
- The module must not be installed in the power distribution (control) cabinet (box）；
- There should be a sign with a size of not less than 100mm×100mm near the module that is not centrally set;
- Confirm whether the external device connected to the module belongs to the feedback type or the fire alarm type, and set the corresponding type of the device type of the module in the controller. During automatic login, the input module defaults to the fire alarm type;
- In the same loop, two or more products are not allowed to have the same address, otherwise the system will report a double code fault.

（1）JS-A51E Input Module

- The load access end of JS-A51E module can only access the switching contact signal equipment, such as water flow indicator, pressure switch, etc. Non-switching devices cannot be connected, such as JTY-GD-A30KE, JTW-ZD-A20KE and J-SAP-M-A62KE.
- The load access end of JS-A51 module cannot be connected to 24V power supply, otherwise the module will be damaged.

（2）JS-A52E Input Module

- The JK-A52E module can connect up to 25 detectors in parallel, but only one detector can alarm at the same time. If multiple detectors alarm at the same time, the detector will not display the alarm status correctly due to the insufficient brightness of the detector indicator light.

（3）KZJ-A55E Input/Output Module

- OUT+ and OUT- terminals do not connect to the DC24 V power supply; otherwise, the device may be damaged.

（4）KZJ-A76E Input/Output Module

- When the DC level of the broadcast sound source is superimposed, and the fire broadcast speaker has no built-in straight separation capacitor, the fire broadcast speaker should be connected to the

common terminal of the module through a 1uF/400V non-polar capacitor.

- When the KZJ-A76E module is used for external power supply (DC24V), the maximum power supply current is less than 50mA. Note that the maximum operating current of external devices should be within this range. At the same time, pay attention to measuring the actual working voltage to avoid voltage reduction due to bus voltage fluctuation or actual wiring voltage drop, which may cause the equipment to work abnormally.

（5）GL-A59E Short Circuit Isolator

- Supports cascading up to three short circuit isolators.
- When there is a slight short circuit in the bus line, the short circuit isolator does not necessarily operate, because the short circuit isolator only operates when the load current exceeds the set value, so the short circuit isolator does not operate to indicate that there is no slight short circuit in the bus.

SG-A92E Sounder Visual Indicator

- Note the description of the terminals when installing cables;
- In same alarm loop,each product do not allow to have same address;
- Note that there should be no objects in front of the sounder visual indicator that can block the flashing light and block the sound;
- The sounder visual indicator can be set to different working states of sounder and visual, sounder, and visual to the application scenario. For details, see the instructions;
- The fire sounder visual indicator should be installed evenly in the alarm area, the installation should be firm and reliable, and the surface should not be damaged. It should be installed in an obvious place near the safety exit, 2.2 m above the ground. The visual alarm and fire emergency evacuation sign should not be on the same wall, and the distance should be greater than 1 m when installed on the same wall;

4、Fire Alarm Control Panel、Fire Indicating Panel Series

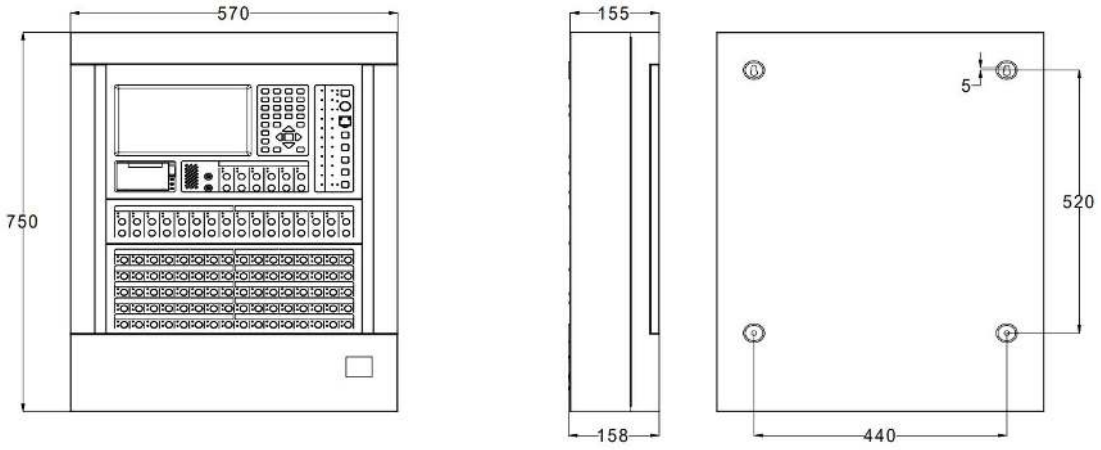
4.1 JB-QBL-A108E Addressable Fire Alarm Control Panel

Technical parameters :

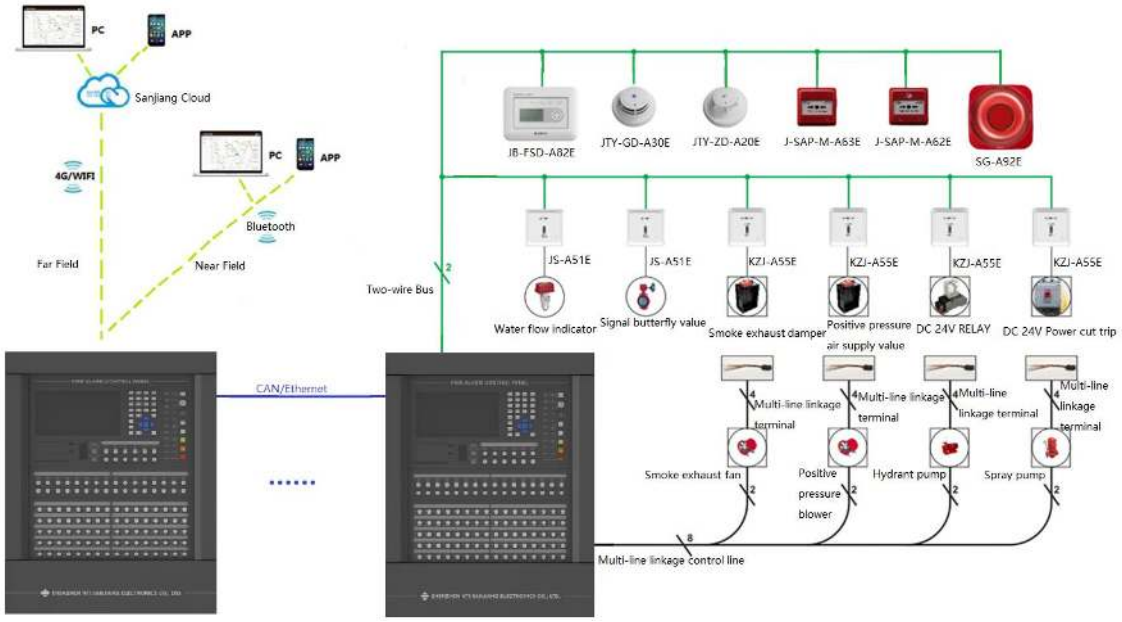


- Mains supply：AC 220V/50Hz（187V~242V）；Max current:4A
- Stand-by Power source：DC24V maintenance-free battery BAT12V/7Ah×2
- Operating conditions：indoor：0 ℃～+40℃； humidity：≤95%（40℃±2 ℃，no condensation）
- Maximum loop:8, 324 device address capacity per loop
- Followed standard：GB 4717-2005 "Fire Alarm Control Panel"、GB 16806-2006 "Fire Linkage Control Panel"
- Two-Bus manual control button：80 points (standard configuration)
- Multi-line manual control point：22 points (standard configuration)
- Loop length：≤2000m
- Networking mode：CAN Protocol、Ethernet Protocol
- Approx. Dimensions of the panel (W×H×D):570 mm×750 mm×155 mm
- Housing material：A3 Steel
- Installation method : wall-mounted

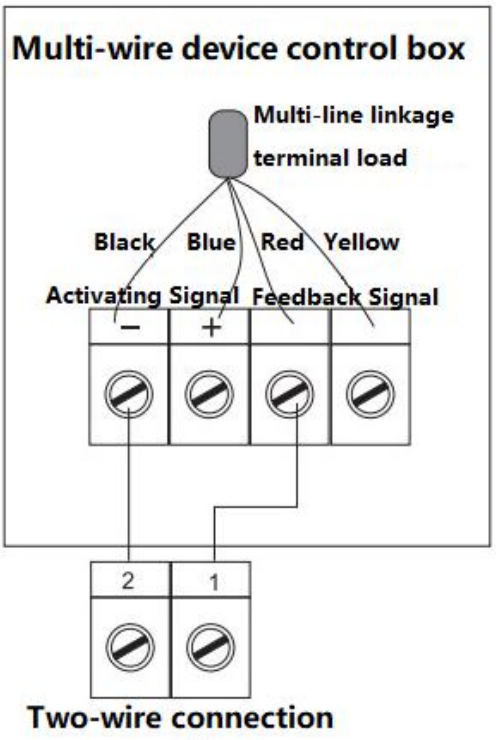
Appearance and dimensions（Unit：mm）



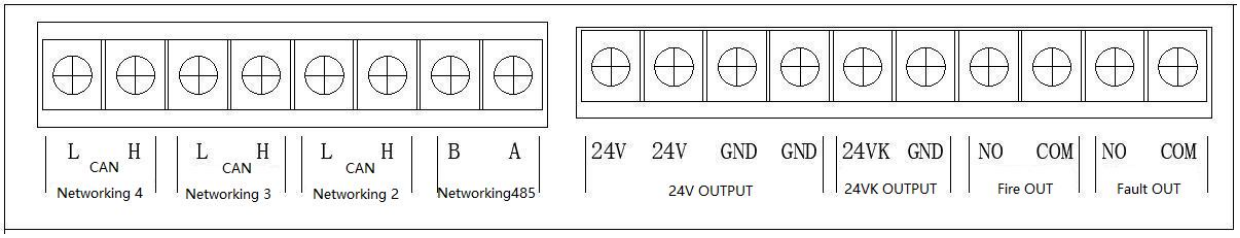
System wiring diagram :



Wiring diagram of multi-wire linkage unit :



Terminal description:



Identification	Description
24V	24V Power output
24VK	Controllable power supply DC24V output terminal
Fire OUT：COM、NO	Fire alarm passive output terminal, short circuit between COM and NO when reporting fire
Fault OUT：COM、NO	The fault output terminal is short circuit between COM and NO when the fault is reported
Networking 485：A/B	Network RS485 signal output terminal
CAN Networking 2：H/L	Network CAN signal output terminal
CAN Networking 3：H/L	Reserved interface
CAN Networking 4：H/L	

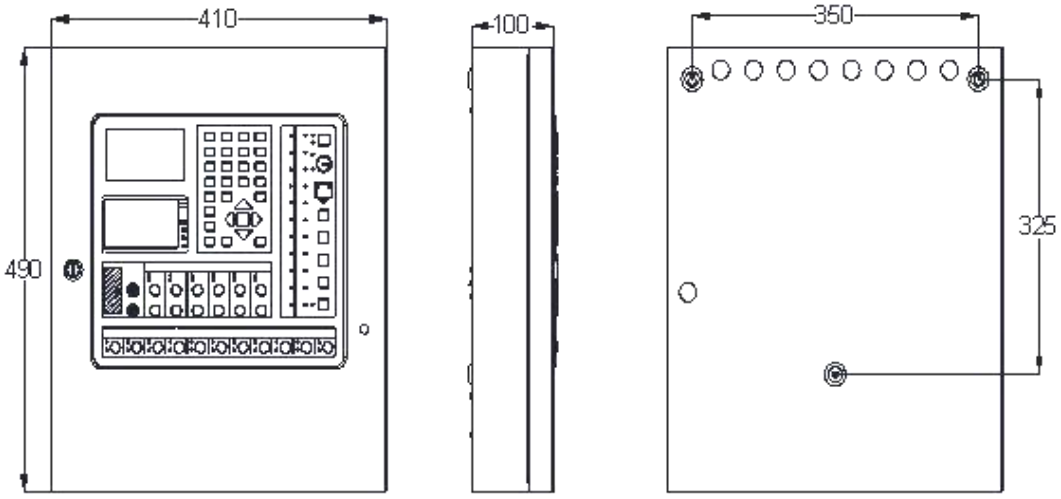
4.2 JB-QBL-A104E Addressable Fire Alarm Control Panel

Technical parameters :



- Mains supply：AC 220V/50Hz（187V~242V）；Max current:4A
- Stand-by Power source：DC24V maintenance-free battery BAT12V/7Ah×2
- Operating conditions：environment temperature：0 ℃～+40℃；humidity：≤95%（40℃±2 ℃，no condensation）
- Up to 648 addresses for two loops or 1296 addresses for 4 loops,324 device address capacity per loop.
- Two-Bus manual control button：11 points (standard configuration)
- Multi-line manual control point：6 points (standard configuration)
- Loop length：≤2000m
- Networking mode：CAN Protocol、Ethernet Protocol
- Approx. Dimensions of the panel (W×H×D):410 mm×100 mm×490 mm
- Housing material：A3 Steel
- Installation method : wall-mounted

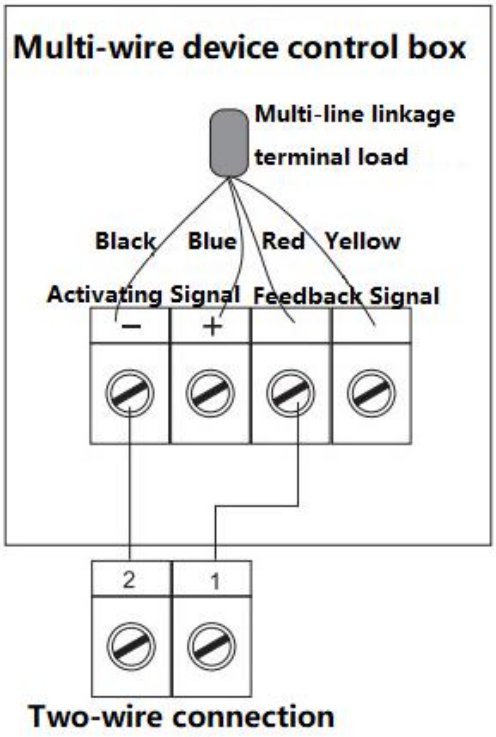
Appearance and dimensions（Unit：mm）



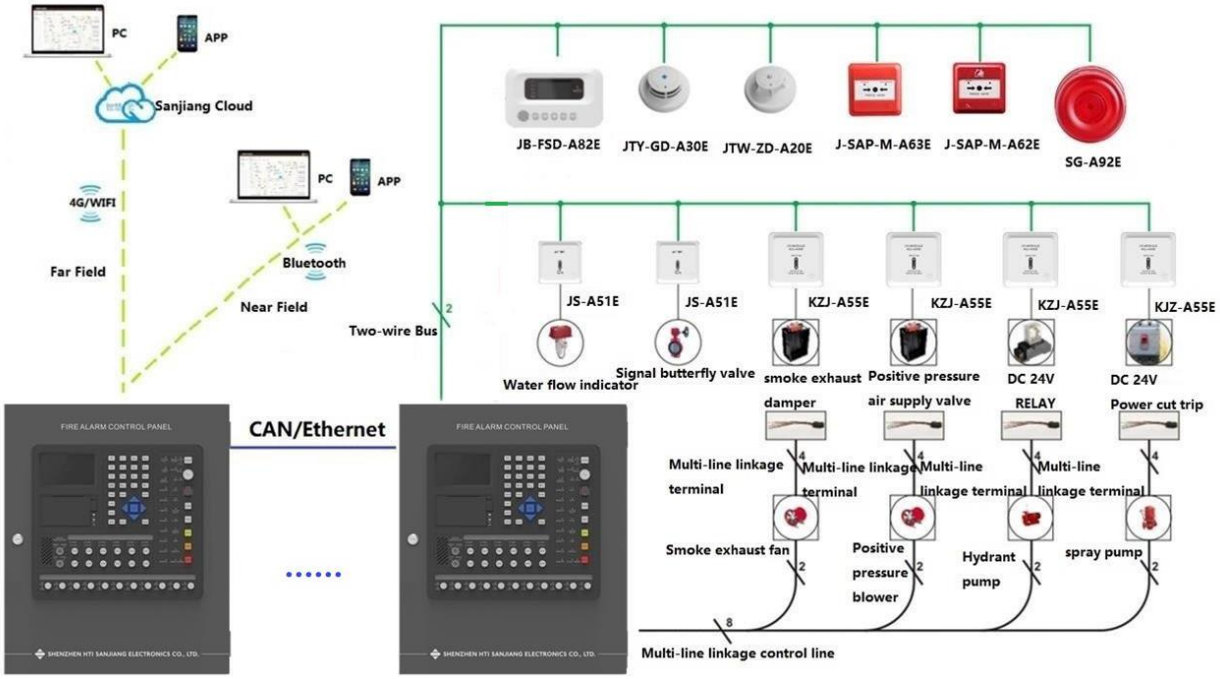
Terminal description:

Identification	Description
485A、485B	Network RS485 signal output terminal
CANH、CANL	Network CAN signal output terminal
L+、L-	Two-bus communication output terminal, communication with the terminal device, no polarity
Fault OUT:COM、NO	The fault output terminal is short circuit between COM-NO when the fault is reported
24V、GND	24V Power supply output
24VK、GND	Controllable power supply DC24V output terminal
Fire OUT:NO、NC、COM	COM-NC normally closed output terminal，COM-NO normal open output terminal

Wiring diagram of multi-wire linkage unit :



System wiring diagram :



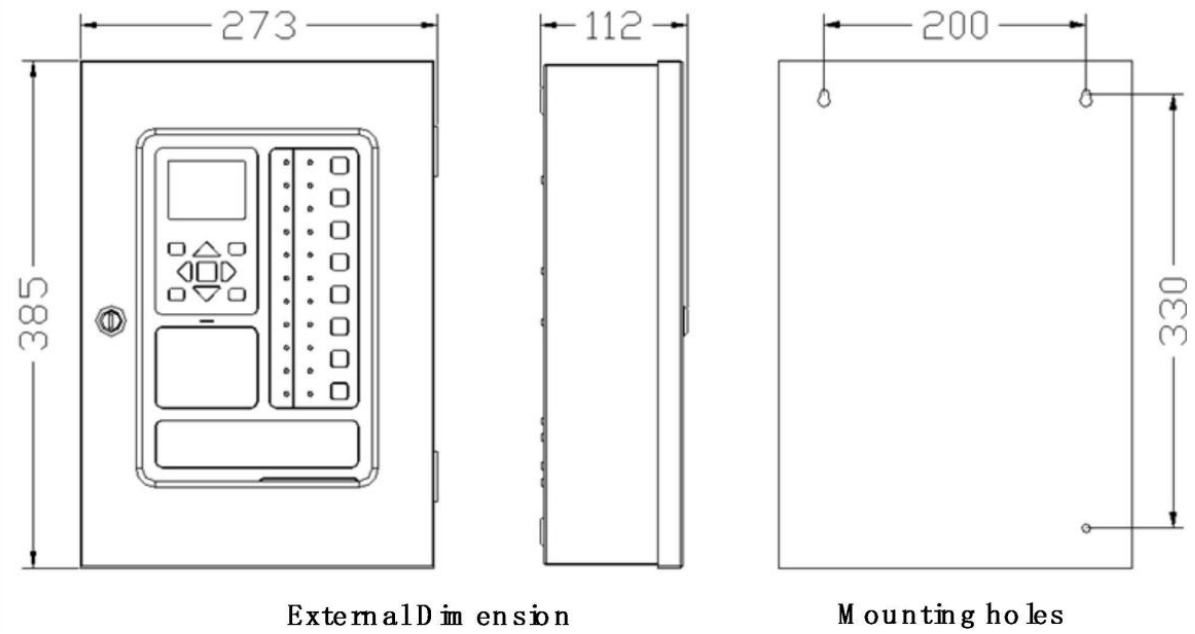
4.3 JB-QBL-A220E Addressable Fire Alarm Control Panel

Technical parameters :

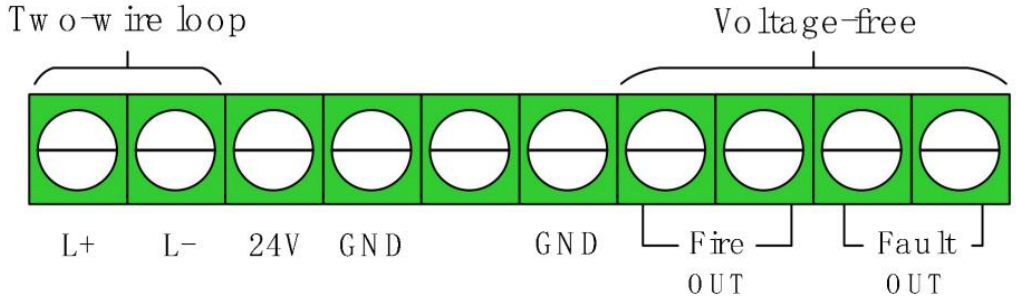


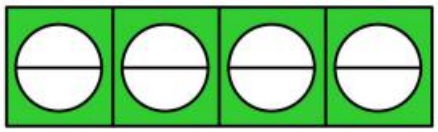
- Mains supply：AC 220V/50Hz（187V~242V）；Max current:1A
- Stand-by Power source：DC24V maintenance-free battery BAT12V/2.8Ah
- Operating conditions：environment temperature：0 ℃～+40℃；humidity：≤95%（40℃±2 ℃，no condensation）
- Single loop,up to 200 points
- Loop length：≤2000m
- Networking mode：CAN Protocol、Ethernet Protocol
- Approx. Dimensions of the panel (W×H×D):385 mm×273 mm×112mm
- Installation method : wall-mounted

Appearance and dimensions（Unit：mm）



Terminal description:

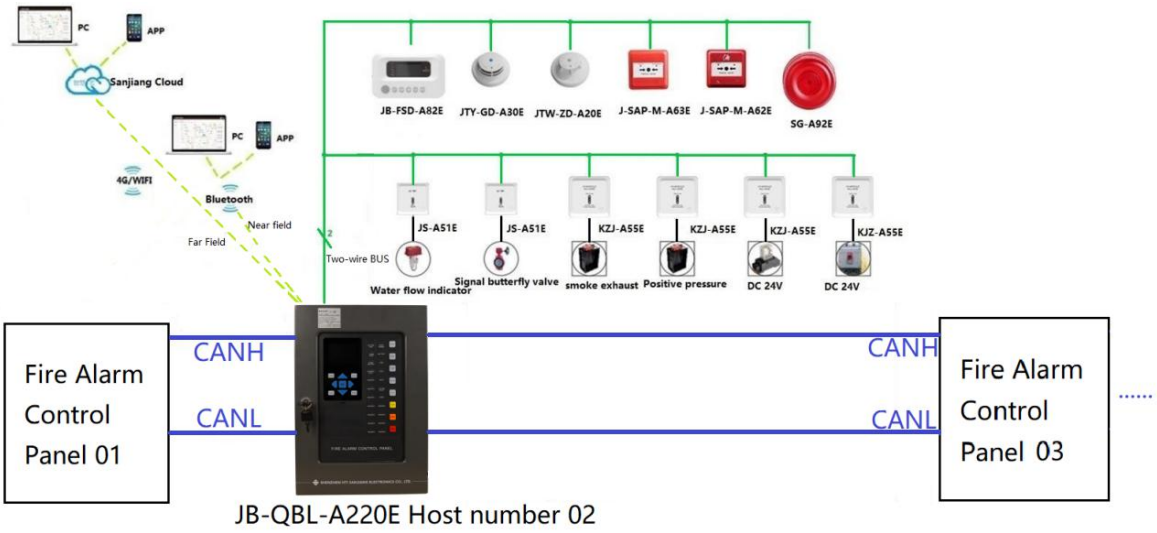




Wiring diagram of multi-wire linkage unit :

Identification	Description
L+、L-	Two-bus communication output terminal, communication with the terminal device, no polarity
Fault OUT	Fault output terminal; the silkscreen on the board corresponds to the output state when there is no event, see the following
24V、GND	24V Power supply output to external 24V devices, polarized (max. operating current 0.5A)
Fire OUT	Fire Output Terminal; the silkscreen on the board corresponds to the output state when an event occurs, see the table below for details.
485A、485B	Reserve RS485 terminals for external 485 devices; polarized
CANH、CANL	CAN communication line between networked hosts; polarized

System wiring diagram :



Note:This product can not be used as a host (No.1)

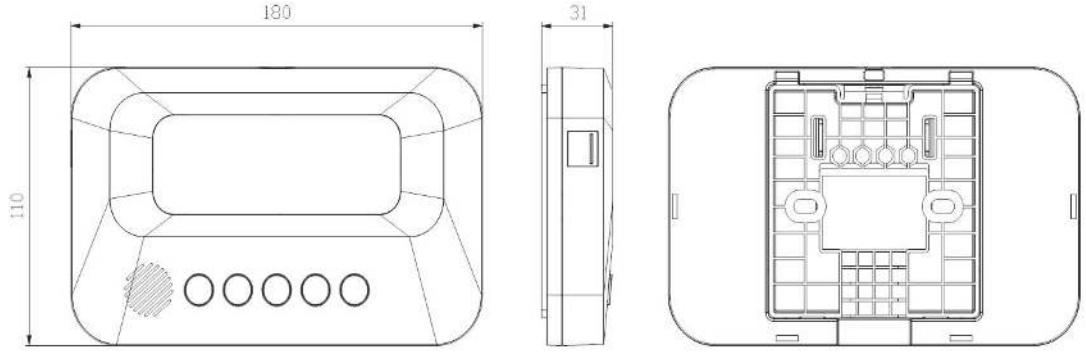
4.4 JB-FSD-A82E Fire Indicating Panel

Technical parameters :

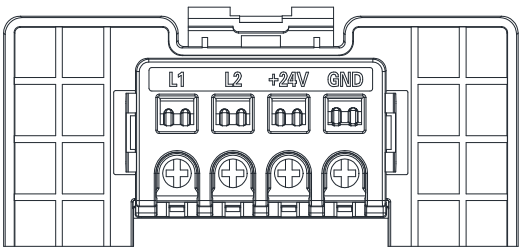


- Operating voltage：Loop:24V
- Operating current:monitor status:<6.5mA，Alarm Status ＜ 10mA(Brightness level 1)
- Product weight: about 230 g
- Operating conditions：environment temperature：0 ℃～+40℃； humidity：≤95%（40℃±2 ℃，no condensation）
- Housing material: ABS, white
- Approx. Dimensions of the panel (W×H×D):180 mm×110 mm×31mm
- Installation method : wall-mounted
- Wiring method: two-wire system, non-polar two-bus (L1, L2)

Appearance and dimensions（Unit：mm）

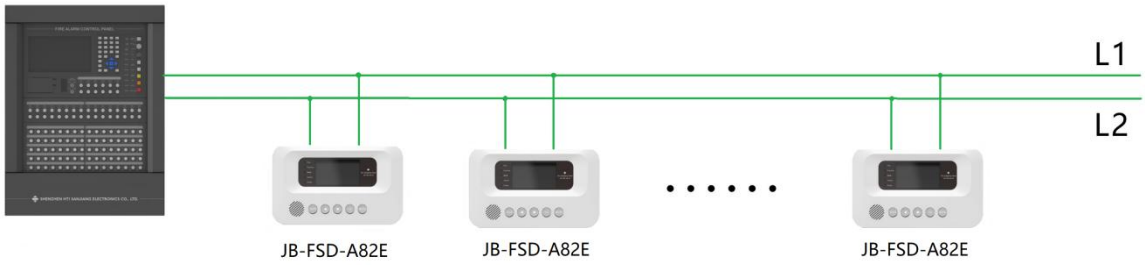


Terminal description:



Identification	Description
L+、L-	Two-bus signal terminal
24V、GND	Unused

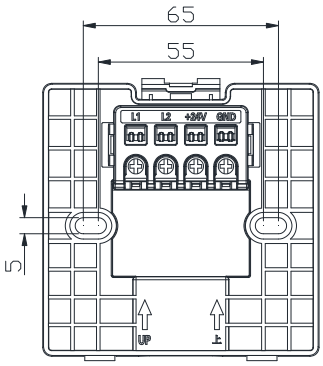
Wiring diagram of multi-wire linkage unit :

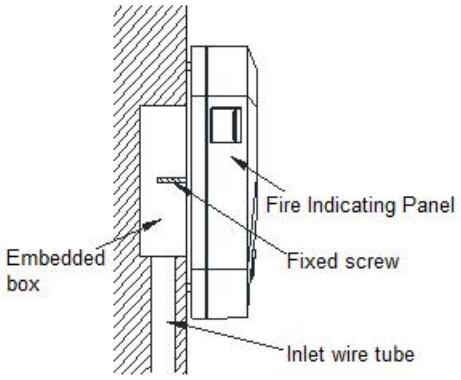


Installation Description:

A special supporting base is required for installation, and a wall-mounted pre-buried 86-box installation mode is used. The external circuit can be directly connected to the terminal behind the fire display panel. The external dimension of the supporting base is 46mm x 48mm x 18mm (L x W x H). The diameter of the fixed holes is φ4.5mm, the spacing between the fixed holes is 45mm-63mm, and the spacing between the 86 boxes is 60mm. Fix the base of the fire display panel on the embedded box 86, and connect the lead from the box 86 to the plug and pull terminal of the fire display panel according to the terminal wiring instructions. Align the guide groove on the back of the fire display panel with the fixed base, and press the fire display panel firmly until the guide groove on the back of the fire display panel fits the fixed base completely.

Installation Instruction:





Native encoding: (Encoder encoding can also be used)

Step 1: Level 3 user login: normal monitoring interface, press any key to pop up the password input box, press the "◄、self-check, ►", confirm; Press the button to complete Level 3 user login. Level 3 users can perform self-check, muffling, query, and setting operations.

Step 2: When the fire display is on Level 3 user login, press the "◄" key to enter the menu setting screen.

Step 3: Set the local address in the address setting menu, and press "OK" to exit the address setting. Address setting: The address number of the fire display can be set to up to 3 bits, press the ◄ key or ► key to shift, press the mute key or self-check key to change the current bit. For example, if the current address is 002 and 2 is the current bit, press the primary silence key to change the address to 001, press the primary self-check key to change the address to 003, and press OK to save and exit.

5. Detectors Series

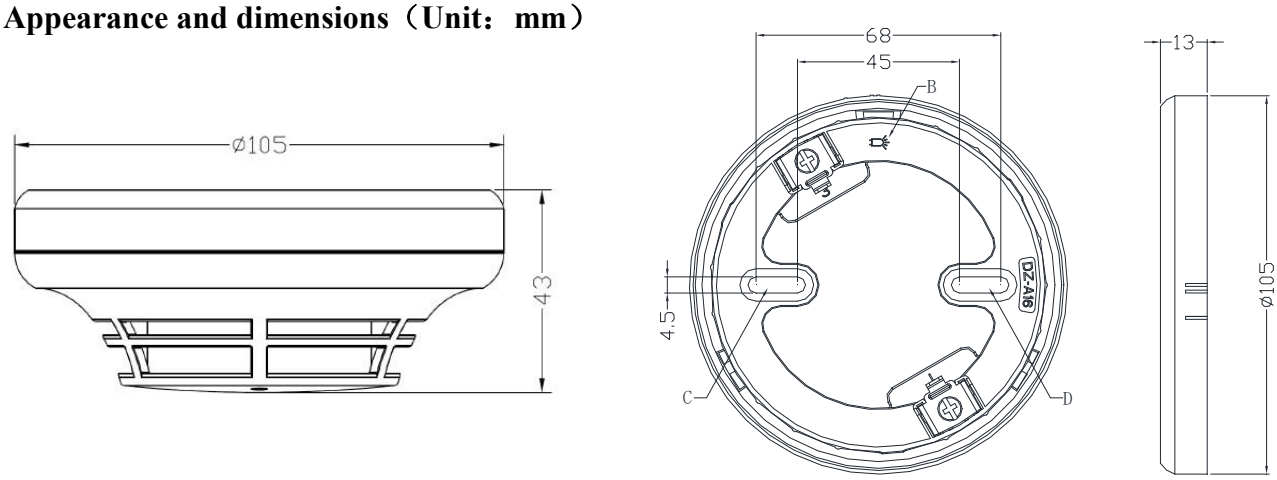
5.1 JTY-JD-A30E Addressable Smoke Detector

Technical parameters :



- Operating voltage:loop 24V
- Operating current:monitor status:<300uA，Alarm Status ＜ 1.5mA (Brightness level 1)
- Working indicator: Status indicator: blinks during inspection, and the alarm is always on
- Product weight：about 75 g
- Housing material：ABS，white
- Dimensions：Φ105 mm×43 mm（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Protection area：about 80m² (storey≤12 m）,Refer to GB 50116-2013 "Code for Design of automatic Fire Alarm System"
- Installation method：Ceiling mounting
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：Electrical coding via encoder, address code 1-324 optional
- Base：DZ-A16E/DZ-A10 No Stripping Base

Appearance and dimensions（Unit：mm）

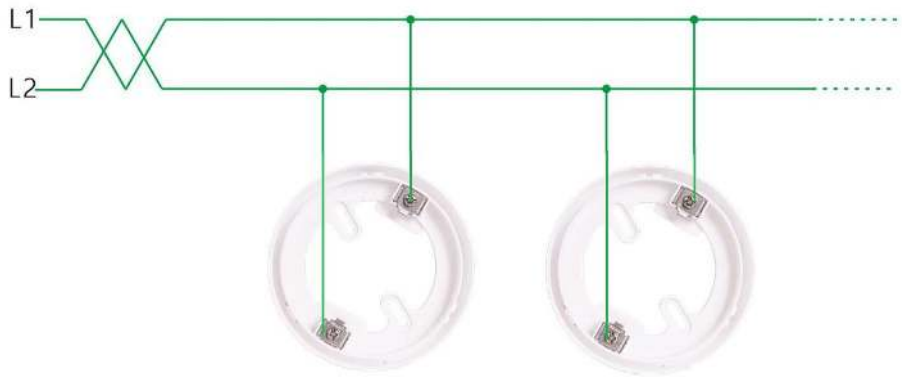


Note：B — Detector light
C、D — fixed orifice（M4 screw）

Terminal description:

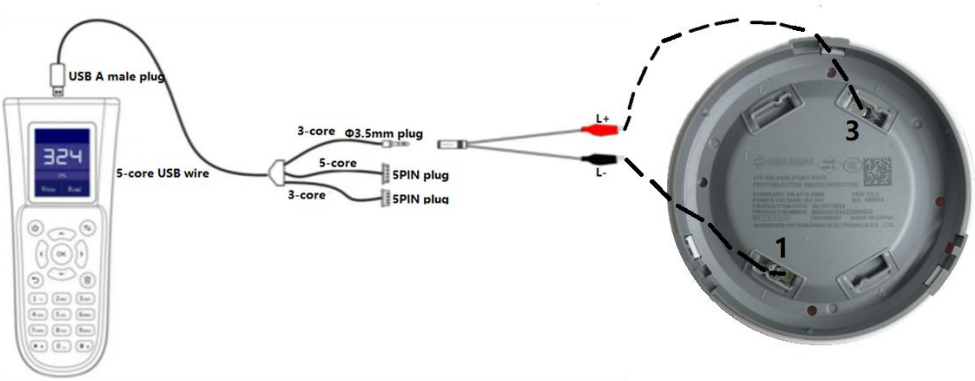
Identification	Description	
L1,L2	Loop connection, non-polarized.	

Wiring diagram of multi-wire linkage unit :

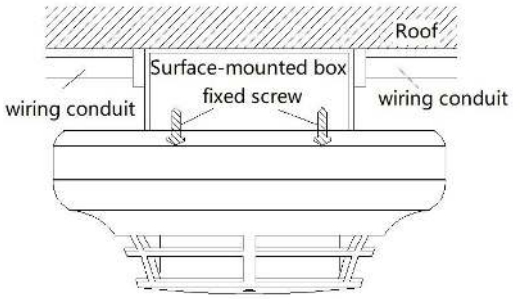


Address coding

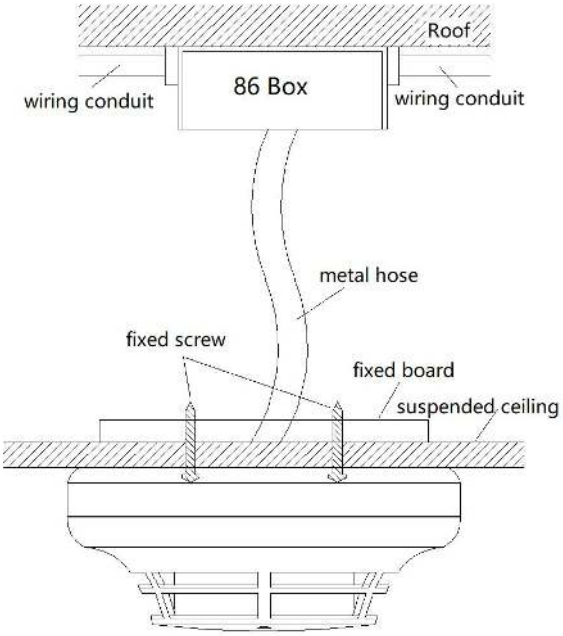
Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction



Installation diagram of detector embedded box



Detector ceiling installation diagram

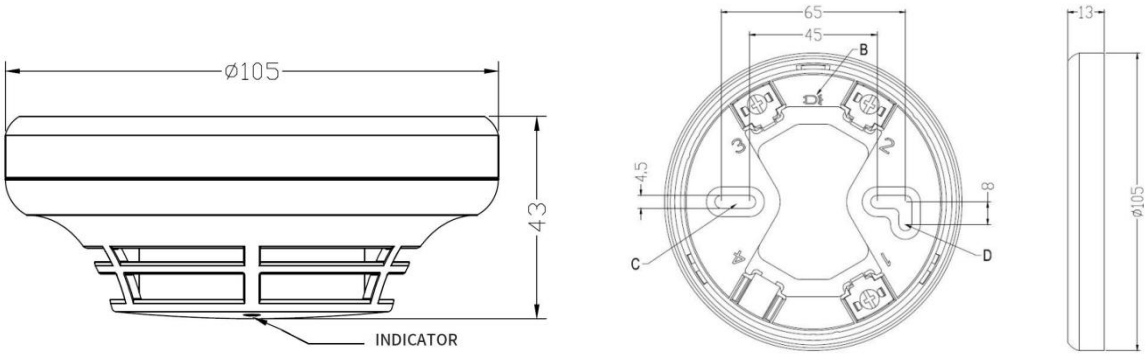
5.2 JTY-JD-A30KE Conventional Smoke Detector

Technical parameters :



- Operating voltage:DC 24V
- Operating current:monitor status:<50uA，Alarm Status ＜ 1mA~20mA(It is related to the current limiting resistance of the loop)
- Working indicator: Status indicator: During inspection, the indicator blinks once every six seconds,and the rad indicator of sensor failure status blinks every 6 seconds two times,the alarm status is red light is always on
- Product weight：about 75 g（with base）
- Housing material：ABS，white
- Dimensions：Φ105 mm×43 mm（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Executive standard: GB 4715-2005
- Operating environment：indoor，temperature:-10 ℃—+50 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：No code required, through the input module JK-A52E access alarm control panel
- Base：DZ-A16KE

Appearance and dimensions（Unit：mm）



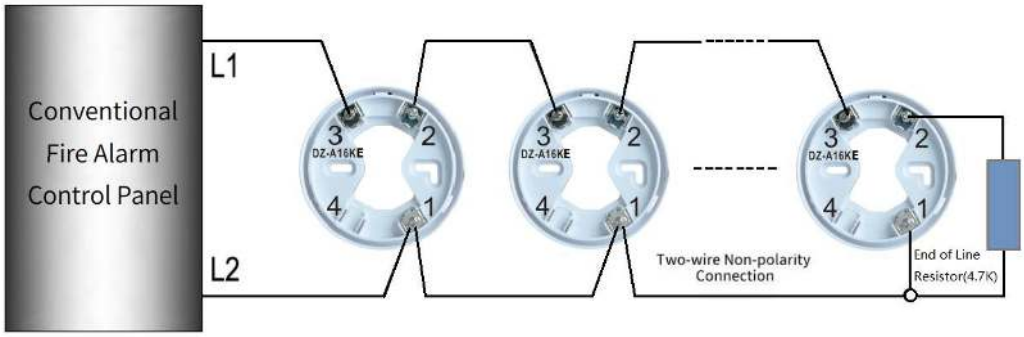
Note：B — Detector light
C、D — fixed orifice（M4 screw）

Terminal description:

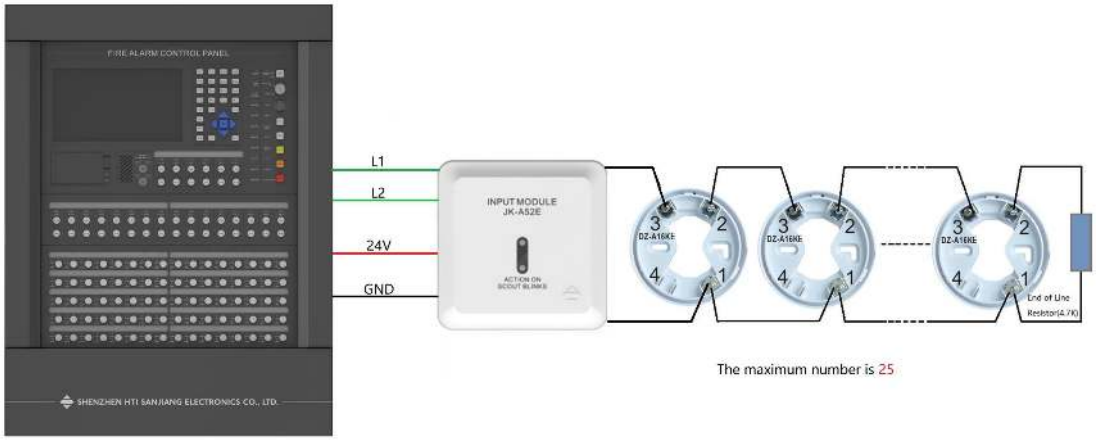
Identification	Description	
1	Signal Terminal L2(Common Port)	
2	Signal Terminal L1(to next cascade)	
3	Signal Terminal L1(to upper cascade)	
4	Null	

Wiring diagram of multi-wire linkage unit :

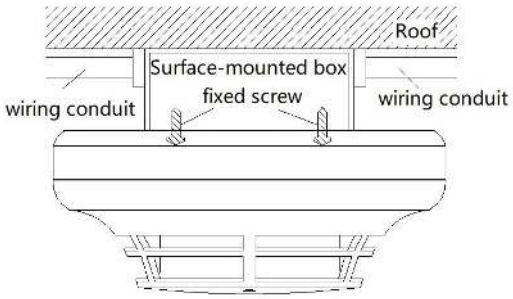
a. The detector access to the Conventional Fire Alarm Control Panel wiring diagram:



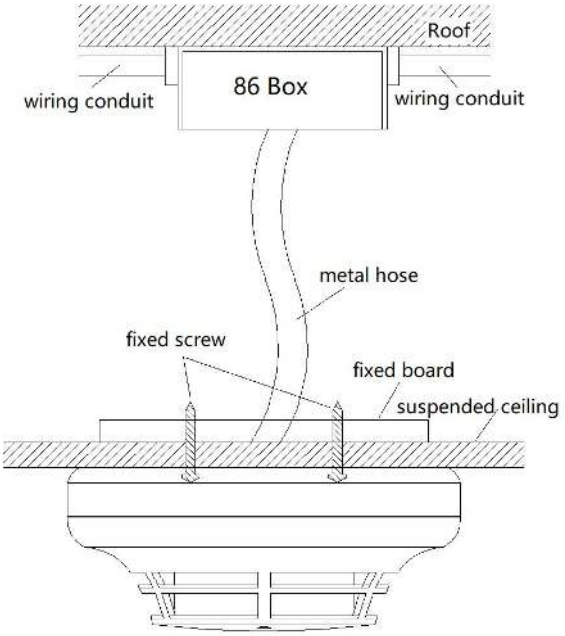
b. The detector connects to the Addressable Fire Alarm Control Panel through the input module：



Installation Instruction



Installation diagram of detector embedded box



Detector ceiling installation diagram

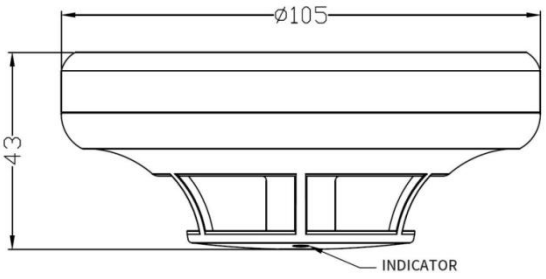
5.3 JTW-ZD-A20E Addressable Heat Detector

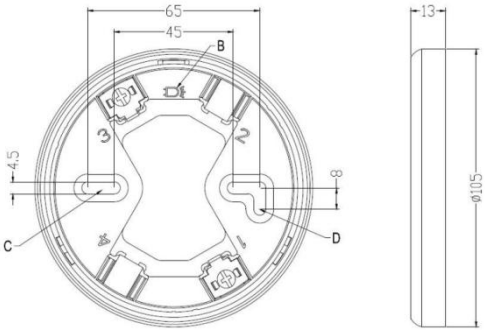


Technical parameters :

- Operating voltage:Loop 24V
- Operating current:monitor status:<300uA，Alarm Status ＜1.5mA
- Working indicator:The red indicator of the monitoring state blinks, and the red indicator of the alarm state is steady on
- Product weight：about 60 g（with base）
- Housing material：ABS，white
- Wiring method：Non-polar two-bus（L1、L2）
- Executive standard: GB 4716-2005
- Protection area：about 30m² (storey≤8m）,Refer to GB 50116-2013 "Code for Design of automatic Fire Alarm System"
- Operating environment：indoor，temperature:-10 ℃—+50 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：The encoder can be coded in the field, and the address range is 1~324
- Base：DZ-A16E/DZ-A10 No stripping base

Appearance and dimensions（Unit：mm）



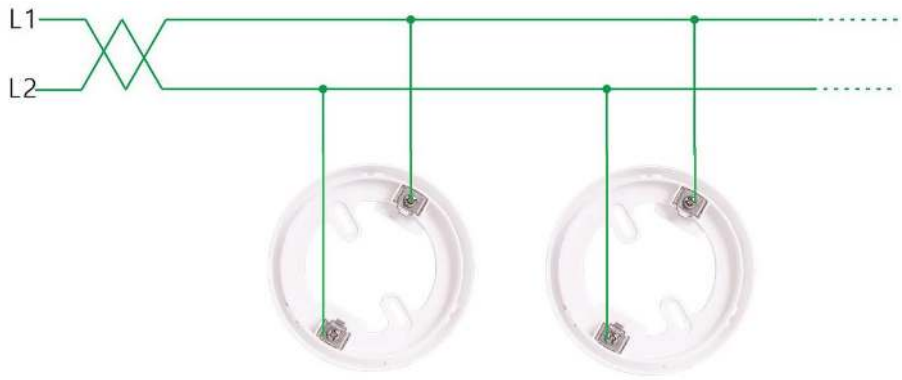


Note：B — Detector light
C、D — fixed orifice（M4 screw）

Terminal description:

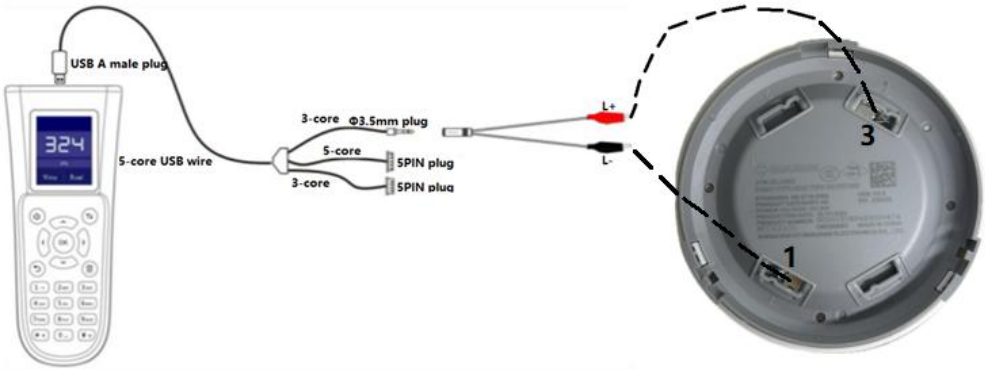
Identification	Description	
1	Signal Terminal L1	
2	Null	
3	Signal Terminal L2	
4	Null	

Wiring diagram of multi-wire linkage unit :

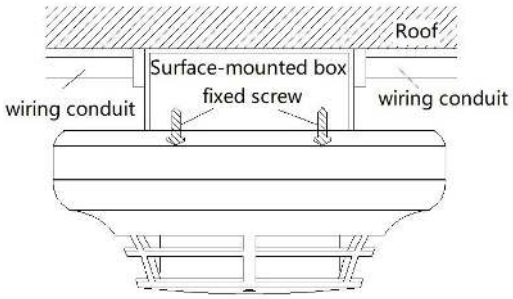


Address coding

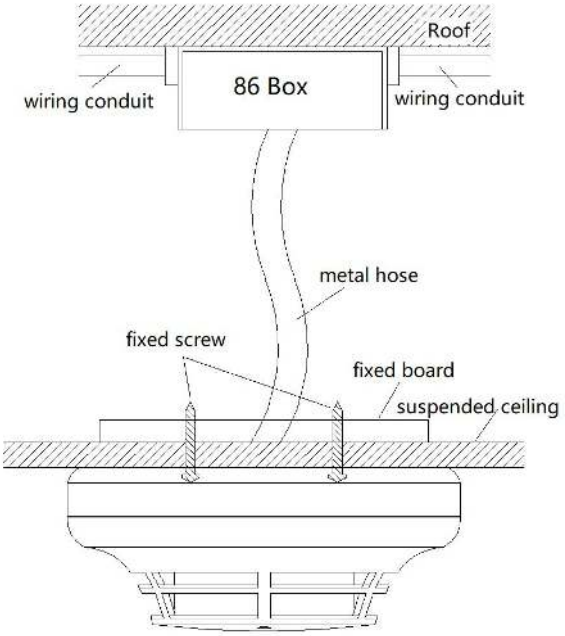
Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction



Installation diagram of detector embedded box



Detector ceiling installation diagram

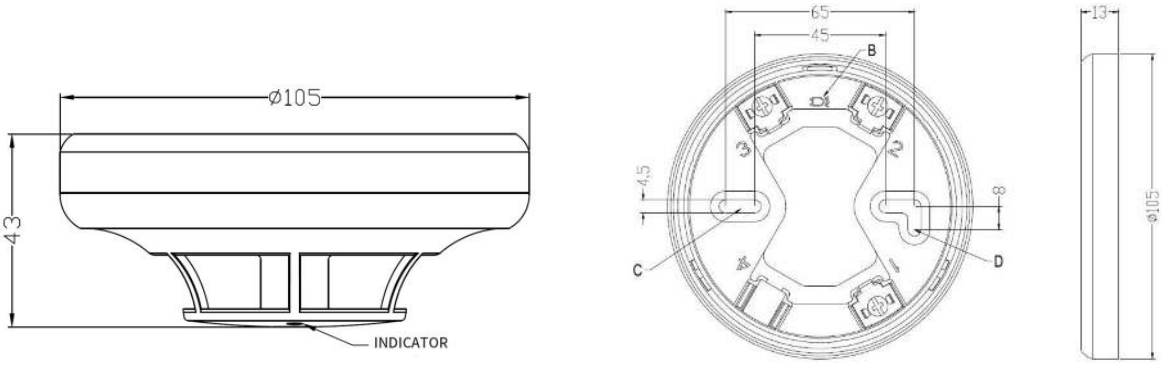
5.4 JTW-ZD-A20KE Conventional Heat Detector



Technical parameters :

- Operating voltage:DC 24V
- Operating current:monitor status:<50uA，Alarm Status ＜1mA~15mA
- Working indicator:The red indicator of the monitoring state blinks, and the red indicator of the alarm state is steady on
- Product weight：about 60 g（with base）
- Housing material：ABS，white
- Dimensions：Φ105 mm×43 mm（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Executive standard: GB 4716-2005
- Operating environment：indoor，temperature:-10 ℃—+50 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：No coding required.Used with the JK-A52E input module to connected with the fire alarm control panel.
- Protection area: about 30m²(height ≤8 m) Refer to GB 50116-2013 "Code for Design of automatic fire Alarm System"
- Base：DZ-A16KE

Appearance and dimensions（Unit：mm）



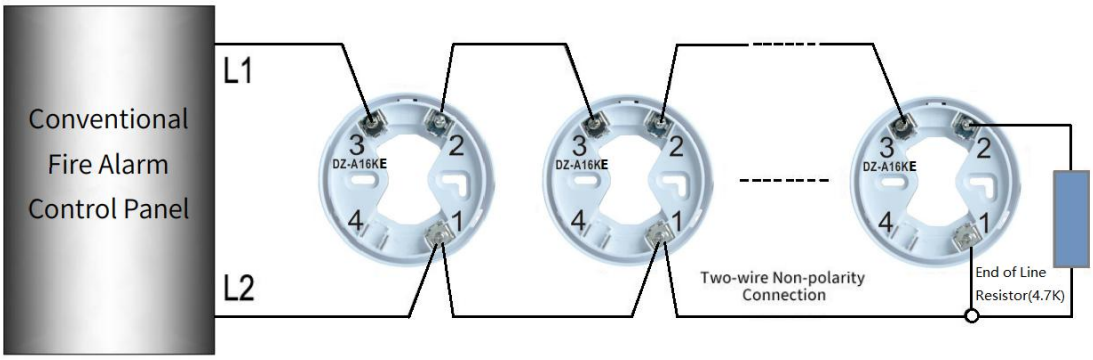
Note：B — Detector light
C、D — fixed orifice（M4 screw）

Terminal description:

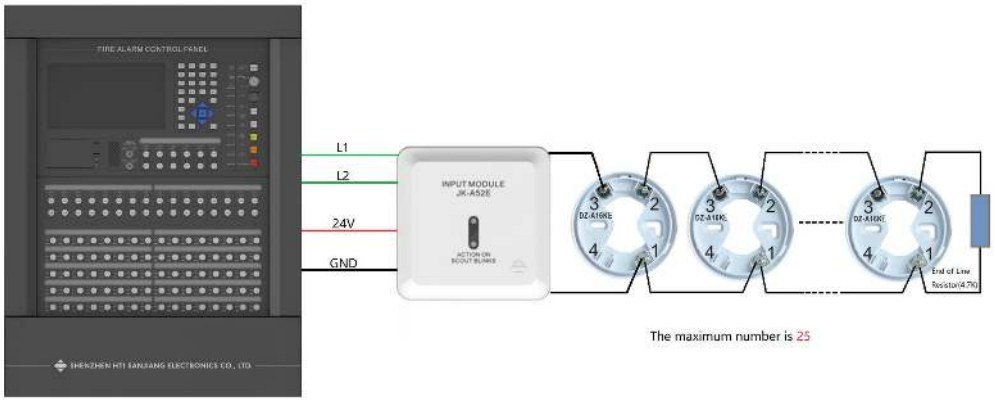
Identification	Description	
1	Signal Terminal L2(Common Port)	
2	Signal Terminal L1(to next cascade)	
3	Signal Terminal L1(to next cascade)	
4	Null	

Wiring diagram of multi-wire linkage unit :

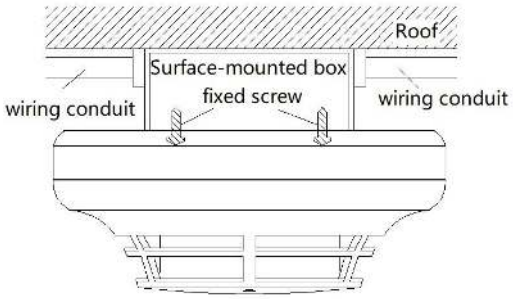
c. The detector access to the Conventional Fire Alarm Control Panel wiring diagram,as shown in Fig.3:



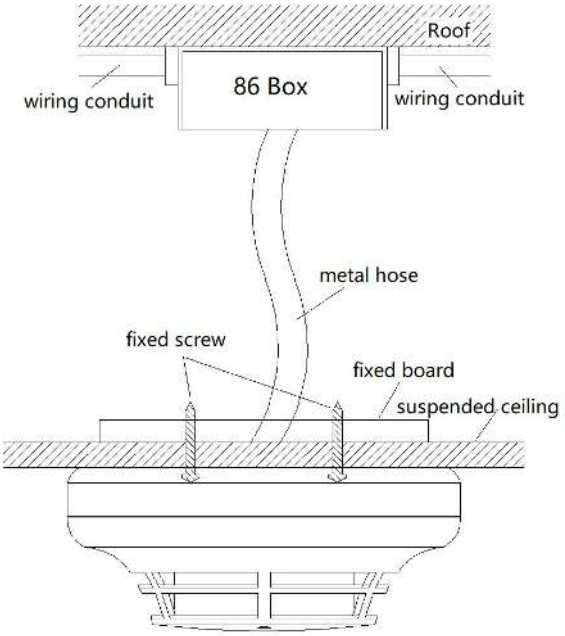
d. The detector connects to the Addressable Fire Alarm Control Panel through the input module, as shown in Fig.4:



Installation Instruction



Installation diagram of detector embedded box



Detector ceiling installation diagram

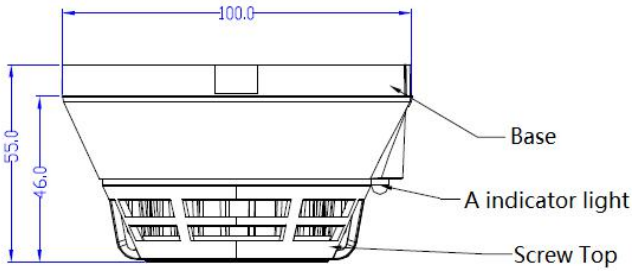
5.5 JTF-GDM-936E Addressable Smoke And Heat Detector

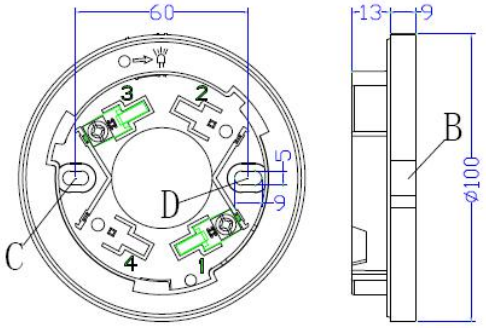
Technical parameters :



- Operating voltage:Loop 24V
- Operating current:monitor status:<500uA，Alarm Status ＜1.5mA
- Working indicator:The red indicator of the monitoring state blinks, and the red indicator of the alarm state is steady on
- Product weight：about 100 g（with base）
- Housing material：ABS，white
- Wiring method：Non-polar two-bus（L1、L2）
- Dimensions: Φ100 mm×55 mm (including base)
- Protection area：about30m² (storey≤8m）,Refer to GB 50116-2013 "Code for Design of automatic Fire Alarm System"
- Operating environment：indoor，temperature:-10 ℃—+50 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：The encoder can be coded in the field, and the address range is 1~324
- Base：DZ-910E

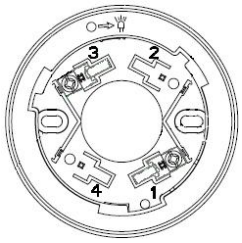
Appearance and dimensions（Unit：mm）



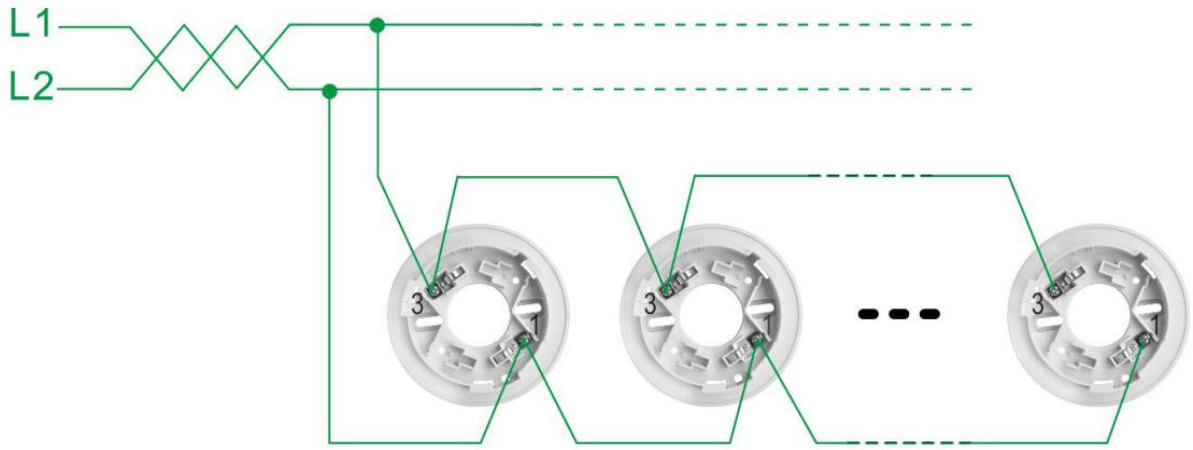


Terminal description:

Identification	Description
1	Signal Terminal L1
2	Null
3	Signal Terminal L2
4	Null



Wiring diagram of multi-wire linkage unit :



The encoding and installation methods of JTF-GDM-936E are the same as JTY-GD-A30E.

6. Manual Call Point Series

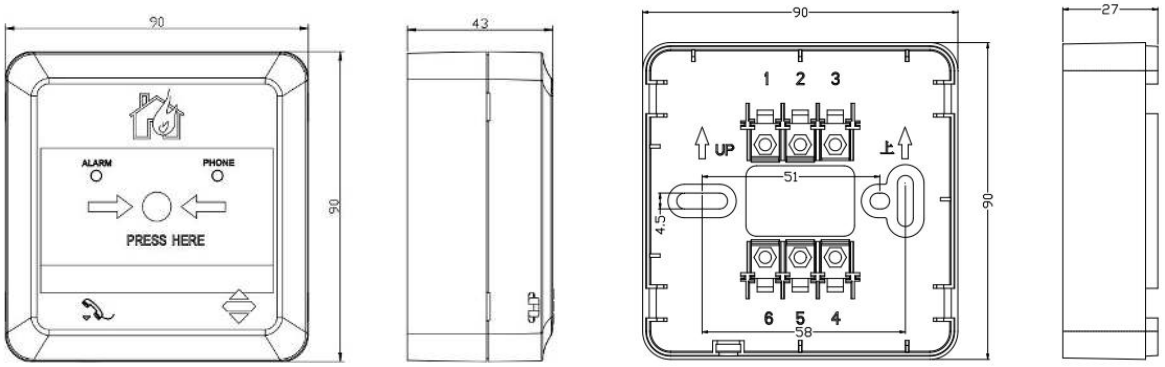
6.1 J-SAP-M-A62E Addressable Manual Call Point



Technical parameters :

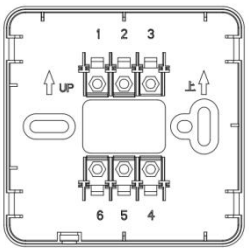
- Operating voltage:Loop 24V
- Operating current:monitor status:<300uA，Alarm Status ＜2mA
- Working indicator:Red Status indicator (blinking during inspection and always on when the manual indicator is pressed) Phone indicator Blinking when the fire telephone system is connected
- Output contact: Capacity 0.1A /30 VDC, normally open contact
- Product weight：about 112 g（with base）
- Housing material：ABS，Red
- Dimensions：90 mm×90 mm×43 mm（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Executive standard: GB 19880-2005
- Installation height:1.3m-1.5m away from the ground, wall mounted/embedded
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：Electrical coding via encoder, address code 1-324 optional
- Protection area: about 30m²(height ≤8 m) Refer to GB 50116-2013 "Code for Design of automatic fire Alarm System"
- Two-wire fire telephone jack (with φ6.3 mono audio plug)
- Base：DZ-A62E

Appearance and dimensions（Unit：mm）

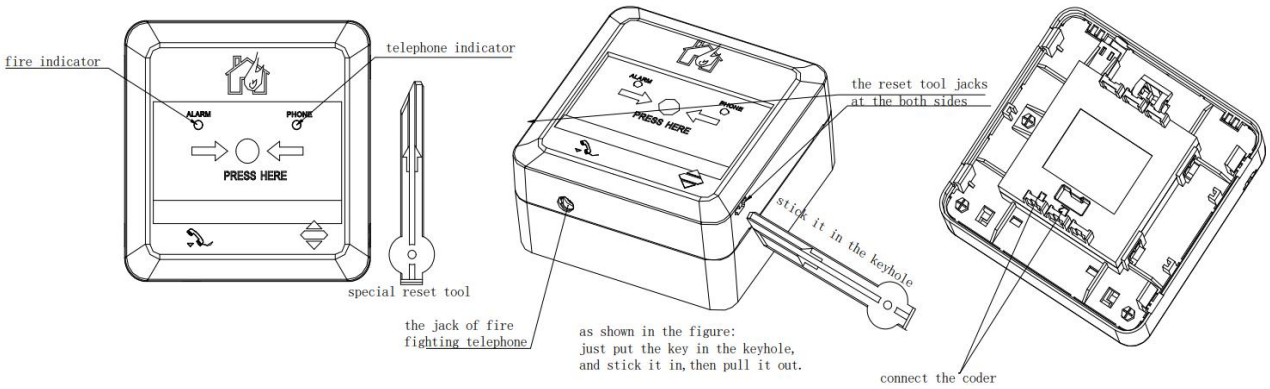


Terminal description:

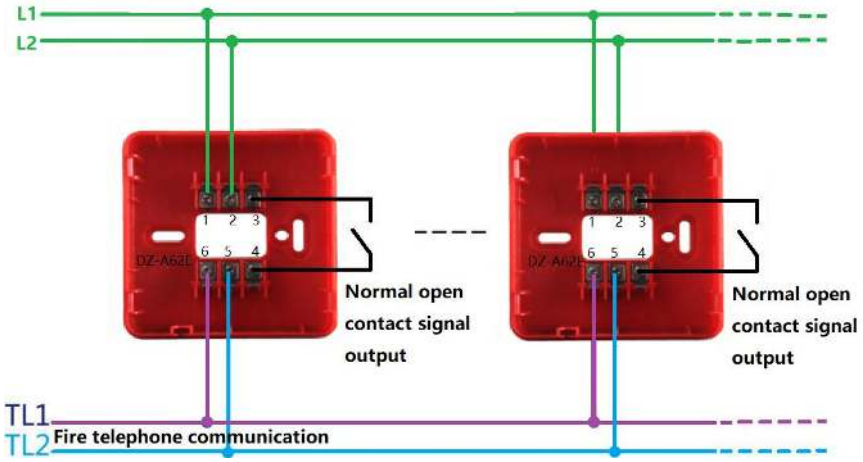
Identification	Description
1	Signal Terminal L1
2	Signal Terminal L2
3	normally open terminal CON2 (close with 4 port)
4	normally open terminal CON2 (close with 4 port)
5	fire telephone line terminal(TL2)
6	fire telephone line terminal(TL1)



Reset indication diagram (J-SAP-M-A62KE, J-SAP-M-A63 similar to this reset mode)

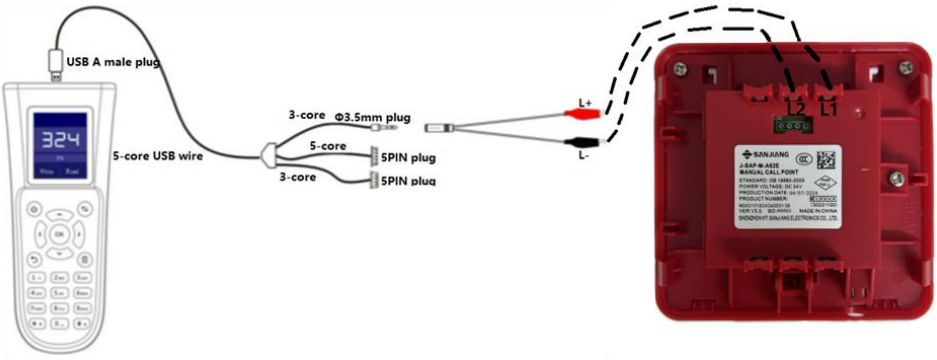


Wiring diagram of multi-wire linkage unit :

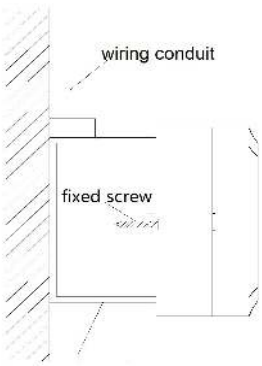


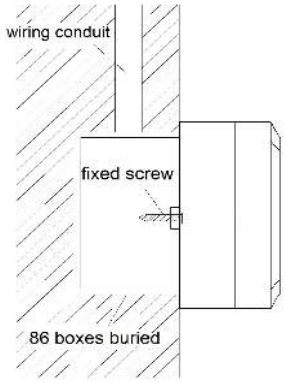
Address coding

Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction





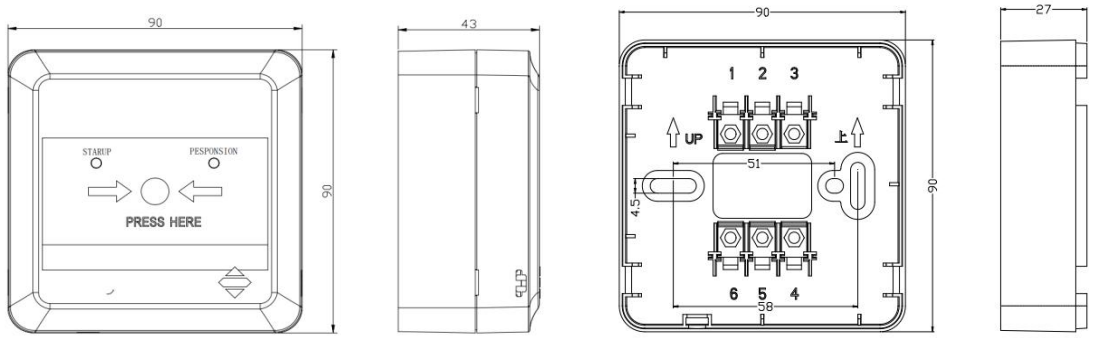
6.2 J-SAP-M-A63E Addressable Fire Hydrant Button



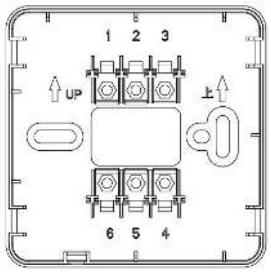
Technical parameters :

- Operating voltage:Loop 24V
- Operating current:monitor status:<300uA，Alarm Status ＜3mA
- Working indicator:Red status indicator (shiny during inspection, and always on when the hydrant button is pressed) Green responsion indicator (lit when the hydrant button receives an answer signal after the fire pump is running)
- Starting method: manually press the button (after starting, special tools can be manually reset)
- Output contact: Capacity 0.1A /30 VDC, normally open contact
- Product weight：about 112 g（with base）
- Housing material：ABS，Red
- Dimensions：90 mm×90 mm×43 mm（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Installation position:On the fire hydrant box or the wall next to it
- Operating environment：indoor，temperature:0 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：Electrical coding via encoder, address code 1-324 optional
- Base：DZ-A63E

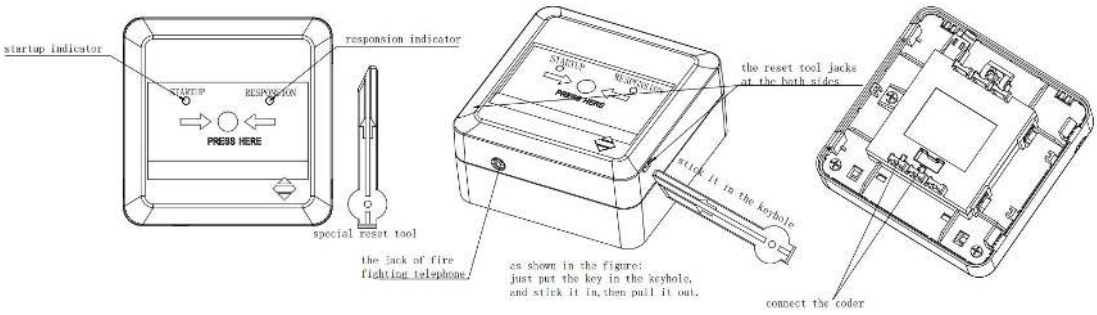
Appearance and dimensions（Unit：mm）



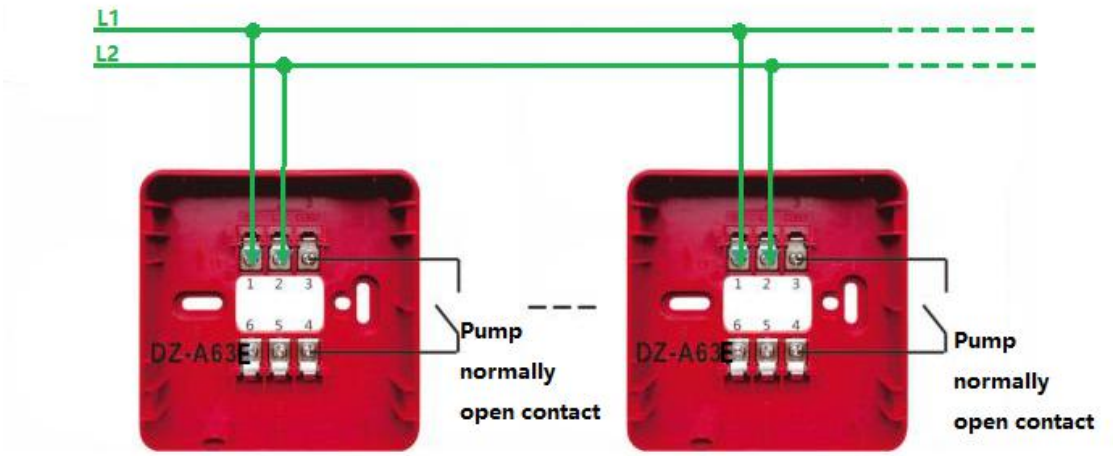
Terminal description:

Identification	Description	
1	signal access terminal(L1)	
2	signal access terminal(L2)	
3	normally open contact CON2(close with 4 port)	
4	normally open contact CON1(close with 3 port)	
5	responsion signal terminal(LED+)	
6	responsion signal terminal(LED-)	
Note: Pin 5 and pin 6 are standby and connected when external feedback signal is needed		

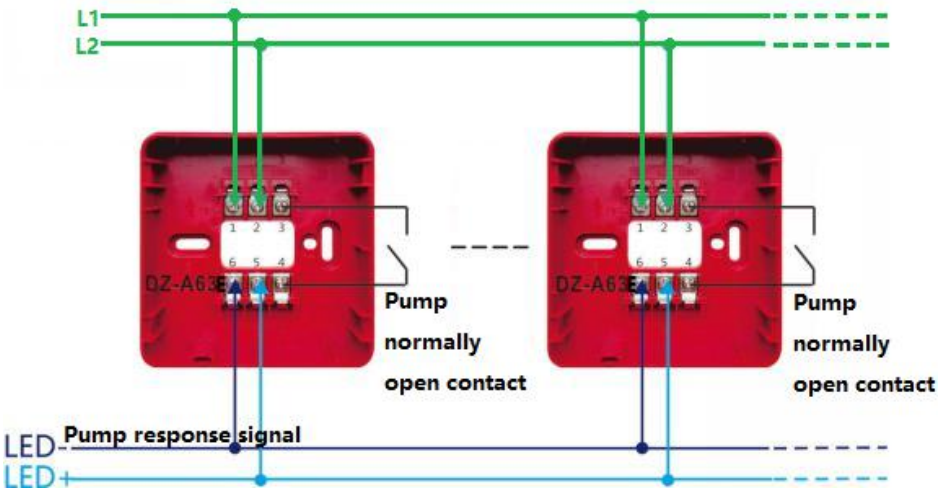
Reset indication diagram (J-SAP-M-A62KE, J-SAP-M-A63 similar to this reset mode)



Wiring diagram of multi-wire linkage unit :



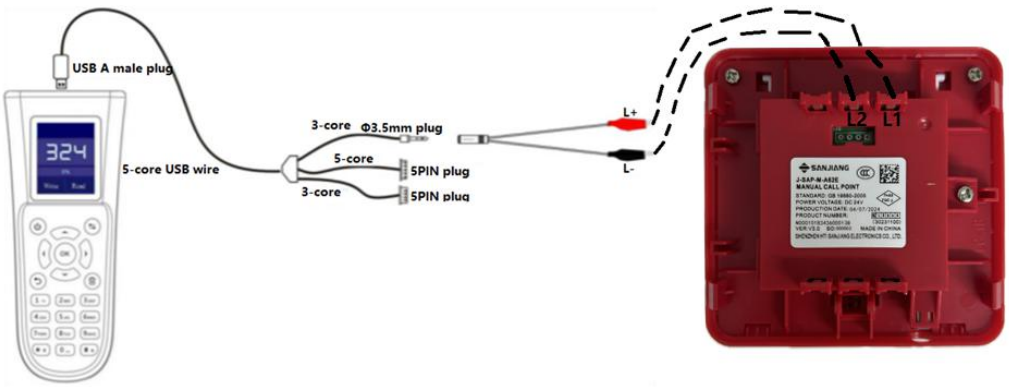
Four-wire wiring diagram



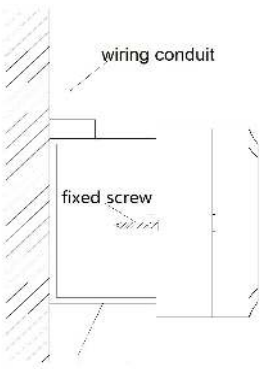
Six-wire wiring diagram

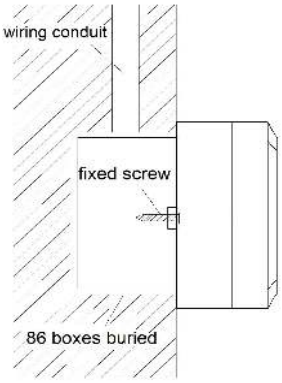
Address coding

Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction





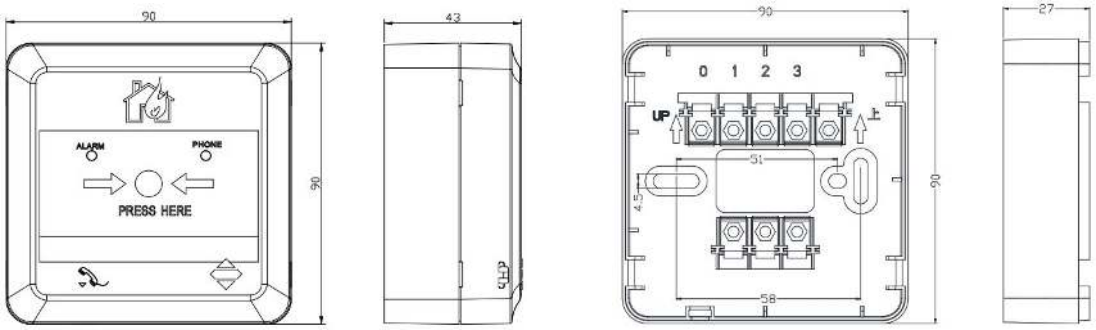
6.3 J-SAP-M-A62KE Conventional Manual Call Point



Technical parameters :

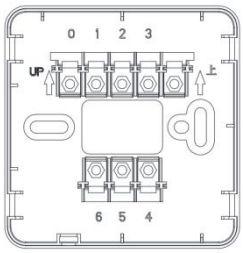
- Operating voltage:DC 24V
- Operating current:monitor status: 0mA，Alarm Status ＜ 25mA(Access JK-A52E input module)
- Working indicator: Red status indicator (always on when the manual call point is pressed) Phone indicator lights up when connecting to the fire telephone system)
- Output contact: Capacity 0.1A /30 VDC, normally open contact
- Product weight：about 112 g（with base）
- Housing material：ABS，Red
- Dimensions：90 mm×90 mm×43 mm（with base）
- Wiring method：Non-polar two-bus（TO+、TO-）
- Installation position:1.3m - 1.5m from the ground, wall surface installation/buried
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding:No code required, through the input module JK-A52E access alarm controller
- Base：DZ-A62KE

Appearance and dimensions（Unit：mm）

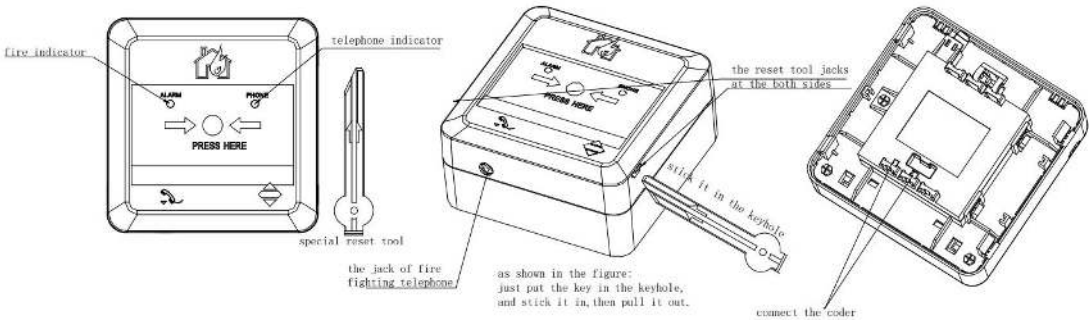


Terminal description:

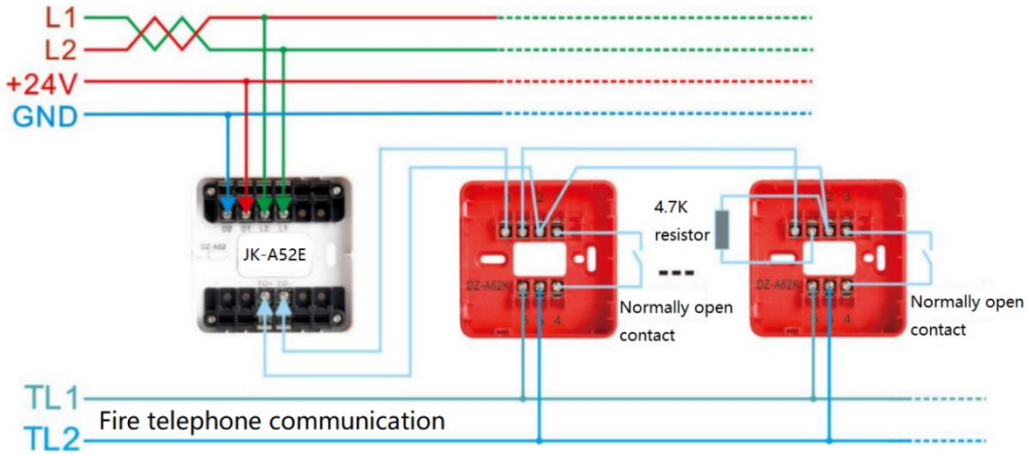
Identification	Description
0	signal access terminal(1TO-)
1	signal access terminal(2TO-)
2	signal access terminal(TO+)
3	normally open contact CON2(close with 4 port)
4	normally open contact CON1(close with 3 port)
5	Fire telephone line terminal(TL2)
6	Fire telephone line terminal(TL1)



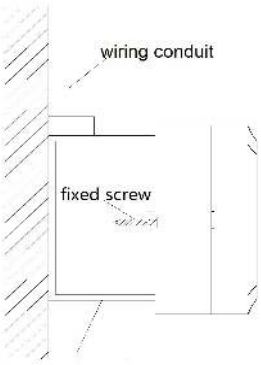
Reset indication diagram (J-SAP-M-A62KE, J-SAP-M-A63 similar to this reset mode)

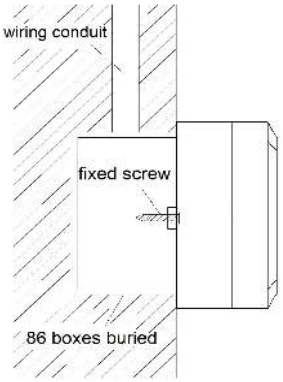


Wiring diagram of multi-wire linkage unit :



Installation Method





7. Module Series

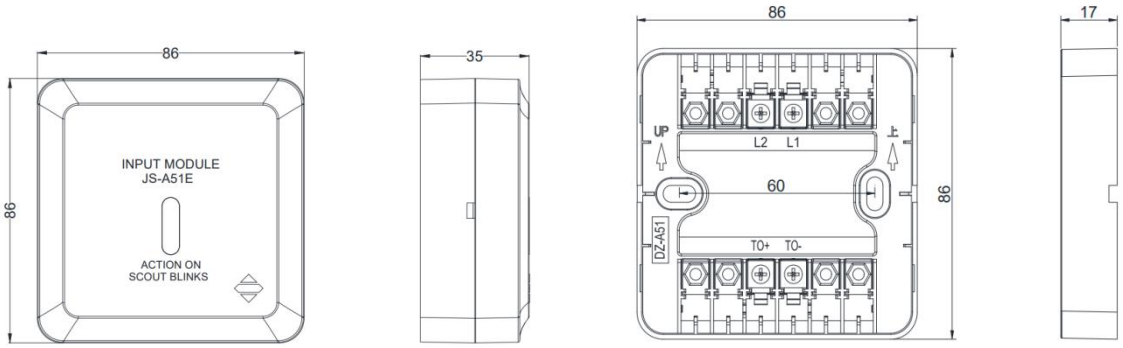
7.1 JS-A51E Addressable Input Module



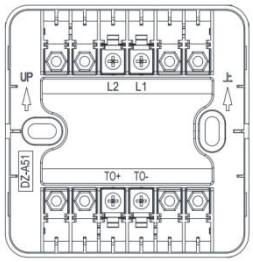
Technical parameters :

- Operating voltage:Loop 24V
- Operating current:monitor status: ＜ 0.5mA，Alarm Status ＜ 2mA
- Working indicator:Red indicator light (shining during inspection, always on during operation)
- Input contact : normally open contact signal input
- Product weight：about 115g（with base）
- Terminal load: 47K resistor
- Housing material：ABS，white
- End-of-line resistor: 47KΩ resistor
- Dimensions：86 mm×86 mm×41 mm（with base）
- Wiring method：Non-polar two-bus
- Operating environment：indoor，temperature:-10 ℃—+50 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：Through the encoder can be field coding, address coding 1 ~ 324 optional
- Base：DZ-A51E

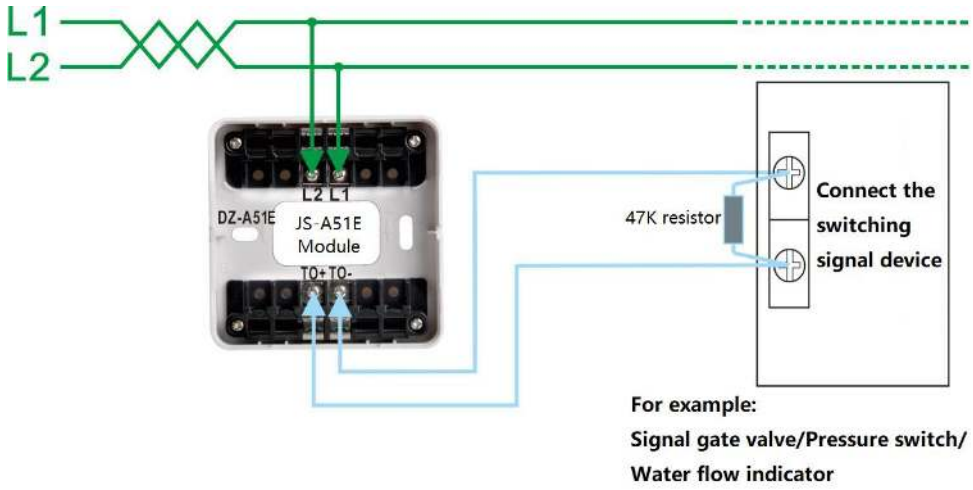
Appearance and dimensions（Unit：mm）



Terminal description:

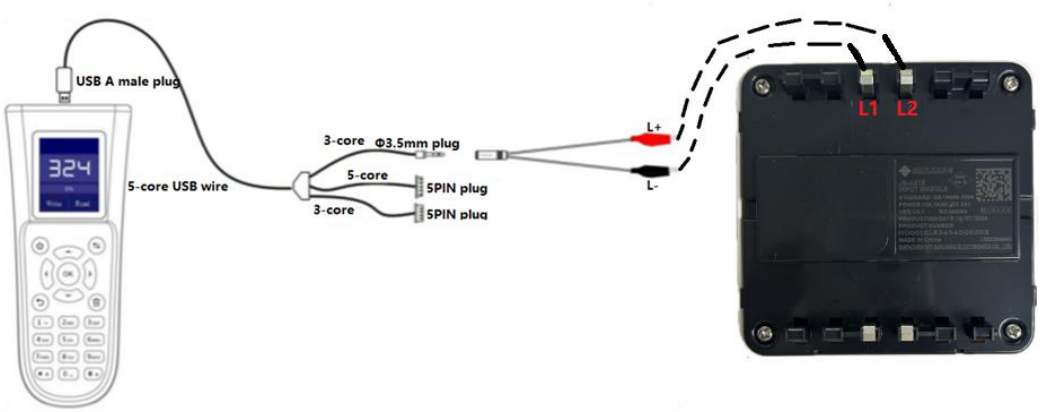
Identification	Description	
L1,L2	Loop connection, non-polarized.	
TO+,TO-	Passive input terminal (none-polarity connection)	

Wiring diagram of multi-wire linkage unit :

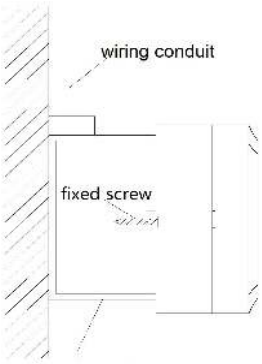


Address coding

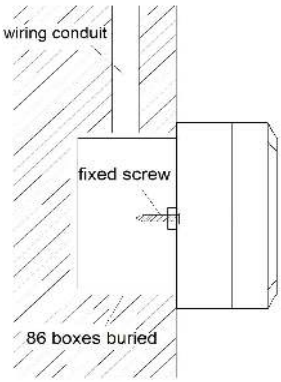
Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction



Embedded box wall-mounted installation diagram



Embedded box hidden installation diagram

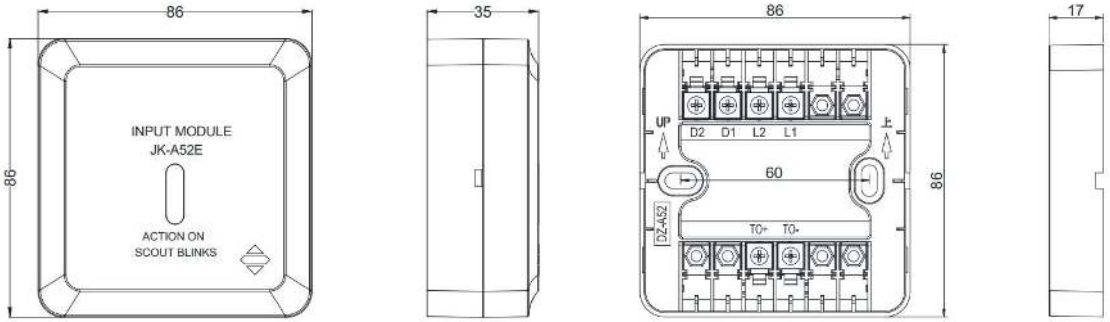
7.2 JK-A52E Addressable Input Module



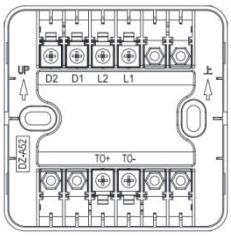
Technical parameters :

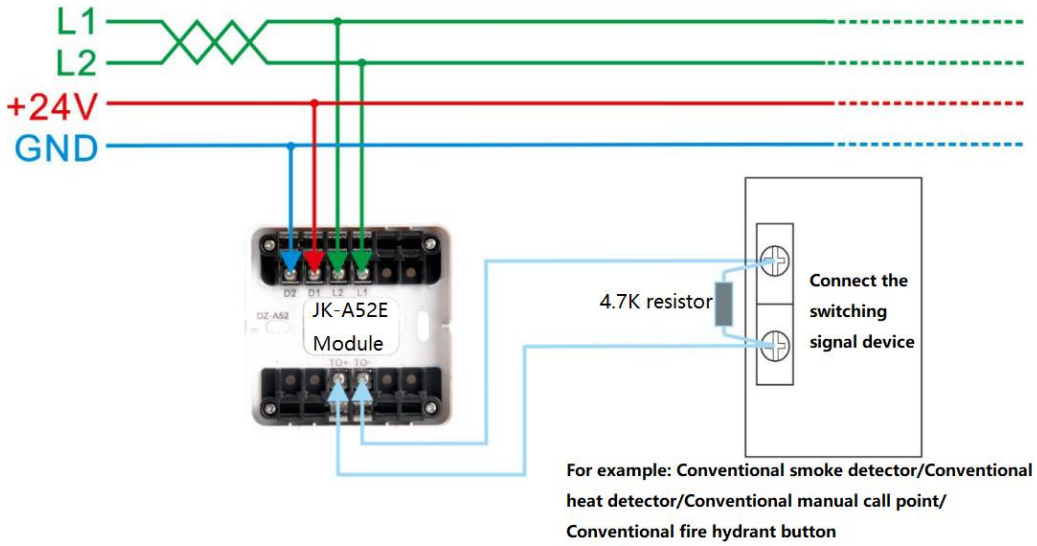
- Operating voltage:DC 24V
- Operating current: monitor status: ＜ 0.5mA(Loop)，＜ 15mA(Power supply), alarm status: ＜ 2mA(Loop)，＜ 35mA(Power supply)
- Working indicator:Red indicator light (shining during inspection, always on during operation)
- Input contact: Alarm signal
- Terminal load: 4.7K resistor
- Product weight：about 125g（with base）
- Housing material：ABS，white
- Dimensions：86 mm×86 mm×41 mm（with base）
- Wiring method：Non-polar two-bus and power cable
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：No code required, through the input module JK-A52E access alarm controller
- Base：DZ-A52E

Appearance and dimensions（Unit：mm）



Terminal description:

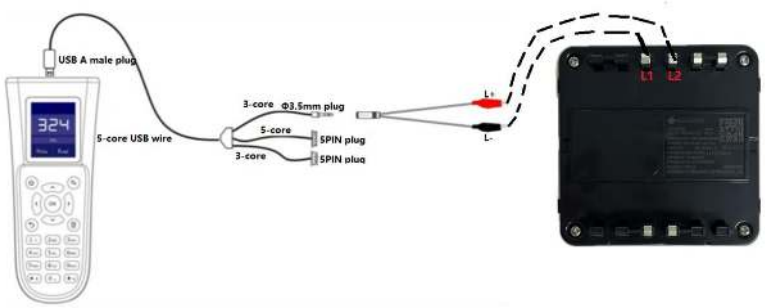
Identification	Description	
L1/L2	Signal access terminal of the fire alarm control panel	
D1/D2	DC24V access terminal (regardless of polarity)	
TO+/TO-	Load access terminal	



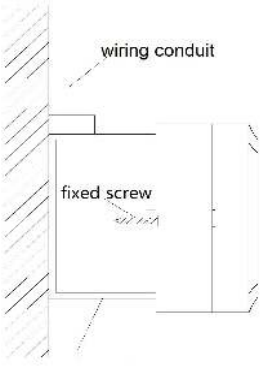
Note: 24V power supply can use DC24V provided on site; when using the JK-A52E module , it must be connected with 4.7K end of line resistor

Address coding

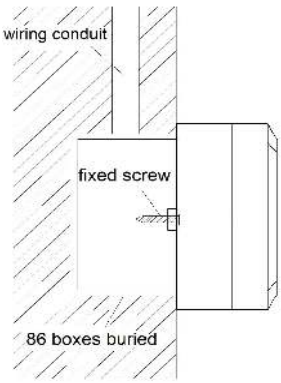
Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction

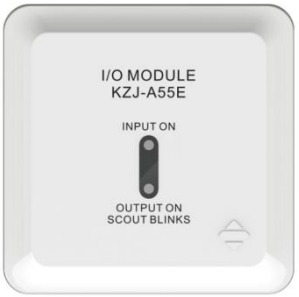


Embedded box wall-mounted installation diagram



Embedded box hidden installation diagram

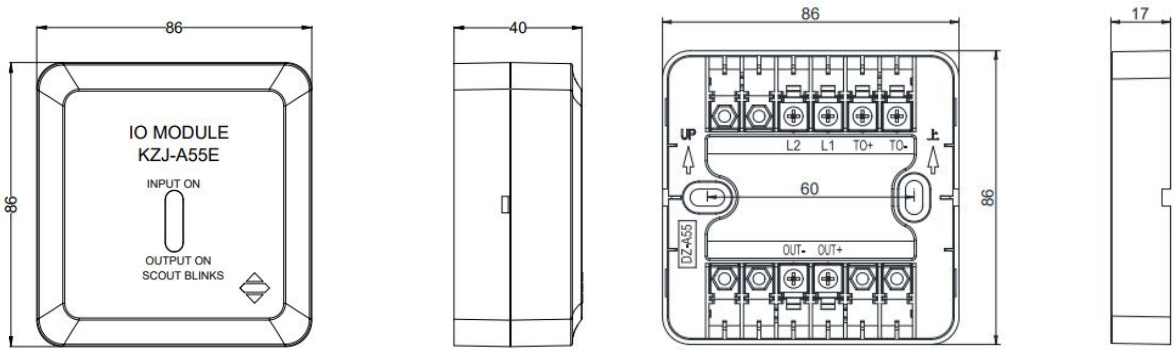
7.3 KZJ-A55E Addressable Input/Output Module



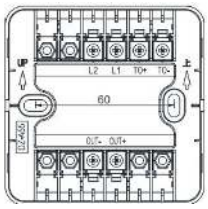
Technical parameters :

- Operating voltage:Loop 24V
- Operating current: monitor status: ＜ 1mA(Loop), alarm status: ＜ 27mA
- Working indicator : Red start indicator, the inspection indicator is shining when the pulse output state, and the inspection indicator is steady when the constant output state; The input indicator is steady on when the feedback status is given
- Output capability: DC34V/1.5A/25ms or DC24V/18mA
- Output mode: active pulse output or active constant output
- Terminal load: 47K resistor
- Input mode: Input normally open line, input normally closed line
- Product weight：about 153g（with base）
- Housing material：ABS，white
- Dimensions：86 mm×86 mm×46 mm（with base）
- Wiring method：Non-polar two-bus and power cable
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：No code required, through the input module JK-A52E access alarm controller
- Base：DZ-A55E

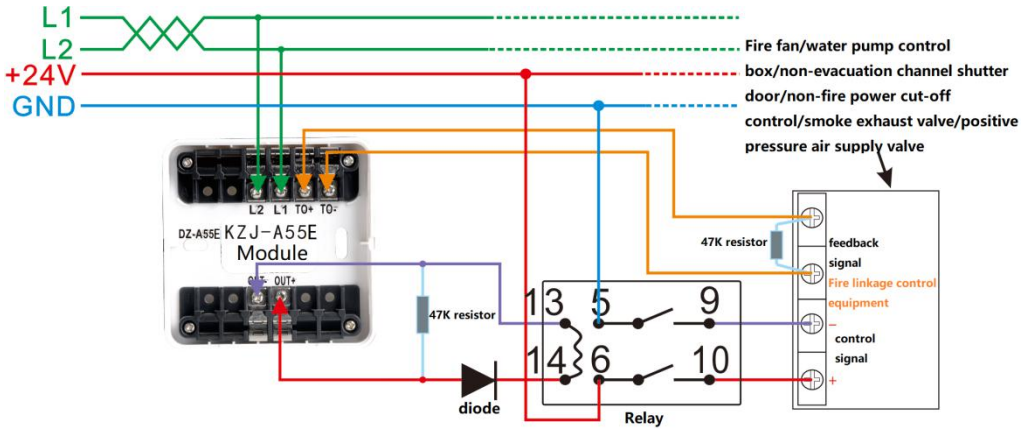
Appearance and dimensions（Unit：mm）



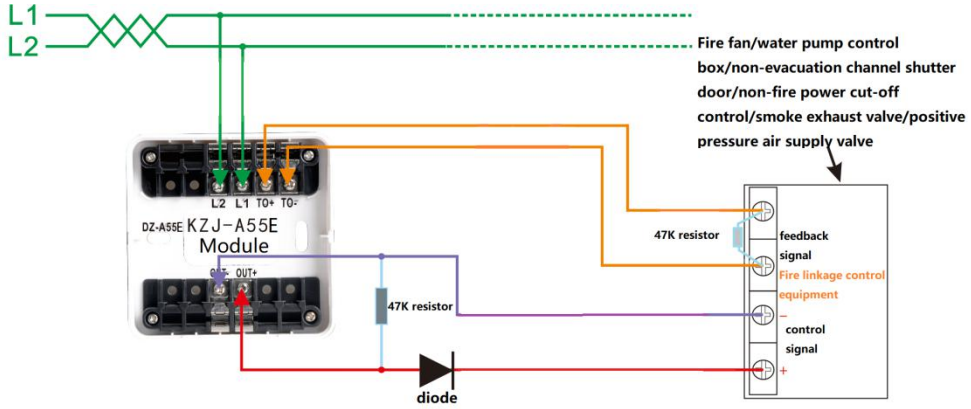
Terminal description:

Identification	Description	
L1/L2	Controller loop bus signal access terminal (non-polar	
OUT+/OUT-	Passive feedback input	
TO+/TO-	Active output terminal	

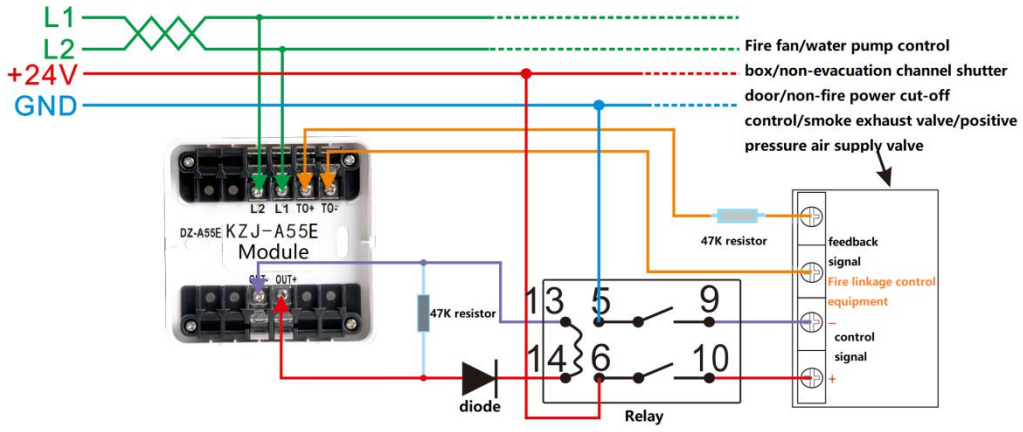
- **Input normally open line wiring diagram (constant output) schematic diagram**



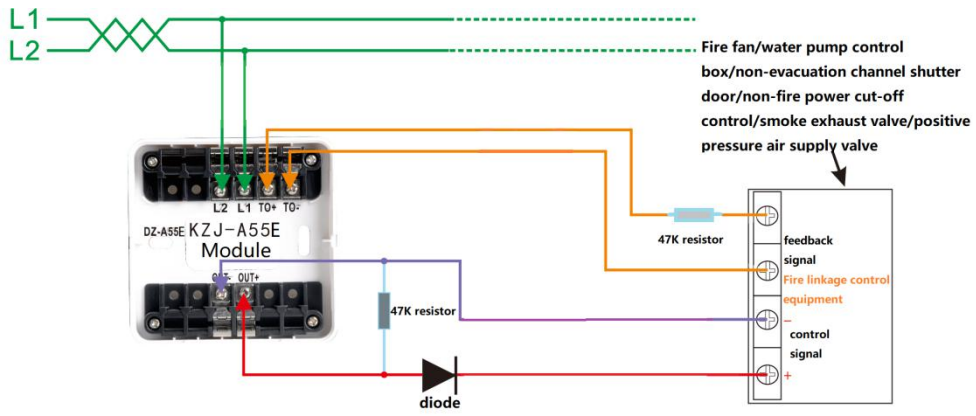
- **Input normally open line wiring diagram (pulse output) schematic diagram**



- **Input normally closed inspection line wiring diagram (constant output) schematic diagram**

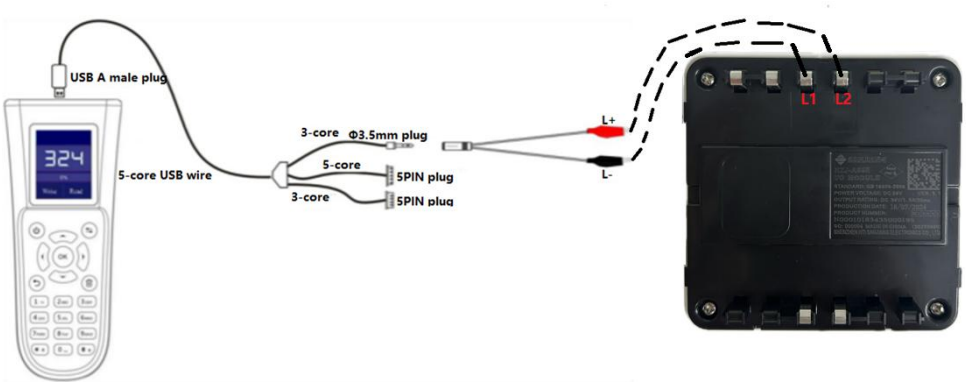


- **Input normally closed detector wiring diagram (pulse output) schematic diagram**



Coding wiring instructions:

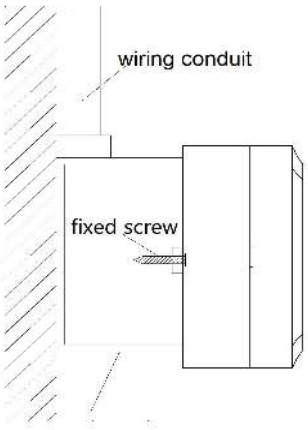
Module address coding： Clamp the output end of the encoder to the rear cover L1 and L2 (regardless of polarity) as shown in Figure 1, adjust the encoder to the encoding function, and press the "Run" key to complete the address encoding after entering the correct address number; (Note: The encoder will emit a "drop" sound when the encoding is complete, please refer to the encoder manual for detailed operation).



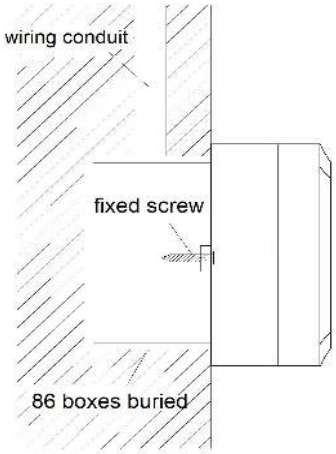
Module working mode setting: The working mode of the module can be set through the encoder according to different application scenarios on site. When setting the working mode, the upper output end of the encoder should be clipped to the L1 and L2 pins of the rear cover (regardless of polarity), and then the encoder should be switched to the module function mode setting, input the corresponding working mode code is in the following table, and press "Run" to set the module.

Output Patterns	Input mode	Mode Code	Applied load resistance
Pulse Output	Input normally open line -- Standard mode	01	Add one 47kΩ resistor to each input and output end
	Input normally closed check line -- Standard mode	02	Add one 47kΩ resistor to each input and output end
	Input normally open check line --(production test mode)	03(Factory default)	None
	Input normally closed test line --(production test mode)	04	Add a 47kΩ resistor to the input end
Constant Output	Input normally open line -- Standard mode	11	Add one 47kΩ resistor to each input and output end
	Input normally closed check line -- Standard mode	12	Add one 47kΩ resistor to each input and output end
	Input normally open check line --(production test mode)	13	None
	Input normally closed test line --(production test mode)	14	Add a 47kΩ resistor to the input

Installation Instruction



Embedded box wall-mounted installation diagram



Embedded box hidden installation diagram

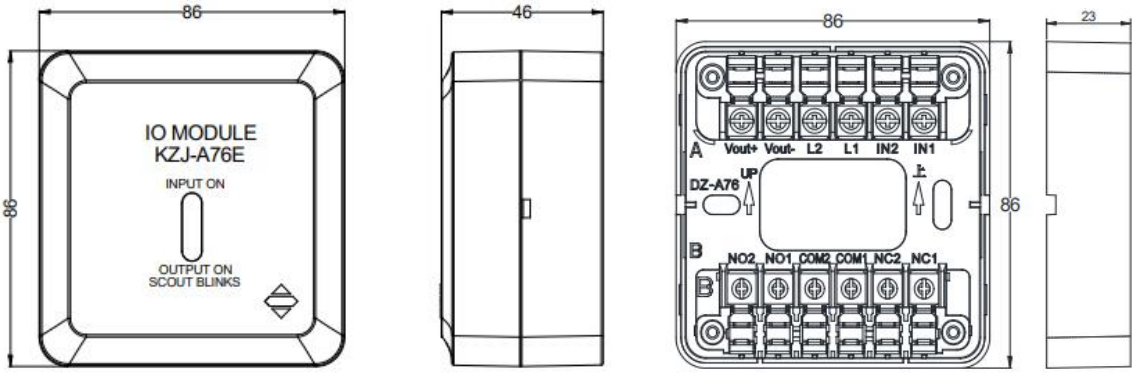
7.4 KZJ-A76E Addressable Input/Output Module



Technical parameters :

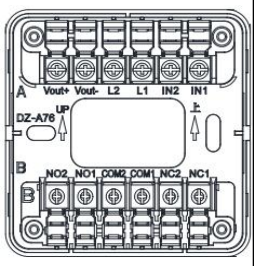
- Operating voltage:Loop 24V
- Operating current: monitor status: ＜ 1mA, alarm status: ＜ 20mA
- Working indicator : Red indicator light (bright in normal monitoring state, always bright in action)
- Output capability:1A@250VAC, up to 300W with broadcast load; relay passive output
- Output mode: Current: <50mA; Voltage: DC24V (Note: The actual voltage is affected by the bus voltage drop)
- Input mode: Input normally open line, input normally closed line
- Product weight：about 158g（with base）
- Housing material：ABS，white
- Dimensions：86 mm×86 mm×46 mm（with base）
- Wiring method：Non-polar two-bus(L1/L2)
- Operating environment：indoor，temperature:-10 ℃—+50 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：Electronic coding, occupies 1 address, can be set anywhere between 1 and 324
- Base：DZ-A76E

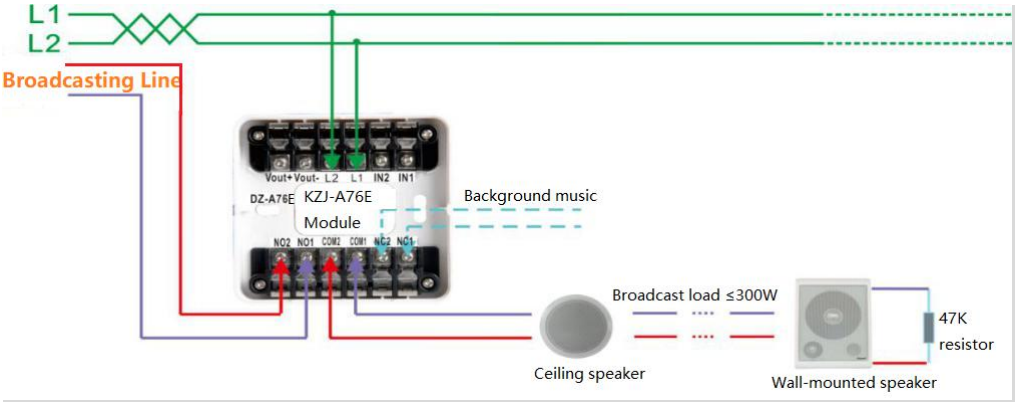
Appearance and dimensions（Unit：mm）



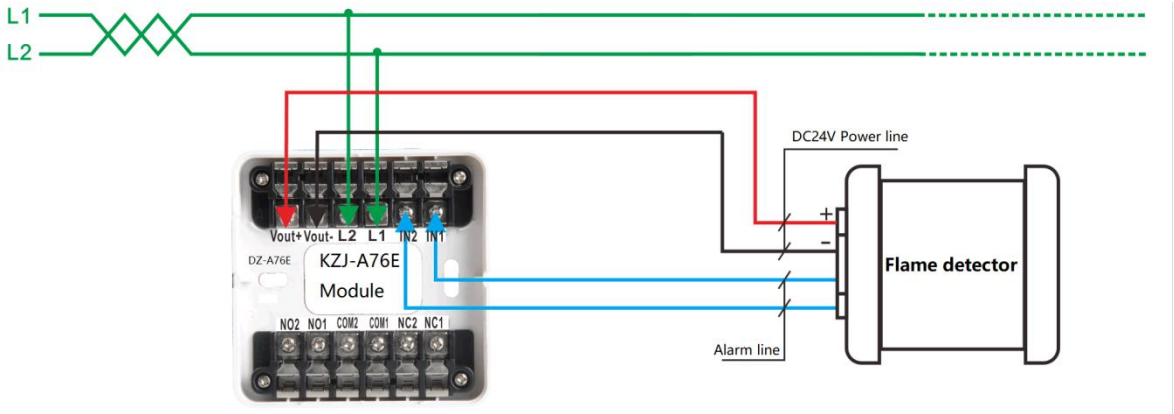
Terminal description:

Identification	Description
Vout+、Vout-	External power supply (DC24V) output terminal
L1、L2	Loop access terminal (non-polar wiring）
IN1、IN2	Passive feedback input port (non-polar wiring broadcast mode is invalid)
NC1、NC2	Relay normally closed contact
NO1、NO2	Relay normally open contact
COM1、COM2	Relay common output port





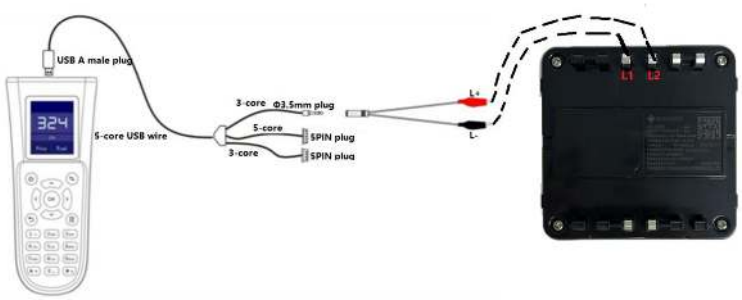
Broadcast connection diagram



Flame detector wiring diagram

Coding wiring instructions:

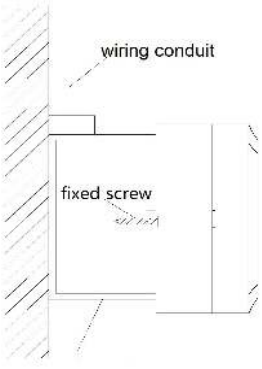
Module address coding： Clamp the output end of the encoder to the rear cover L1 and L2 (regardless of polarity) as shown in Figure 1, adjust the encoder to the encoding function, and press the "Run" key to complete the address encoding after entering the correct address number; (Note: The encoder will emit a "drop" sound when the encoding is complete, please refer to the encoder manual for detailed operation).



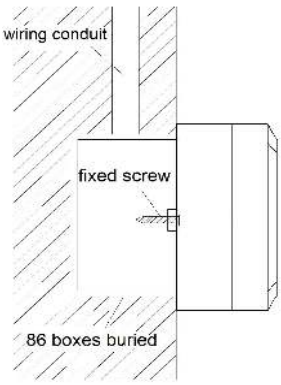
Module working mode setting: The working mode of the module can be set through the encoder according to different application scenarios on site. When setting the working mode, the upper output end of the encoder should be clipped to the L1 and L2 pins of the rear cover (regardless of polarity), and then the encoder should be switched to the module function mode setting, input the corresponding working mode code is in the following table, and press "Run" to set the mode.

Mode setting	Mode specification	Mode code	Applied load resistance
Mode 1 broadcast module	Broadcast module standard mode	01	Output end: 47k Ω ; Input invalid
Mode 2-broadcast module	Broadcast module (production mode)	02(factory default)	none
Mode 3-input and output module	Normally open input line standard mode	11	Input: 47kΩ Output:47kΩ
Mode 4-input and output module	Normally closed input line standard mode	12	Input: 47kΩ Output:47kΩ
Mode 5-input and output module	Normally open input line (production mode)	13	none
Mode 6-input and output module	Normally closed input line (production mode)	14	Input: 47kΩ Output:47kΩ

Installation Instruction



Embedded box wall-mounted installation diagram



Embedded box hidden installation diagram

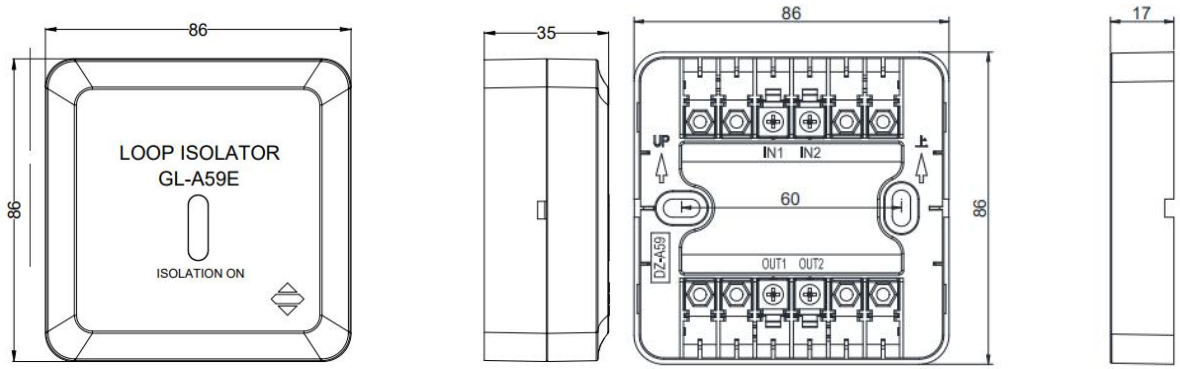
7.5 GL-A59E Short Circuit Isolator



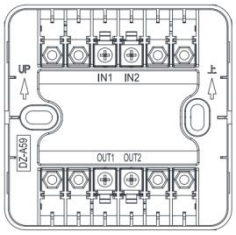
Technical parameters :

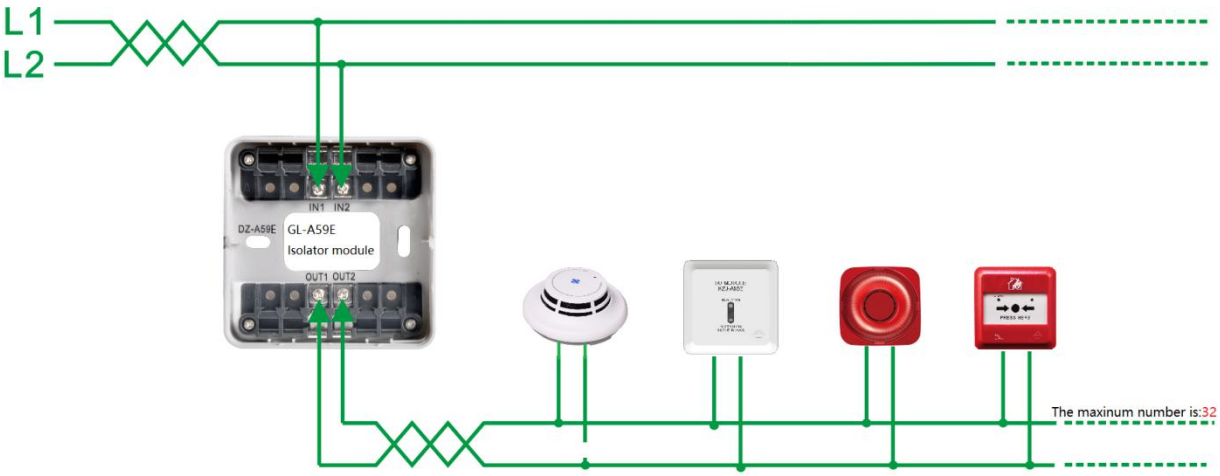
- Operating voltage:Loop 24V
- Operating current: monitor status: ＜ 2.5mA, alarm status: ＜ 15mA
- Protection current: Choose between two levels, > 400mA or > 1200mA
- Working indicator : Red indicator light (normal monitoring state is not on, the action is always on)
- Product weight：about 125g（with base）
- Housing material：ABS，white
- Dimensions：86 mm×86 mm×41 mm（with base）
- Wiring method：Non-polar two-bus (L1,L2)
- Operating environment：indoor，temperature:-10 ℃—+50 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：No code required
- Base：DZ-A59E

Appearance and dimensions（Unit：mm）

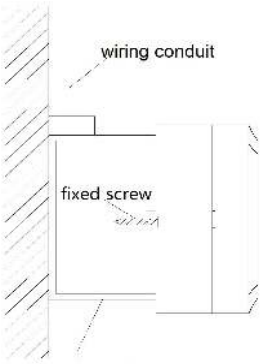


Terminal description:

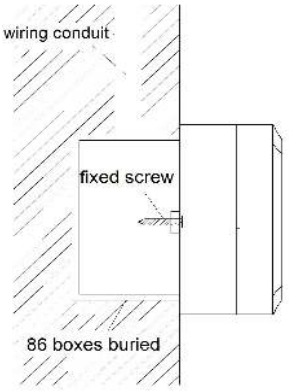
Identification	Description	
IN1/IN2	Loop input (non-polar)	
OUT1/OUT2	Loop output (non-polar)	



Installation Instruction



Embedded box wall-mounted installation diagram



Embedded box hidden installation diagram

8. Sounder Visual Indicator Series

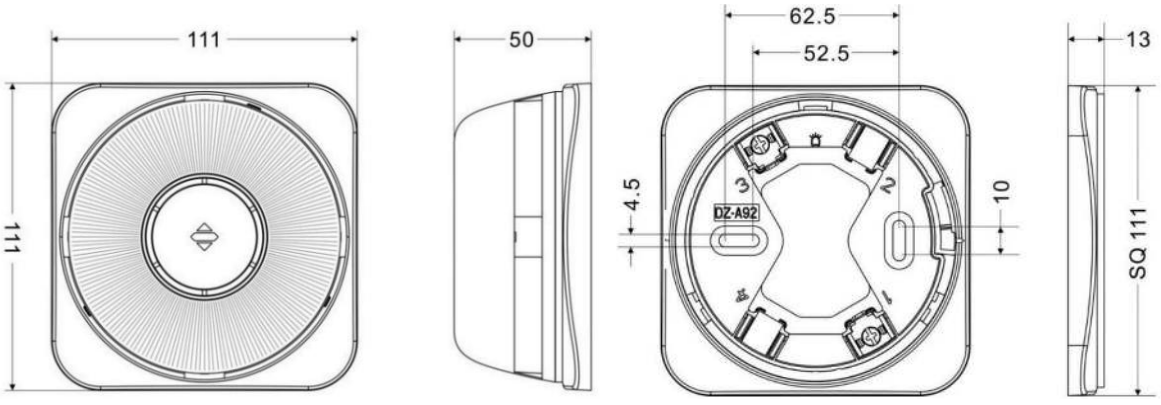
8.1 SG-A92E Addressable Sounder Strobe



Technical parameters :

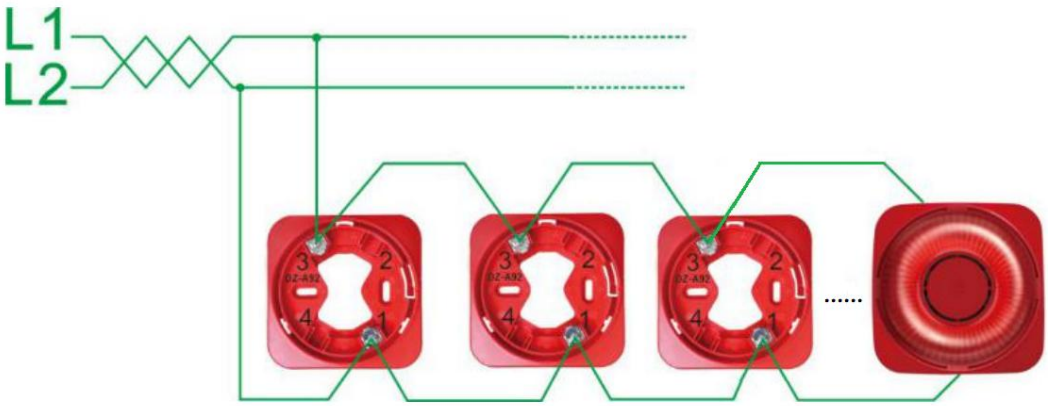
- Operating voltage:Loop 24V
- Operating current:monitor status: ＜1mA，Alarm Status ＜ 8mA
- Working indicator:Shiny during inspection, always bright in action
- Flash frequency: 1 Hz to 1.5 Hz
- Alarm volume: 80 dB - 100 dB
- Product weight：about 130g（with base）
- Housing material：ABS，red
- Dimensions：111 mm×111 mm×50 mm（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：Electrical coding via encoder, address code 1-324 optional
- Base：DZ-A92E

Appearance and dimensions（Unit：mm）

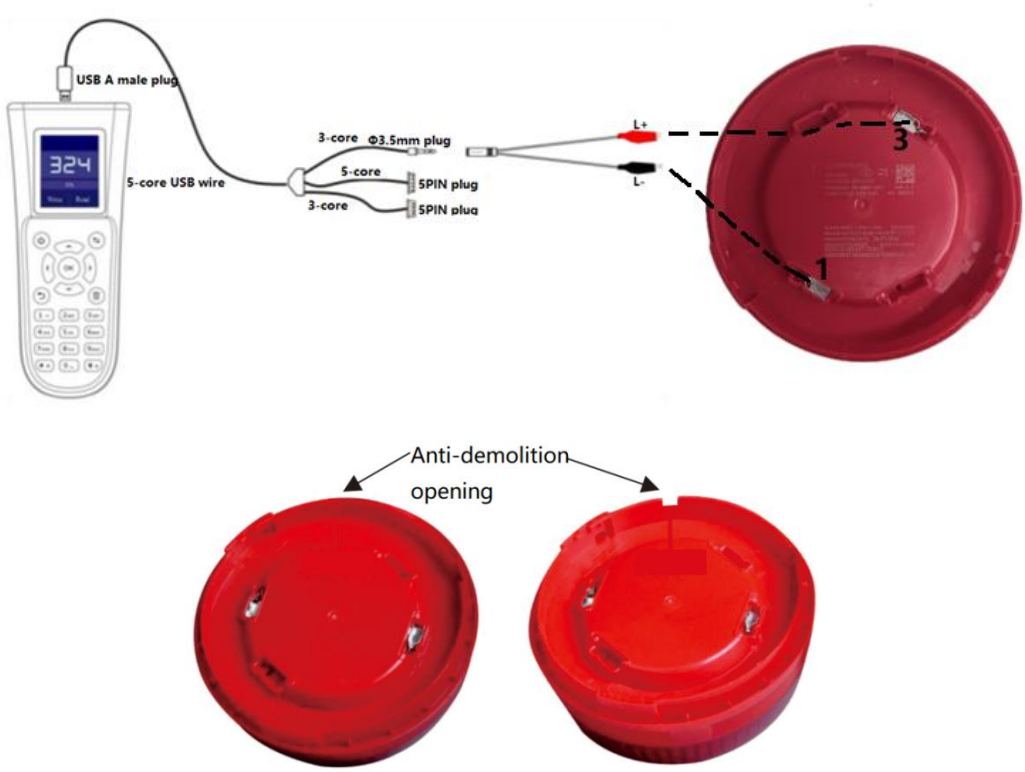


Terminal description:

Identification	Description	
1/3	Signal terminal(L1/L2)	
2/4	Null	



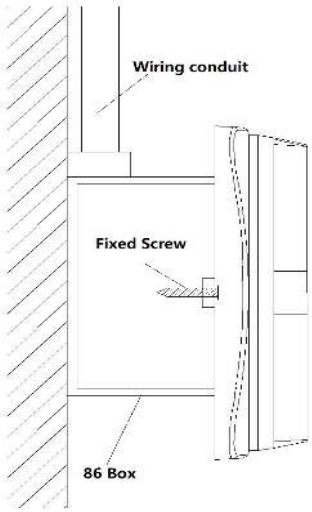
Coding address: As shown in Fig.4, connect the audible and visual alarm through the matching base on the encoder (the matching base for encoding is DZ-A10), L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "Run" button to complete the address code setting. (Note: Please refer to the encoder manual for coding details)



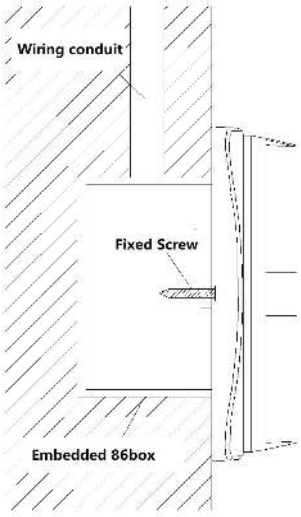
Mode coding: The working mode of the audible and visual alarm is set by the encoder, and the wiring method is the same as the address coding. After the correct connection, adjust the encoder to the "99A" coding mode, and select the corresponding mode code to set the required working mode according to the following table, press the "Run key" to complete the mode coding setting. (Note: Please refer to the encoder manual for coding details)

Mode code	Function description
01	Audible and visual alarm (factory default Settings)
02	Audible alarm (does not flash)
03	Flash alarm (no sound)
08	Intelligent Audible and visual alarm (factory default Settings)
09	Common audible and visual alarm

Installation Instruction



Embedded box wall-mounted installation diagram



Embedded box hidden installation diagram

9. Explosion-proof series of terminal products

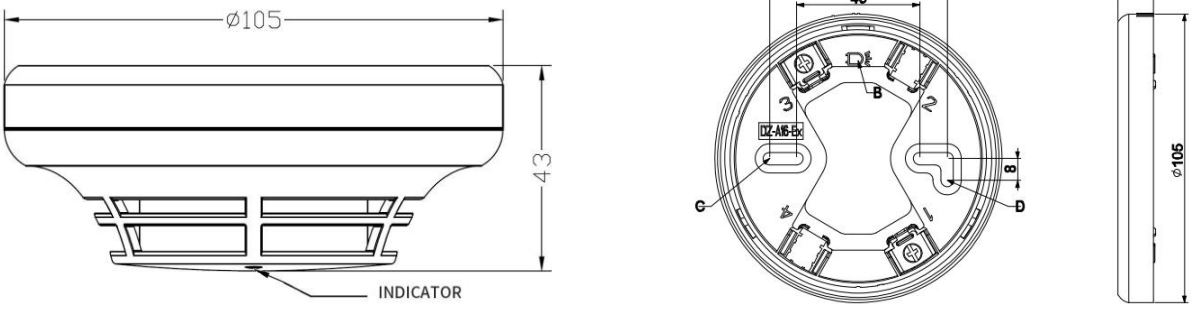
9.1 JTY-GD-A30E-Ex Addressable Intrinsically Safe Smoke Detector



Technical parameters :

- Operating voltage:Loop 24V
- Operating current:monitor status:<400uA，Alarm Status ＜1mA
- Working indicator:Monitoring colour indicator light, warning colour indicator light always on
- Product weight：about 105 g（with base）
- Protection class: IP20
- Housing material：ABS，white
- Wiring method：Non-polar two-bus（L1、L2）
- Explosion-proof mark: Ex db ib IIC T6 Gb
- Installation height: ≤12m
- Applicable explosion environment: Zone 1, Zone 2
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Surface preservation:About 60m ² , please refer to the relevant provisions of GB50116-2013 "Code for Automatic Fire Alarm System
- Encoding：The encoder can be coded in the field, and the address range is 1~324
- Base：DZ-A16E-Ex

Appearance and dimensions（Unit：mm）

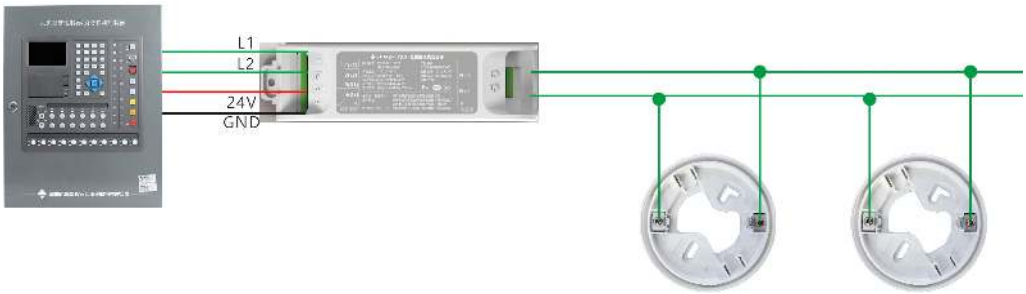


Note：B — Detector light
C、D — fixed orifice（M4 screw）

Terminal description:

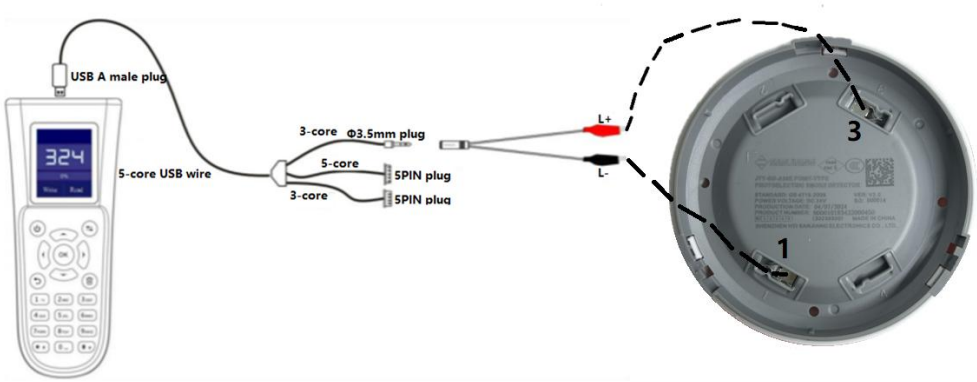
Identification	Description	
1	Signal Terminal L1	
2	Null	
3	Signal Terminal L2	
4	Null	

Wiring diagram of multi-wire linkage unit :

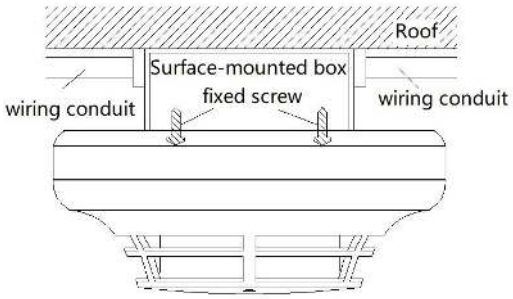


Address coding

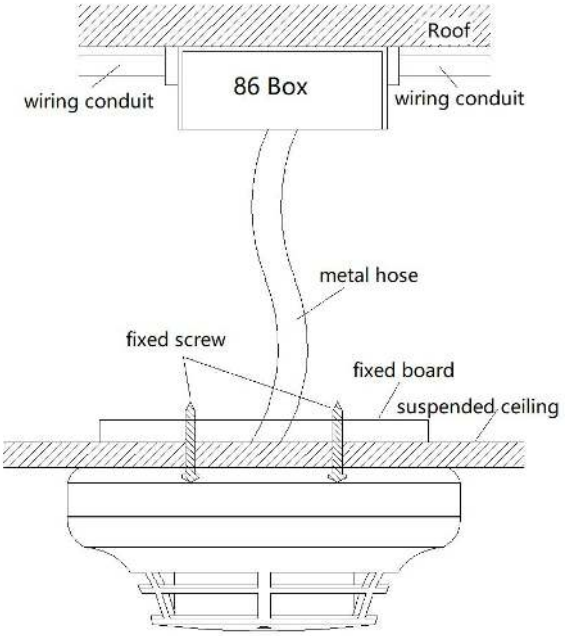
Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction



Installation diagram of detector embedded box



Detector ceiling installation diagram

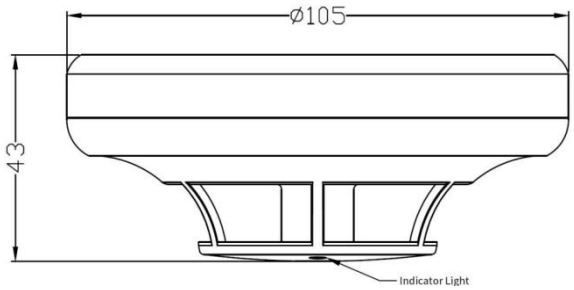
9.2 JTW-ZD-A20E-Ex Addressable Intrinsically Safe Heat Detector

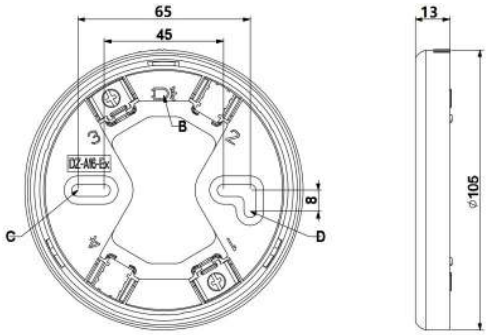


Technical parameters :

- Operating voltage:Loop 24V
- Operating current:monitor status:<300uA，Alarm Status ＜1mA
- Explosion-proof mark: Ex ib IIC T6 Gb
- Working indicator:Monitoring colour indicator light, warning colour indicator light always on
- Explosion-proof parameters: Ui=28V, Ii=118mA, Ci≈0uF, Li≈0mH, Pi≈0.8W
- Safety gate parameters: Um: 250V, Uo: 28V, Io: 118mA, Po: 0.8W, Co: 0.083μF, Lo: 4mH
- Product Category: A2R
- Suitable for explosive environment: It is suitable for dangerous places in Zone 1 and Zone 2 which contain explosive mixture of combustible gas or vapor formed with air of Class II A, B and C class T1~T6
- Product weight：about 98 g（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Operating environment：indoor，temperature:-10 ℃—+50 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：The encoder can be coded in the field, and the address range is 1~324
- Base：DZ-A16E-Ex

Appearance and dimensions（Unit：mm）





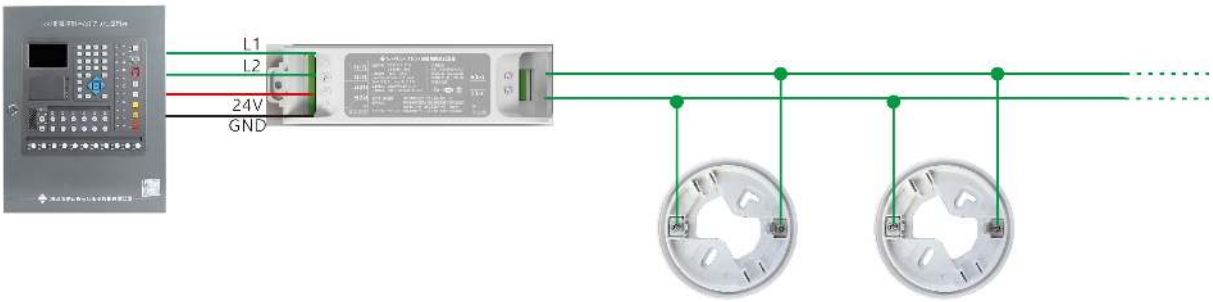
Note：B — Detector light
C、D — fixed orifice（M4 screw）

Terminal description:

Identification	Description
1	Signal Terminal L1
2	Null
3	Signal Terminal L2
4	Null

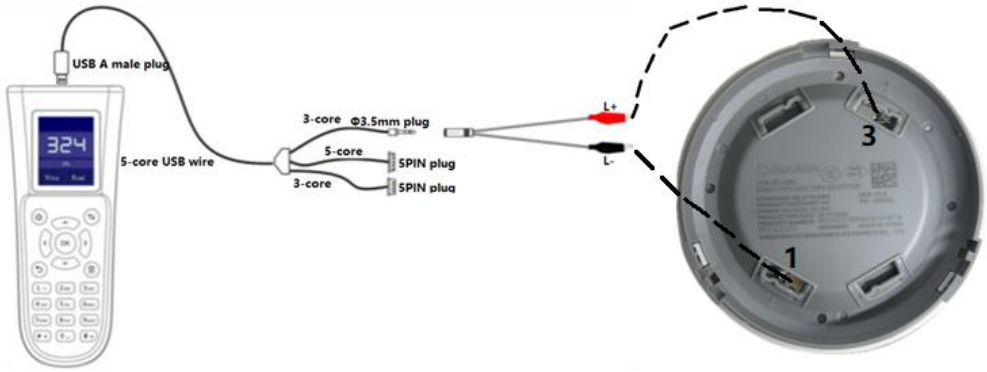


Wiring diagram of multi-wire linkage unit :

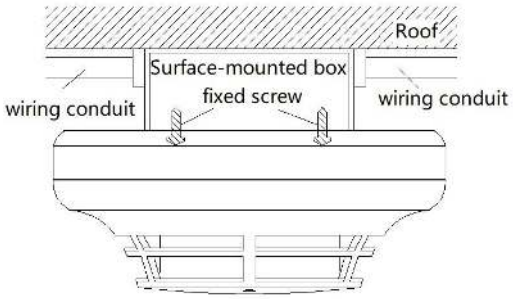


Address coding

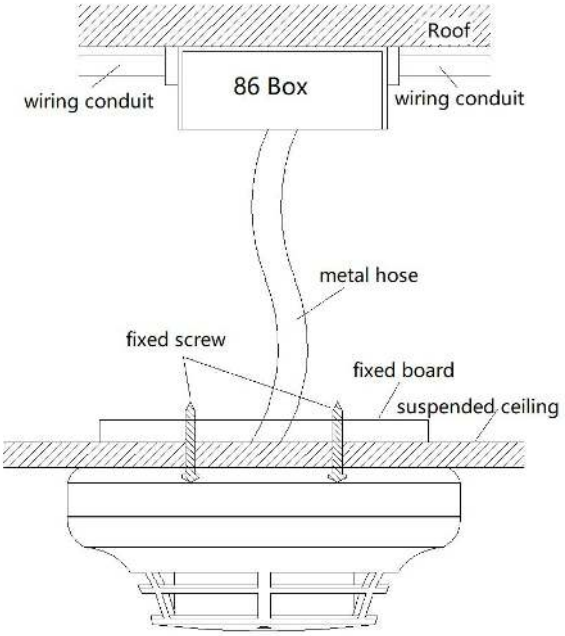
Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction



Installation diagram of detector embedded box



Detector ceiling installation diagram

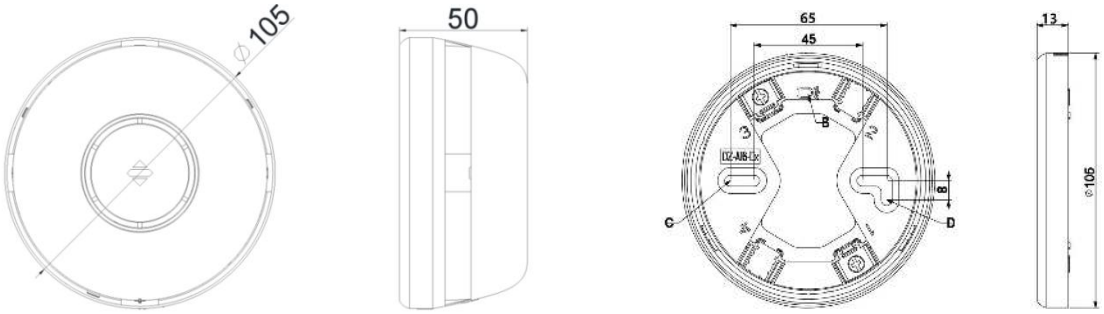
9.3 SG-A92E-Ex Addressable Intrinsically Safe Sounder Strobe



Technical parameters :

- Operating voltage:Loop 24V
- Operating current:monitor status:<300uA，Alarm Status ＜10mA
- Explosion-proof mark: Ex ib IIC T6 Gb
- Working indicator:Monitoring colour indicator light, warning colour indicator light always on
- Explosion-proof parameters: Ui=28V, Ii=118mA, Ci≈0uF, Li≈0mH, Pi≈0.8W
- Safety gate parameters:Um: 250V，Uo：28V，Io：118mA，Po：0.8W，Co：0.083μF，Lo：4mH；
- tone change period: 3.5s to 5.0s
- Flash frequency: 1.0Hz to 1.5Hz
- Alarm volume: 70dB ~ 100dB
- Suitable for explosive environment: Is suitable for indoor (non-residential) explosion-proof sites in Zone 1 and Zone 2 containing explosive mixtures of combustible gases or vapors formed by groups T1~T6 of Class II A, B and C
- Product weight：about 145 g（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Encoding：The encoder can be coded in the field, and the address range is 1~324
- Base：DZ-A16E-Ex

Appearance and dimensions（Unit：mm）

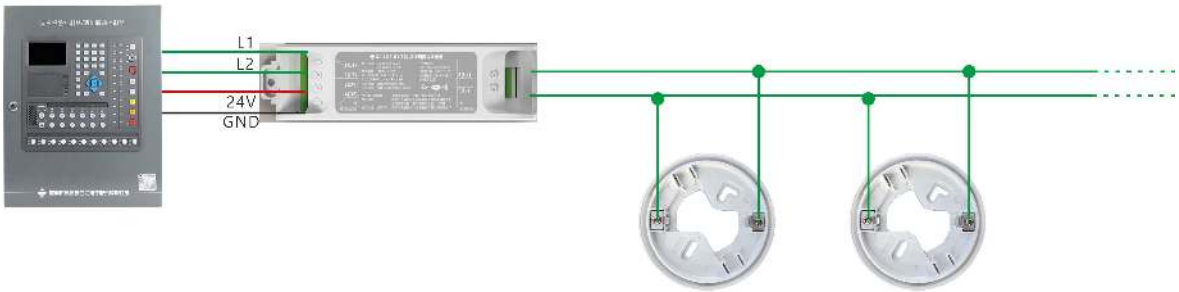


Note：B — Detector light
C、D — fixed orifice（M4 screw）

Terminal description:

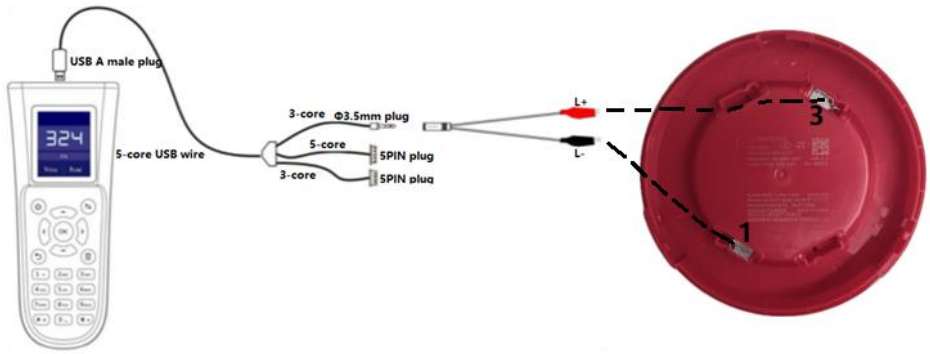
Identification	Description	
1	Signal Terminal L1	
2	Null	
3	Signal Terminal L2	
4	Null	

Wiring diagram of multi-wire linkage unit :

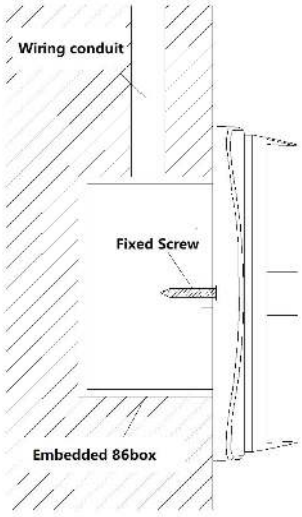


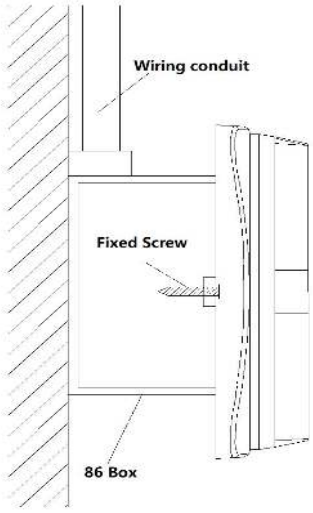
Address coding

Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction:





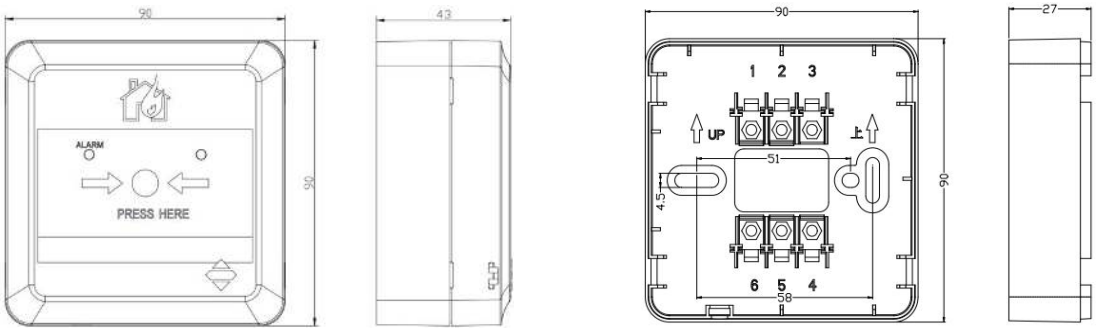
9.4 J-SAP-M-A62E-Ex Addressable Intrinsically Safe Manual Call Point



Technical parameters :

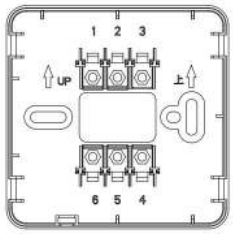
- Operating voltage:Loop 24V
- Explosion-proof mark: Ex ib IIC T6 Gb
- Operating current:monitor status:<300uA，Alarm Status ＜1mA
- Explosion-proof parameters:Ui=28V，Ii=118mA，Ci≈0uF，Li≈0mH，Pi≈0.8W
- Safety gate parameters: Uo：28V ，Io：118mA ， Po：0.8W ，Co：0.083μF，Lo：4mH
- Output contact: Capacity 0.1A/30VDC, normally open contact
- Dimensions: 90×90×43 (mm) (with base)
- Suitable for explosive environment:Hazardous places in Zone 1 and Zone 2 containing explosive mixtures of combustible gases or vapors and air formed by Class II A, B, and C groups T1~T6
- Product weight：about 112 g（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Starting parts: reusable plastic press pieces, after starting can be manually reset with special tools
- Starting mode: Manually press the press
- Encoding：The encoder can be coded in the field, and the address range is 1~324
- Base：DZ-A60E-Ex

Appearance and dimensions（Unit：mm）

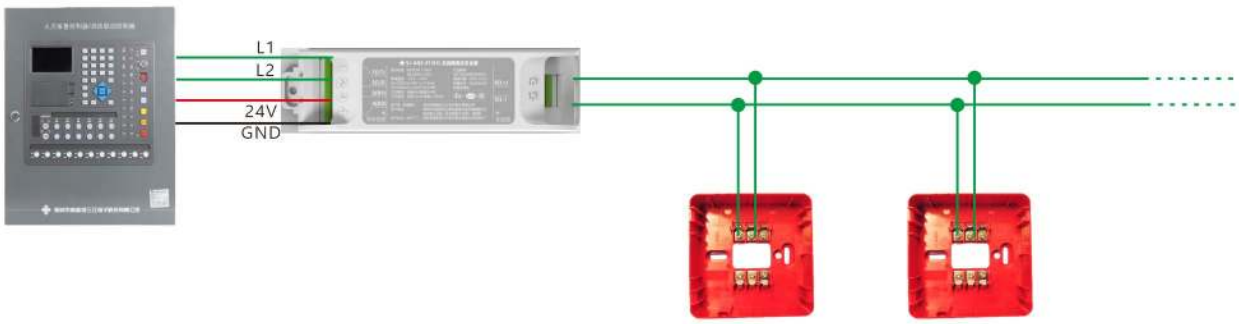


Note：B — Detector light
C、D — fixed orifice（M4 screw）

Terminal description:

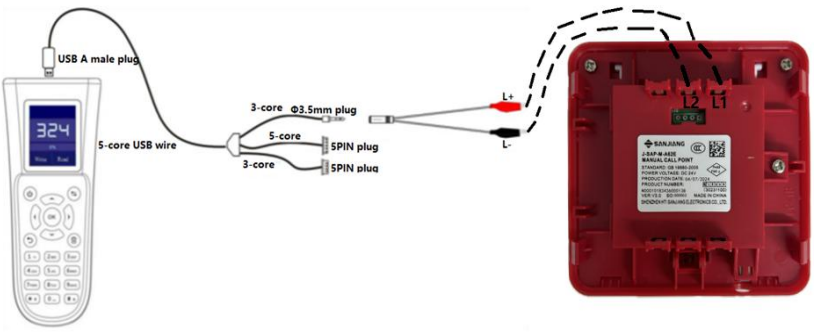
Identification	Description	
1、2	Signal Terminal L1,L2	
3	Normally open contact CON2 (closed to terminal 4 during operation)	
4	Normally open contact CON1 (closed to terminal 3 during operation)	
5、6	Reserved	

Wiring diagram of multi-wire linkage unit :

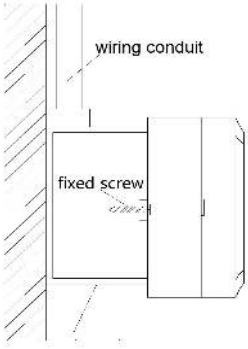


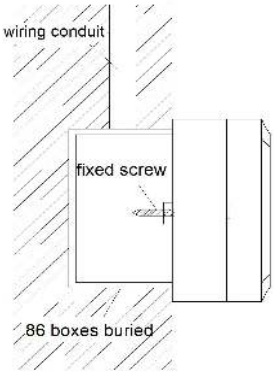
Address coding

Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction





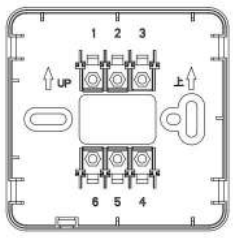
9.5 J-SAP-M-A63E-Ex-Addressable Intrinsically Safe Fire Hydrant Button



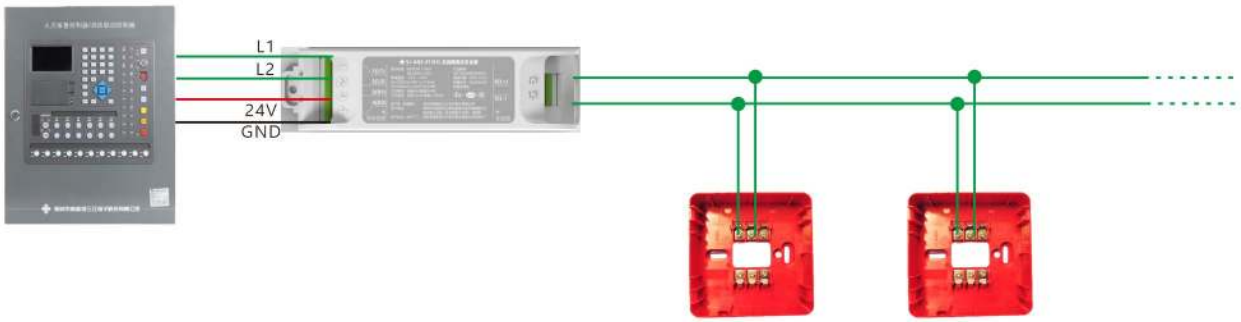
Technical parameters :

- Operating voltage:Loop 24V
- Explosion-proof mark: Ex ib IIC T6 Gb
- Operating current:monitor status:<300uA，Alarm Status ＜1mA
- Explosion-proof parameters:Ui=28V，Ii=118mA，Ci≈0uF，Li≈0mH，Pi≈0.8W
- Safety gate parameters: Uo：28V ，Io：118mA ， Po：0.8W ，Co：0.083μF，Lo：4mH
- Output contact: Capacity 0.1A/30VDC, normally open contact
- Dimensions: 90×90×43 (mm) (with base)
- Suitable for explosive environment:Hazardous places in Zone 1 and Zone 2 containing explosive mixtures of combustible gases or vapors and air formed by Class II A, B, and C groups T1~T6
- Product weight：about 112 g（with base）
- Wiring method：Non-polar two-bus（L1、L2）
- Operating environment：indoor，temperature:-10 ℃—+55 ℃，relative humidity≤95%（40 ℃±2 ℃ no condensation）
- Starting parts: reusable plastic press pieces, after starting can be manually reset with special tools
- Starting mode: Manually press the press
- Encoding：The encoder can be coded in the field, and the address range is 1~324
- Base：DZ-A60E-Ex

Terminal description:

Identification	Description	
1、2	Signal Terminal L1,L2	
3	Normally open contact CON2 (closed to terminal 4 during operation)	
4	Normally open contact CON1 (closed to terminal 3 during operation)	
5、6	Reserved	

Wiring diagram of multi-wire linkage unit :

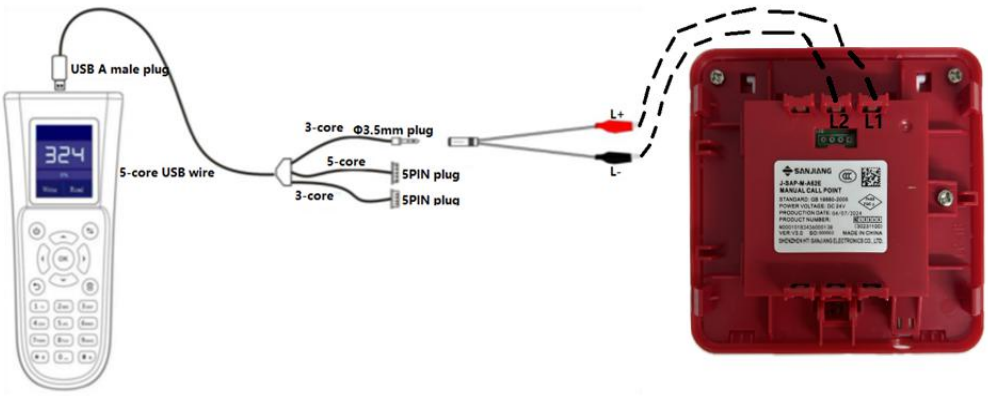


General use: The controller is connected to the safety grid in the safety zone, and the manual is connected to the safety grid through 1 and 2 ports in the danger zone.

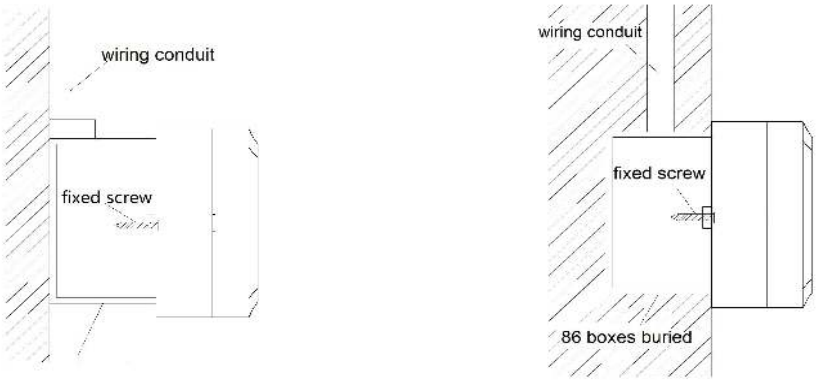
Extended use: the hydrant button 3, 4 ports can be used as switches, with a maximum 0.1A/30VDC load

Address coding

Connect the detector to the encoder through the detector base, L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "OK" key to complete the address coding setting.



Installation Instruction



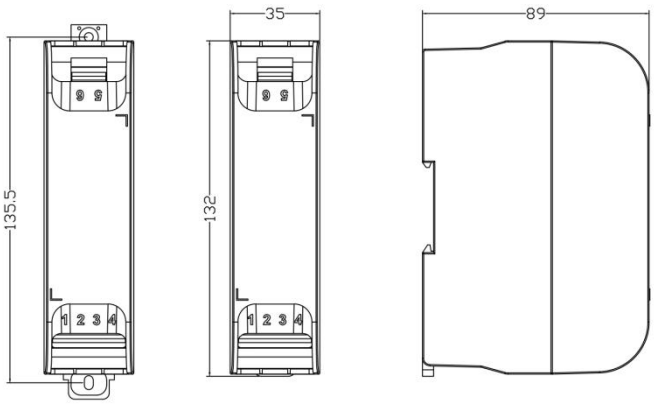
9.6 SJ-AQS-01E Bus-Isolated Barrier



Technical parameters :

- Operating voltage: Signal bus voltage: 24V; Allowed range: 15V to 36V,
  Power bus voltage: DC24V; Allowed range: DC15V to DC48V
- Operating current: Bus: current < 3mA; DC24V: Current < 150mA
- Device capacity: Up to 32 intrinsically safe coding devices can be configured
- Intrinsic safety parameter: Um: 250V Uo: 28V Io: 118mA Po: 0.8W
  Co: 0.083μF Lo: 4mH
- Operating environment: Temperature: -10℃ ~ +55℃, relative humidity ≤95%,
  (no condensation)
- Shell material: ABS
- Product weight: 150g
- Level of protection : IP30
- Installation hole spacing: 135.5mm
- Dimensions: 132mm×35mm×89mm

Appearance and dimensions（Unit：mm）



Terminal description:

Identification	Description	
L1、L2	Bus input, connected to control panel, non-polarity	
D1、D2	24V power input port, non-polar	
L+、L-	Bus output, connect to the terminal	

Wiring diagram of multi-wire linkage unit :

