〖Before installation and application of the product, please read the Instruction Manual for Installation and Application〗

Instruction Manual for Installation and Application of J-SAP-TCSB5264 Digital Manual Call Point

(Ver 1.1)

LIAONING·YINGKOU TIANCHENG FIRE PROTECTION EQUIPMENT CO., LTD.

I General

J-SAP-TCSB5264 Digital Manual Call Point (MCP) is installed in public places. When there is a fire, pressing the frangible element on this MCP can send fire signal to the fire alarm control panel. After receiving the signal, the control panel will show address information of the MCP and generate alarm sound. J-SAP-TCSB5264 can be connected to TC5000 series control panel, JB-TG-TC5000,JB-LT-TC 5200,JB-TB-TC5109,JB-TB-TC5120,JB-TB-TC5100,JB-QB-TC5162.

II Features

1. Plug-in structure. Simple and convenient installation.
2. Alarm by pressing, reset by a special key.
3. Microprocessor controls devices; digital signal communicates the fire alarm control panel. Stable and reliable work, good ability to inhibit electromagnetic interference.
4. Electronically addressed. The address can be modified in field. Easy and reliable for commissioning.

III Technical Specifications

1. Operating voltage Signal bus voltage: loop DC 24V （DC18.5V- DC26V）
2. Operating current

   Standby current: ≤ 0.2mA

   Alarm current: ≤ 0.8mA
3. Type of Initiating Part：Reusable
4. Initiating Mode：Pressing the frangible element manually
5. Resuming Mode：Manually resumed by a special key
6. Indicator

   Red. Flashes every 3s normally. Illuminates after alarming.
7. Programming mode

   Electronically addressed (address range: one address within 1~255).
8. Wiring

   Non-polarized signal two-wire
9. Operating environment

   Class: Type A ,indoor

   Temperature: -10°C～+55°C

   Relative Humidity: ≤95%, non-condensing

10. Dimension

Diameter: 95mm×95mm×44 mm (with base)

11. Material and color of enclosure: ABS; red

12. Weight: about 120g (with base)

13. Mounting hole distance: 60mm

14. Standard: EN54-11

IV Structure and Operation Principle

1. Appearance of the MCP is shown in Fig. 1.

2. Operation principle

Alarm mode is by pressing the frangible element. Self-locking is by mechanical structure, which can reduce rate of touching accidentally. The built-in single chip achieves alarm detection and communication function. The single chip containing EEPROM uses for storing address code, device type and other information. The address code can be modified in field by TCBM5023 Hand Held Programmer.

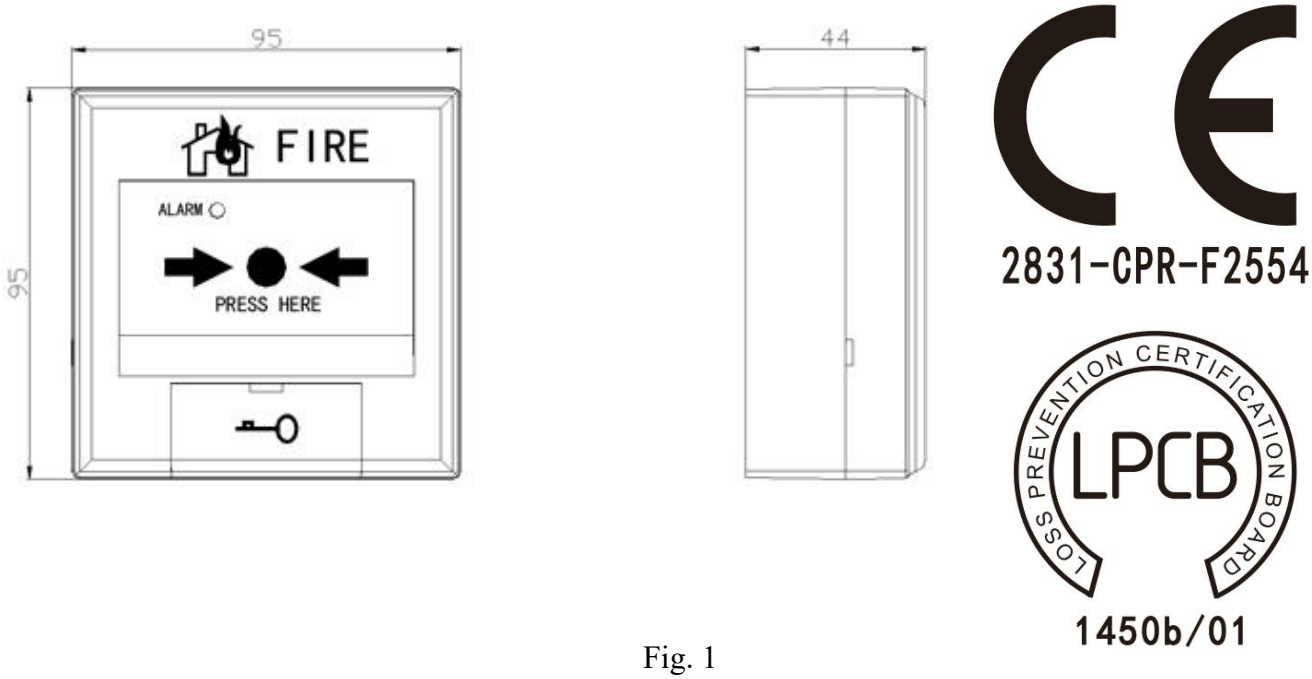

Fig. 1

V Mounting and Wiring

Warning: Before installation, please disconnect power from the loop and verify that all the bases are securely installed and the wiring polarity is correct at each base.

1. Before installing the MCP, check whether the enclosure is flawless and perfect, and symbols are

complete.

2. The MCP is mounted inside the wall. Unplug the point, put cables into the base's entrance hole and connect corresponding terminals. And then plug the point (shown in Fig. 2). The mounting hole distance is 60mm (shown in Fig. 3).

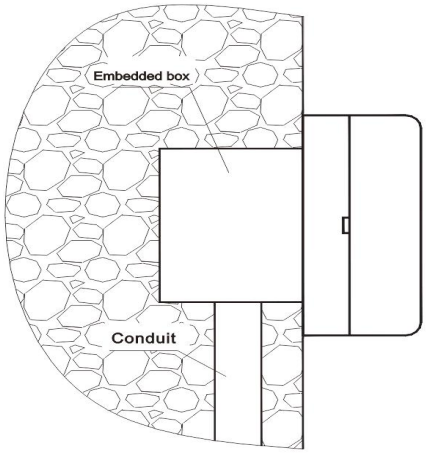

Fig.2

3. Terminals are shown in Fig. 3.

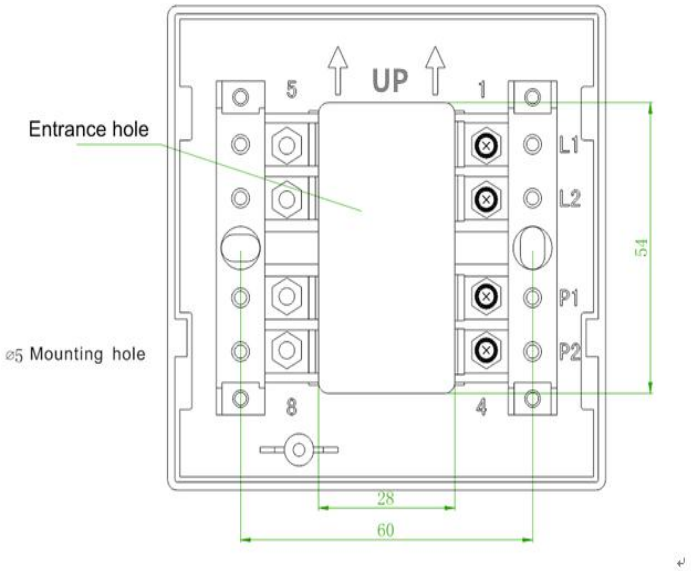

Fig. 3

Specification:

L (1), L (2): non-polarized signal 2-wire input

4. Wiring

1.0mm^2 or above fire cable, subject to local codes.

VI Testing

Before testing, please ensure that the detector has been installed correctly and powered up.

1. The MCP must be tested at least once a year after installation and put into operation.
2. Before testing, notify the proper authorities that the system is under maintenance and will temporarily be out of service. Disable the automatic controls relating to the zone or system under maintenance to avoid unwanted actions.
3. Press the frangible element, the red LED light, and the control panel displays the alarm address.
4. After testing, reset the MCP and notify the proper authorities that the system returns to normal state. Check whether the connection of unqualified MCP is normal and test it again. If it is still fail to pass, please return it to repair.

VII Fault and maintenance

1. Cannot address

   Check *Hand Held Programmer* and terminals or there is damage to the circuit.
2. Cannot register

   Check loop connection and loop voltage. Plug firmly or there is damage to the circuit.

VIII Application

1. Usage of the key: Vertically insert the key into the key-hole, and turn it clockwise, then push it with force. Turn the key back and poll it out when the frangible element is rebounded.
2. Connect directly L1 and L2 terminals with the loop of the fire alarm control panel, polarity-insensiti.

WEEE Information 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points

IX Limited Warranty

1. Tiancheng warrants that the product will be free of charge for repairing or replacing from defects in design,materials and workmanship during the warranty period.This warranty shall not apply to any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors or employees, is not in the position to amend the contents of this warranty. Please contact your local distributor for products not covered by this warranty.

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