TW3221(FosLink)

Wireless I/O Module

Feature and Benefits

1. Use FosLink wireless communication technology without wiring.
2. Built-in unique ID, which can network with the wireless transmission module and the fire alarm Controller.
3. With the battery undervoltage reminder function.
4. The input side may be set to normally open or normally closed mode.
5. The output signal type may be set to a level signal or a pulse signal.
6. Plug and pull type structure design, convenient and reliable installation.

Overview

The TW3221(FosLink) Wireless I/O Module (hereinafter referred to as the input / output module). It complies with the requirements of the national standard GB 16806-2006 Fire Control Linkage Control System and XF 1151-2014 General Requirements for Wireless Communication Function of Fire Alarm System. The passive fire fighting equipment with action signal output (such as smoke vent, air supply outlet, fire valve, etc.) is connected to the system through the module, and the product can transmit the linkage command of the controller to the controlled equipment, and then send the action feedback signal of the controlled equipment back to the controller. This product adopts pressing terminal structure, convenient construction and installation, generous and beautiful appearance, excellent performance of single chip machine, with strong analysis and judgment ability. This product can automatically detect the control line (open circuit, short circuit) and the feedback line (open circuit, short circuit) connected to the controlled equipment, and give the status indication through the indicator light and the signal terminal. In the case of power fluctuation, power failure and interference, the output action of the internal relay of the product will remain stable in the last action state, and will not affect the linkage state of the controlled equipment.

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Technical Specification

The main technical Specification of the controller are shown in the table.

Type	TW3221(FosLink)
Supply Voltage	DC3V
working current	Monitor current: <50uA Alarm current: <30mA
Communication mode	wireless communication
Wireless emission power	≤17dBm
Maximum communication distance	open space: 300m
Wireless communication frequency band	470～510MHz
Status indication of the wireless input / output module	Communication status: the output state indicator light is green flashing, and the flashing period is 80s once Fault status: the output status indicator light yellow light flashing, the flashing period is 80s once Output action: the output status indicator light is always red Enter the action: the input status indicator is always red Successful networking: green light 10S
Use environment	temperature-10℃ ~ + 55℃, relative humidity 95% RH, no condensation
Output end	
Input end	level signa normally open mode and normally closed mode (mode available)l or pulse signal (signal type is configurable)
Color	Pearl white
Weight	about 90g (with battery)
Overall Size	89mm 89mm 33mm (including base)
Implementation standard	GB 16806-2006 Fire Control Linkage Control System and XF 1151-2014 General Requirements for Wireless Communication Function of Fire Alarm System

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Names and Location

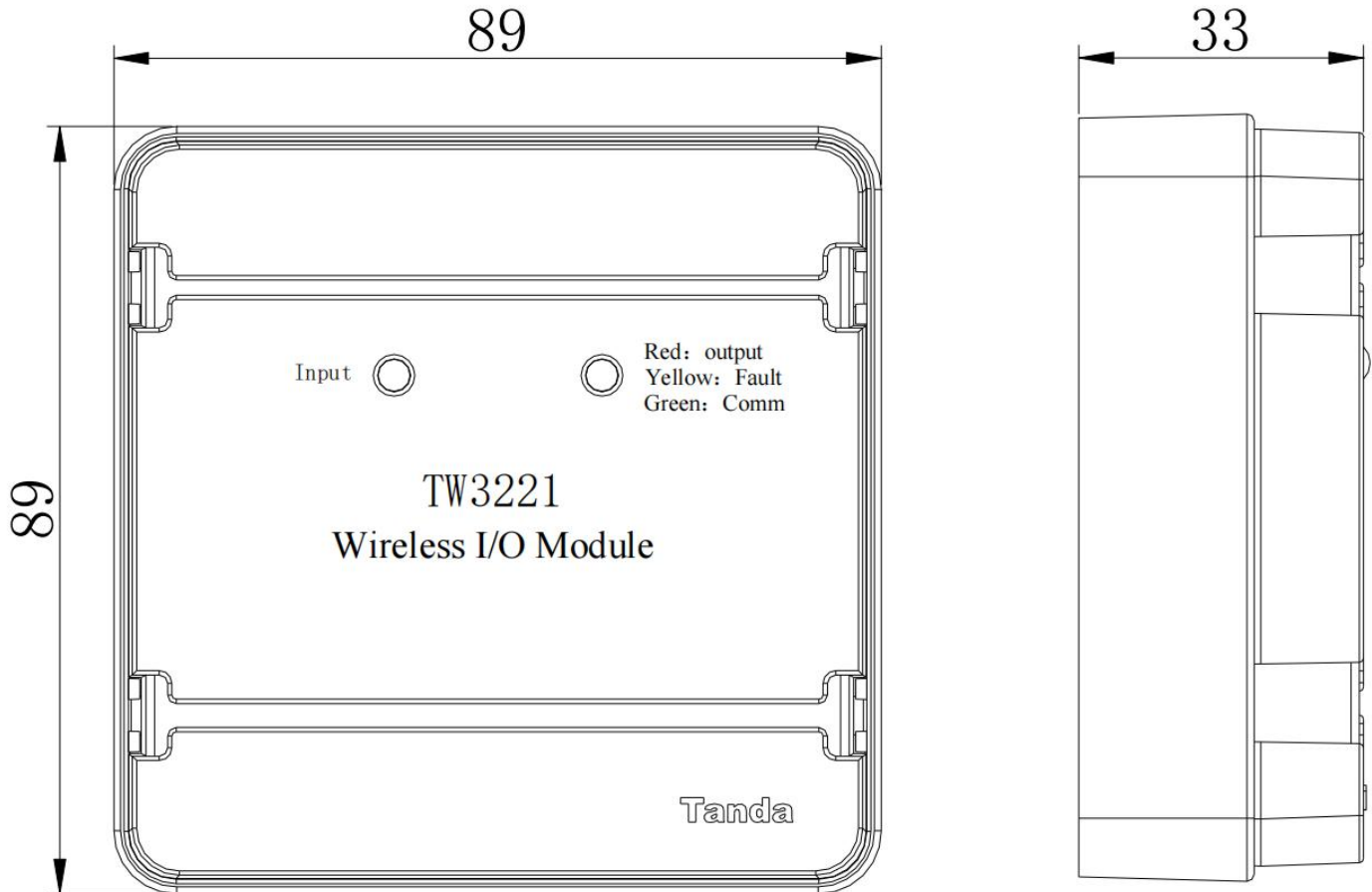1. Schematic diagram of wireless I / O module overall dimensions, as shown in Figure 1 (unit: mm)

Figure 1 Schematic diagram of wireless input/output module

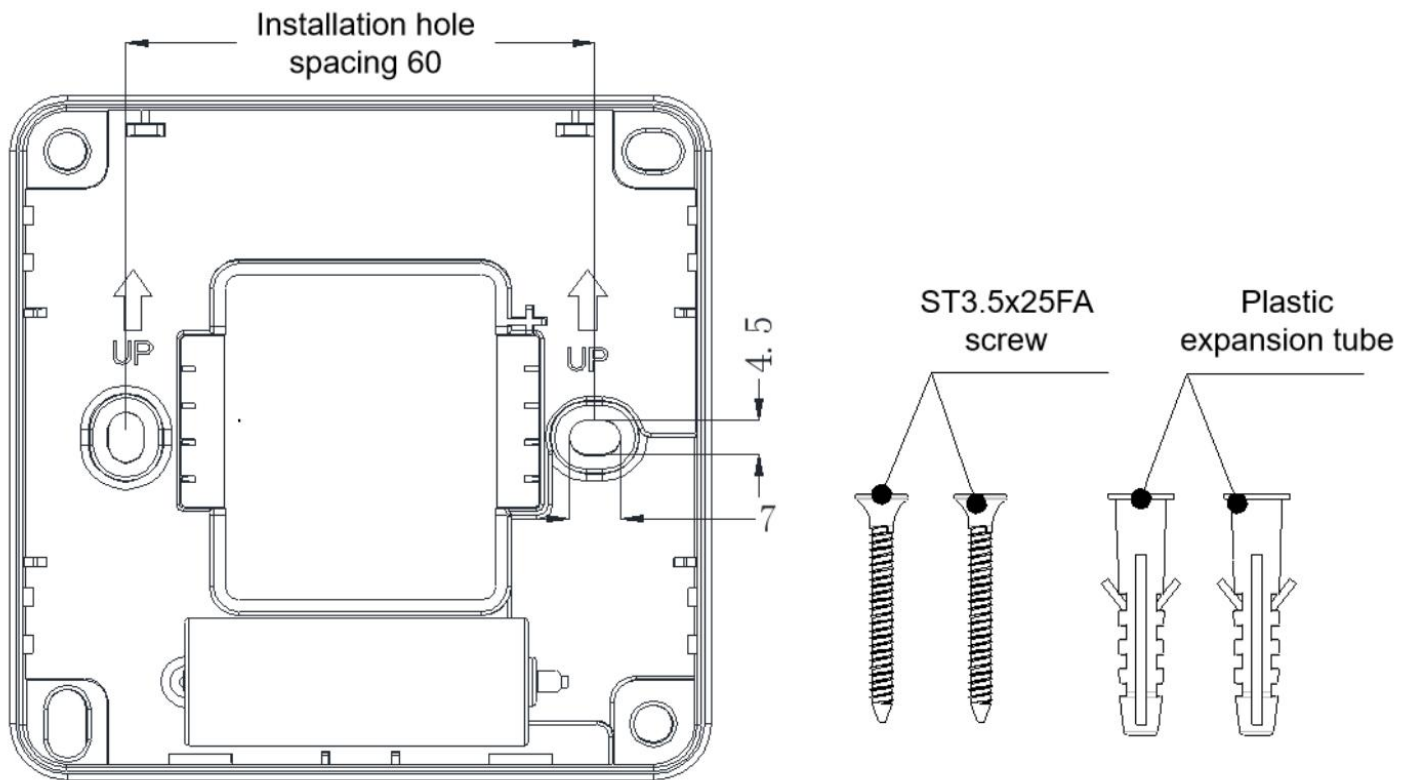2. Schematic of wireless I / O module base dimensions as shown in Figure 2 (unit: mm)

Figure 2 Wireless input/output module base and mounting accessories