User Manual Of Weatherproof Telephone JWAT304-305

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1. Overview

JWAT304-305 series waterproof telephone products are environmental high-tech products that have special requirements for moisture, fire, dust, and freeze prevention in combination with subways, highways, power plants, petrol stations, docks, steel companies, etc., and are an indispensable and extremely ideal product. Industrial communication products, which must be used with switches.

1.1 Product Features

1.1.1 The JWAT304-305 series waterproof phone case is made of aluminum alloy die-casting, which has good impact resistance and protection performance. The high-temperature powder on the surface is not electrostatically sprayed to prevent static electricity. The circuit board adopts the concept of integrated design, and integrates the basic call circuit and noise removal circuit in a machine. And preferably foreign well-known brand components. After high and low temperature testing, procurement and production, the circuit undergoes strict protection treatment, so that the environmental adaptability of the whole machine is further improved. The phone uses an anti-noise handle.

1.2 Application

1.2.1 This Weatherproof Telephone Is Very Popular For subways, highways, power plants, petrol stations, docks, steel companies and other environments that have special requirements for moisture, fire, noise, dust and frost.
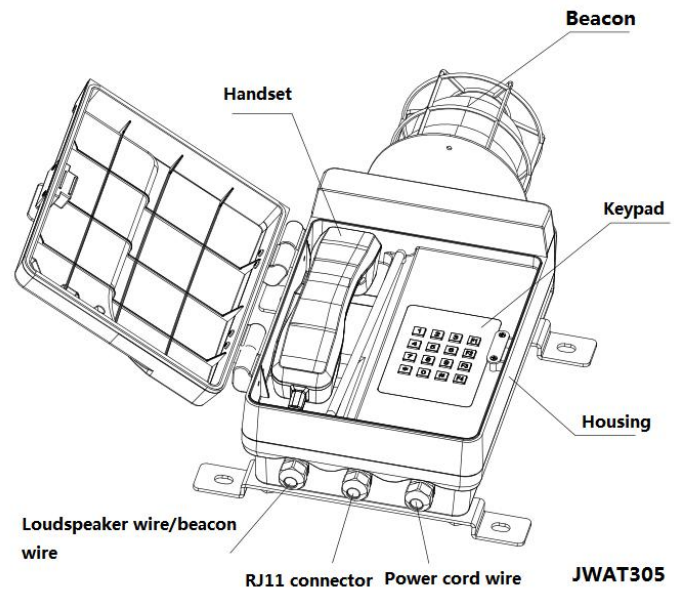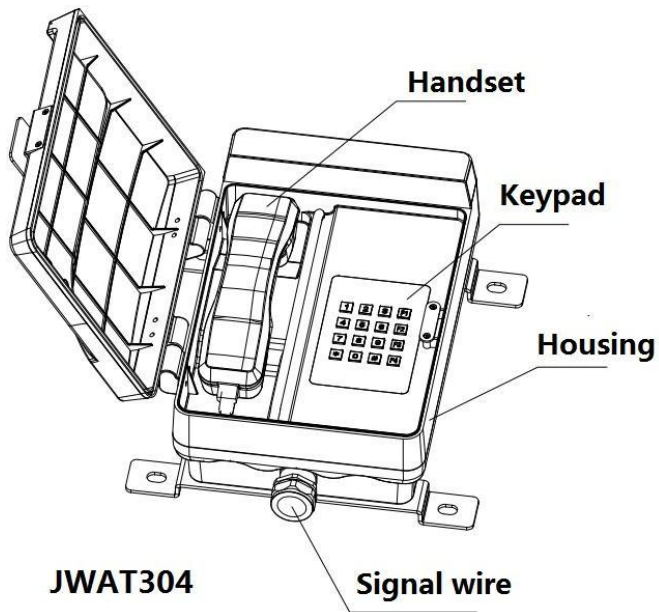
1.2.2 Ambient Temperature：-40°F～+140°F

1.2.3 Relative Humidity：≤95％（room temperature）

1.2.4 Atmospheric Pressure：80～110KPa

2. Product Structure Characteristics

2.1 The waterproof telephone is composed of two parts: the shell (including engineering plastic, waterproof keyboard, PC handle) and the double-sided integrated circuit motherboard (as shown in the figure below, the model without amplifier has no speaker cable).
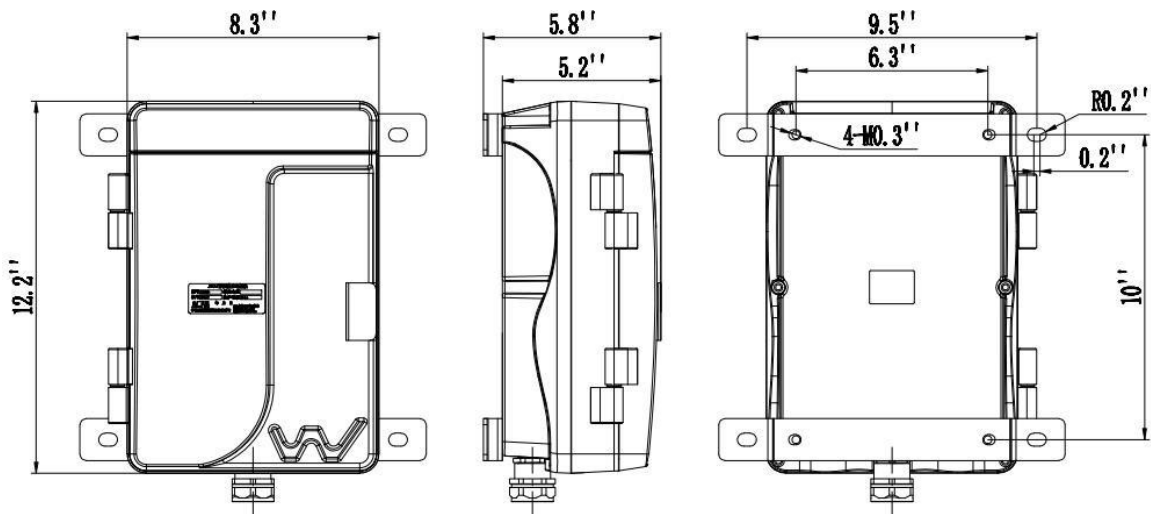
JOIWO

Handset

Keypad

Housing

JWAT304   Signal wire

Beacon

Handset

Keypad

Housing

Loudspeaker wire/beacon wire

RJ11 connector   Power cord wire   JWAT305

3. Technical Parameters

3.1 Standby, working current: 50mA, ≤2A

3.2 Amplification power supply voltage: AC100-240V/50-60Hz

3.3 Feeding voltage: DC48V

3.4 Frequency response: 300～3400 Hz

3.5 Loop impedance: 680Ω

3.6 Dialing level: -6～-8 db

3.7 Standard: DTMF

3.8 Distortion degree: ≤2%

3.9 Protection level: IP66

3.10 Size specifications: 12.2 "*8.3" *5.8"

3.11 Net weight: 11.5 LBS

3.12   Installation method: wall-mounted

4. Product Dimensions and Installation

4.1 product dimensions

4.2 Installation:

4.1.1 Use the delivered M8 screws to lock the mounting bracket to the back of the case. The screws must be locked and the bracket direction cannot be reversed, as shown in Figure

4.1. 2. Measure the hole position of the bracket at the installation position, and then use the expansion screw to fix the phone to the position to be installed. Pay attention to the level when drilling the hole, otherwise the cover will automatically open and close after installation. Easy to pinch your hands when in use.
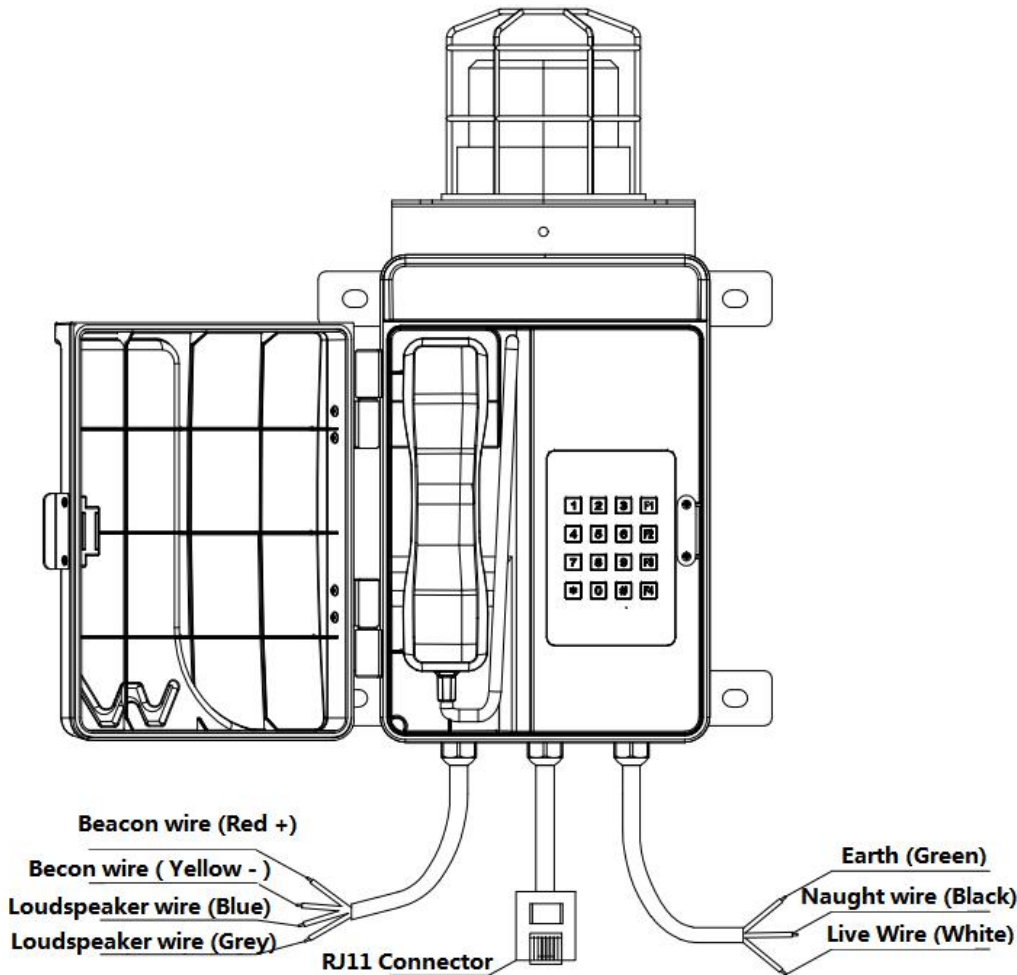
4.3 Telephone wiring: (JWAT305)

1. The four-core wire connection of the loudspeaker and warning light: the horn wire UL2464 4*18AWG is connected to the two wires of the waterproof horn through the terminal block in the waterproof junction box. The horn wire is not divided into wire sequence and color. Please note that there should be no copper wire when connecting. Exposed, the terminal screw must be locked tightly and not locked to the insulated wire.

1.1 Waterproof police light wire connection: The police light wire UL2464 4*18AWG is connected to the two wires of the waterproof speaker through the terminal block in the waterproof junction box. The wiring sequence and color of the police light wire (red positive and yellow negative), pay attention to the wiring. The copper wire is exposed, and the terminal screw must be locked tightly and not locked to the insulated wire.

2. Signal line connection: The RJ11 crystal plug has been suppressed when the telephone line leaves the factory. You can use the adapter to connect in the junction box, or cut off the crystal plug and connect it directly in the junction box with the system telephone line through the terminal. Note, use it when connecting There are two wires in the middle of the telephone line, and the two wires on both sides are not connected to the phone. Don't connect them wrongly to prevent the phone from not working.
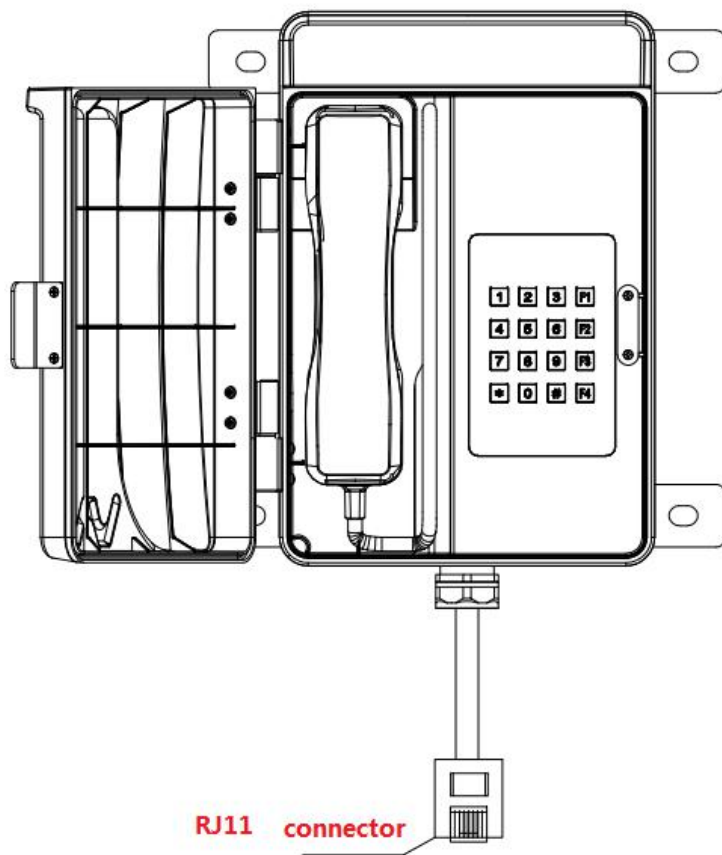
3. Power cord connection: The power cord adopts UL2464 3*18AWG cable, the green wire is the Earth wire, which must be effectively grounded during installation, and the Black is Naught wire,the white is Live Wire. It is connected to the AC220V AC power supply through the terminal block in the waterproof junction box. Pay

attention to the wiring There should be no exposed copper wires, and the terminal screws should be locked tightly and not locked to the insulated wire.

Beacon wire (Red +)
Becon wire (Yellow -)
Loudspeaker wire (Blue)
Loudspeaker wire (Grey)

RJ11 Connector

Earth (Green)
Naught wire (Black)
Live Wire (White)

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RJ11 connector

5. How to Use

5.1 How to use JWAT304, JWAT305:

The telephone is connected to a host system, and the number of the phone is determined according to the rules and lines of the host system, and the actual allocation shall prevail.

5.1.1 How to make a call

Normal dial

Type the number keys directly on the keyboard to dial the required number.

Redial: After normal dialing, go off-hook once and type the R key on the keyboard, last dialed number will be dialed out.

Urgent call: in cooperation with the dispatcher, you can dial an emergency number with one touch.

Hang up: Press the hang up button to enter the FLASH mode, you can dial a third party phone.

5.1.2 How to answer a call:

JWAT305: When there is an incoming call, the phone rings, the amplification is automatically turned on, and automatically connects after three rings (the number of ringing can be set), and it can broadcast to call people (when no one answers for a long time, the caller hangs up and detects When the busy tone is reached, it automatically hangs up, does not occupy the channel and does not affect the next incoming call.) When someone answers, pick up the handle, the loudspeaker is automatically turned off, and the phone is turned to the receiver to talk normally .

JWAT304: When there is an incoming call, the buzzer will ring, and the ring will stop after picking up the phone. Use the handle to talk to the other party normally, after the call is over, hang up the handset.

6. Transportation and storage requirements

6.1 During transportation, the product is not allowed to be subjected to severe mechanical shock or direct sunlight and rain, to prevent falling, collision, and heavy pressure. The maximum height of the outer box stack should not exceed 5 layers.

6.2 The product should be stored in a dry, clean, well-ventilated environment at ambient temperature (0-40 ° C), in a non-corrosive medium warehouse, away from fire and heat sources.

7. Unpacking and inspection

7.1 Check that the instruction manual and accessories in the box are complete.

7.2 The appearance of the product shall be checked and the marking shall be complete.

8. Attention

8.1 Please read this manual before use to understand the product performance and use methods, so as to avoid accidents and damage to the product due to mis-operation.

8.2 The product should be checked carefully before use to ensure that it is installed and used without damage by external forces.

8.3 The product should be stored in a cool, clean and dry environment.

8.4 During the construction process, the product must be operated strictly in accordance with the wiring requirements of the product. Strong and weak currents must be routed separately to avoid affecting the performance of the product, making the product unstable, poor call sound quality, and reducing product life.

9. Safety warnings

9.1 Do not install or repair under power.

9.2 Do not repair in the danger area when the phone fails.

9.3 Cruel hitting the product is strictly prohibited.

9.4 Avoid strong vibrations, shocks and water splashes.

9.5 When the product is overhauled, do not change the specifications and models of circuit components , otherwise the performance will be destroyed

10. After sales

The Warranty of Joiwo's products is 2 years. Within 2 years since the products are shipped, if there is any quality issue or technical requirements, we will take care of all the trouble shooting and send the spare parts or complete product as required for replacements at our charge.

11.Basic Troubleshooting:

Failure phenomenon	Troubleshooting method	Approach
No effect on keyboard, no sound on handset	Check if the telephone line is connected to the motherboard. Use a multimeter to measure whether the voltage at both ends is 48V.	Reconnect the unconnected phone line
Some keys on the keyboard have no effect	Check if the cable between keyboard and motherboard is loose	Plug the keyboard cable back into the motherboard and plug it into place
sound from handset	Check if the connecting cable between the handle and the motherboard is loose	Plug the handle wire back into the motherboard and plug it into place
No sound from PA	1. Check whether the 220V power supply is supplying power or the line is not connected well. 2. Check if the cable between the phone and the speaker is well connected 3. Check if the speaker is damaged	1. Handle the missed line and provide 220V power to the phone. 2. Reconnect the line between the phone and the speaker 3. Replace the speaker