TS1210

WALK-THROUGH METAL DETECTOR

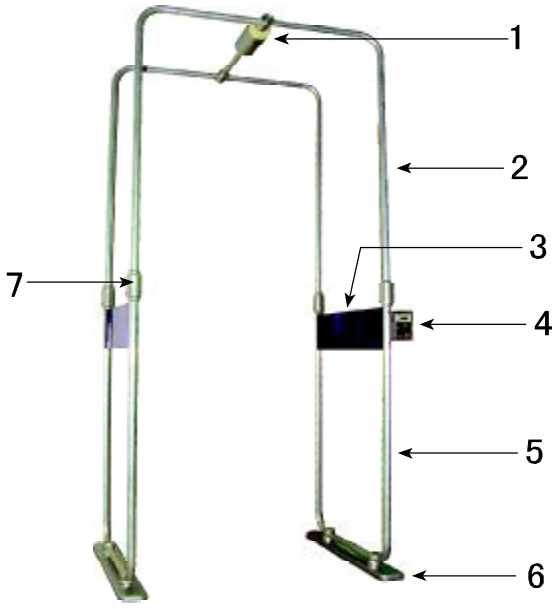
USERS MANUAL

read this manual carefully before use

TS1210 WALK-THROUGH METAL DETECTOR is an advanced device which can detect metallic being object carried on body by the technology of electromagnetic field. If the detected metallic object exceeds a certain size, this device will give a audio alarm. This device consists of a sensor, a control box and several antennas.

FEATURE

1. This unit complies with EN50081-1, EN50082-1 and national standard: 《 METAL-DETECTING DOOR》 of GB15210.
2. Light weight
3. Easy to be installed and uninstalled
4. Be powered by a built-in rechargeable battery
5. Easy to carry



1. sensor
2. upper antenna rod
3. ornament board
4. control box
5. lower antenna rod
6. base
7. connecting pipe

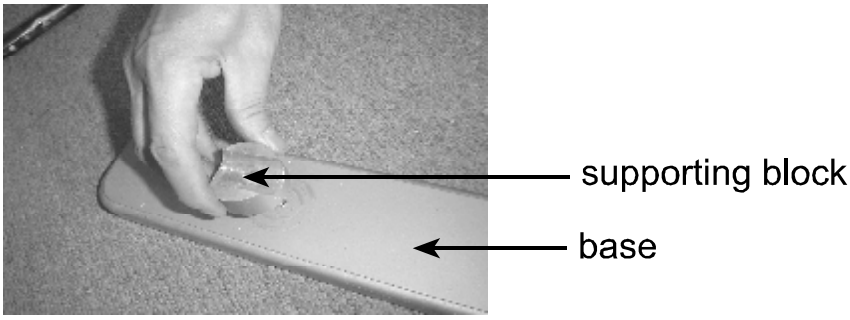
SPECIFICATIONS

The highest sensitivity: ϕ30mm metallic ball
Working temperature: -10℃～ 50℃ ； relative humidity: < 90%
Water-proof degree: IP40
Power supply: built-in 12V ,1.3HA battery
Power consumption: 5W
Alarm mode: Red LED and adjustable audible alarm
Path size: Width-0.7m, Height-2m, Length-0.5m

HOW TO INSTALL THIS UNIT

1. Clean a plain ground.
2. Place a carpet or any other soft and plain material on the ground to avoid damage to this unit.
3. Take the parts out of the package.
4. Place two bases on the ground, then place 4 supporting blocks on the two bases (two supporting blocks for every base), make sure that the hole of supporting block exactly points to the hole of the base. See figure 2.

figure 2



5. Connect two lower antenna rods to a connecting rod to make a lower antenna semi-loop. Use the same method to make another lower antenna semi-loop. See figure 3, 4.

figure 3

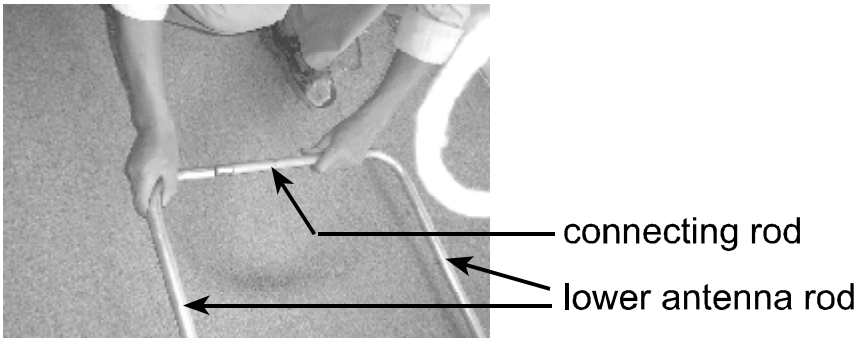
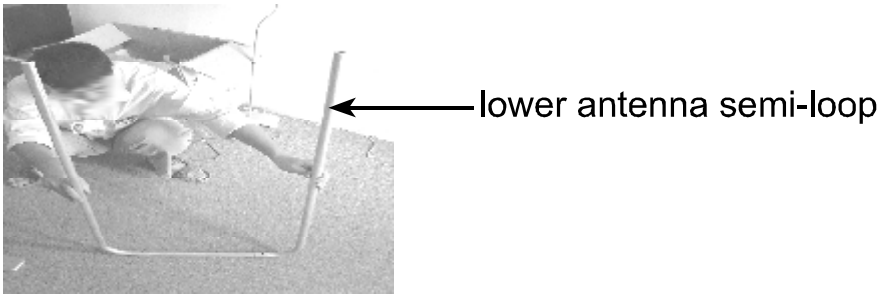


figure 4



6. Place the lower antenna semi-loop on the supporting blocks, then place two pressing block in the right positions, use screws to fasten and join them together(see figure 5). fasten the screw with a L-shape screwdriver(see figure 6). By the same method, join another lower antenna semi-loop, pressing block, supporting block and base together.

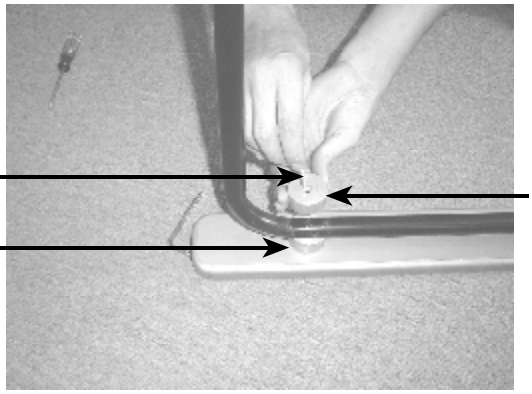


figure 5

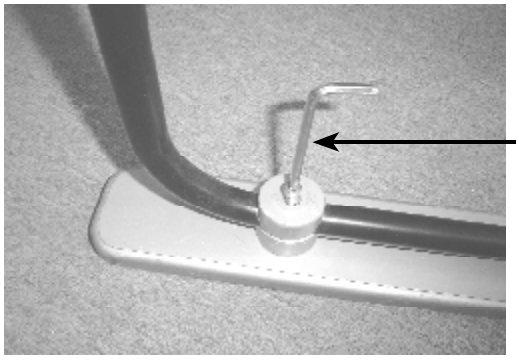


figure 6

7. Connect a ornament board to a lower antenna semi-loop with screws. Connect another ornament board to another lower antenna semi-loop with screws. See figure 7.

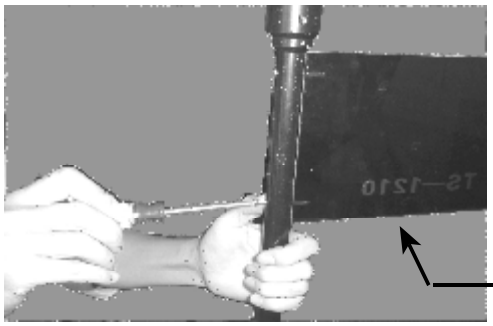
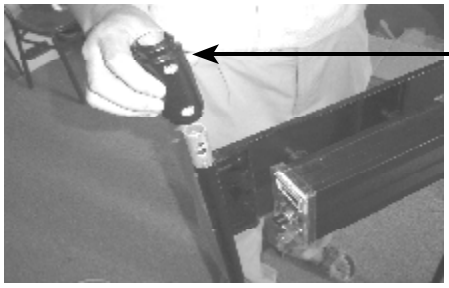


figure 7

8. Connect two connecting pipes to a lower antenna semi-loop. Connect two connecting pipes to another lower antenna semi-loop. See figure 8.

figure 8



9. Connect two upper antenna rods with a three-way pipe to make a upper antenna semi-loop(see figure 9). Make another upper antenna semi-loop in the same way. Connect these two upper antenna semi-loops with sensor connecting rod to make a upper antenna frame, fasten these three-way pipes with screws. See figure 10.

figure 9

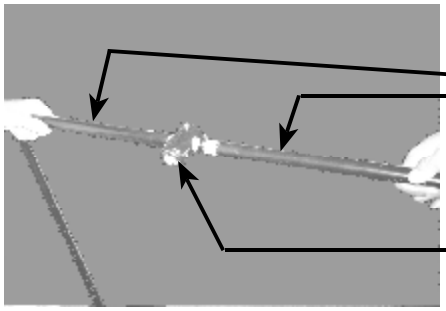
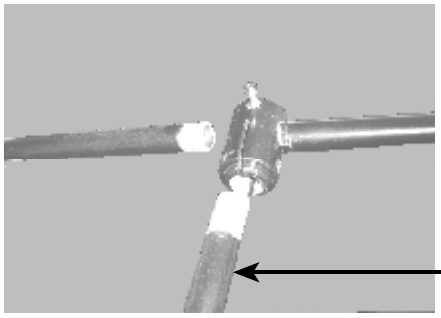


figure 10



10. Connect the upper antenna frame to the four connecting pipes with the sensor closing to the face of the metal detector, meanwhile the sensor's detecting hole must point to the ground, otherwise the device can't work or can't work correctly. Fasten them with screws. See figure 11.

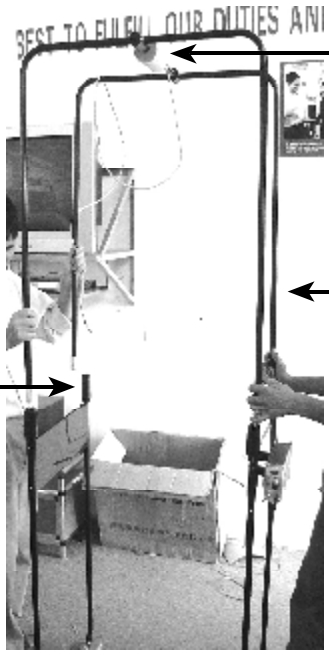


figure 11

11. Connect the control box to the right ornament board and fasten them with screws. See figure 12.

figure 12

12. Recheck all the installed screws and make sure that all of them have been fastened to make parts of the metal detector connect well. Connect the sensor's signal cable to the signal jack of the control box. See figure 13. Even a loose screw can destroy the antenna's continuity and make this metal detector fails to work.

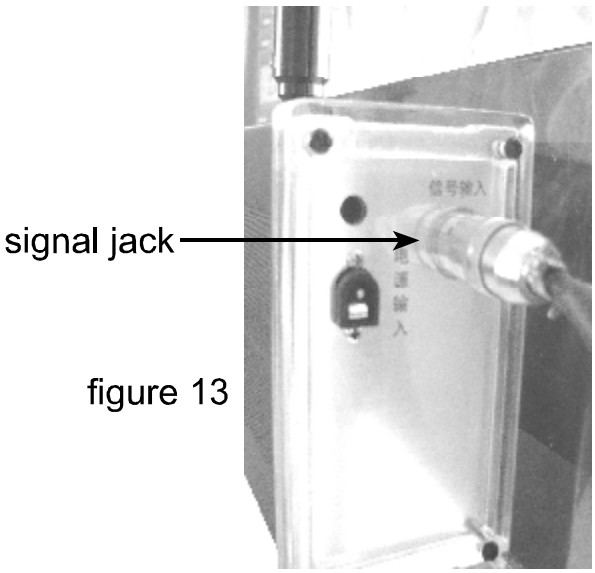


figure 13

13. Insert the power key and turn on the power switch , then you can try to use the metal detector. See figure 14.

figure 14

HOW TO ADJUST

1. If you want to use it for the first time, you should charge the battery for about 3 hours. When you charge the battery, the charging-indication lamp lights. When this lamp goes off, charging is complete.
2. Turn on the power switch, the power lamp light, meanwhile, the unit changes to the state of auto adjustment. About 3 minutes later, the unit changes to working state.
2. Adjust the knob"SENSITIVITY" for the desired sensitivity. When you turn this knob clockwise, the sensitivity will increase. When you turn this knob anticlockwise, the sensitivity will decrease. User can carry a metallic ball or other metallic object and walk through this unit to test the sensitivity, and adjust the knob "SENSITIVITY" for the desired sensitivity.
3. When the sensitivity lamp just goes off, the unit has the highest sensitivity.
4. If the sensitivity lamp keeps flashing or lighting, it shows that the sensitivity is too high. You should readjust the sensitivity. If the sensitivity lamp keeps flashing when the unit has the lowest sensitivity, maybe its cause is one of the following items:
   a. There is a strong electromagnetic disturbance-source nearby. you can move this device to another place or change its direction.
   b. The power of the battery is low, you should charge it.
   c. The screws of the unit were not fastened perfectly, so the antenna has no continuity. You should check the screws.
   d. The unit has malfunction. You can contact us for service.
5. When you use the unit, to avoid disturbance, make sure there is no moving metallic object and person nearby except the person to be tested.
6. To get the desired volume of alarm, just turn the volume knob.

HOW TO USE

1. At first, you should ask the person to be detected to remove the metallic objects from himself (herself), then walk through the detector at the normal walking speed.
2. If the unit gives alarm, it means the person carries metallic object. You can use a hand-held metal detector to locate the position of the metallic object.
3. When people walk through the door, the interval between every two persons must exceed 3 seconds. Because it takes 3 seconds for the alarm to disappear.
4. There is a infrared sensor on the bottom of the control box, it can be used to count the number of the passed persons. You can read the number on the display of counter. To restore the reading to zero, just press the button of RESET.

MAINTENANCE

1. This unit is designed to be indoor use.
   Avoid dust, moisture, water and direct sunshine.
2. After you finish using this unit, turn off the power switch.

WARNING

1. Never change the circuit to avoid damage to the unit.
2. When using this device, always adhere to this using instruction.
3. Don't open the case of the sensor and the case of the control box.