Manual

TW100SE (Single Zone DFMD)

Product Description

Through type metal detection door is a kind of inspection equip-ment with fixed installation, referred as walkthrough metal detector, mainly used to check metal object hidden in human body. When humans with metals pass through the equipment, the door would alarm and show the alarm zones if the weight, quantity and shape of metal exceed the presetting figures of the door. It is good for security officers' checking for the prohibited items.

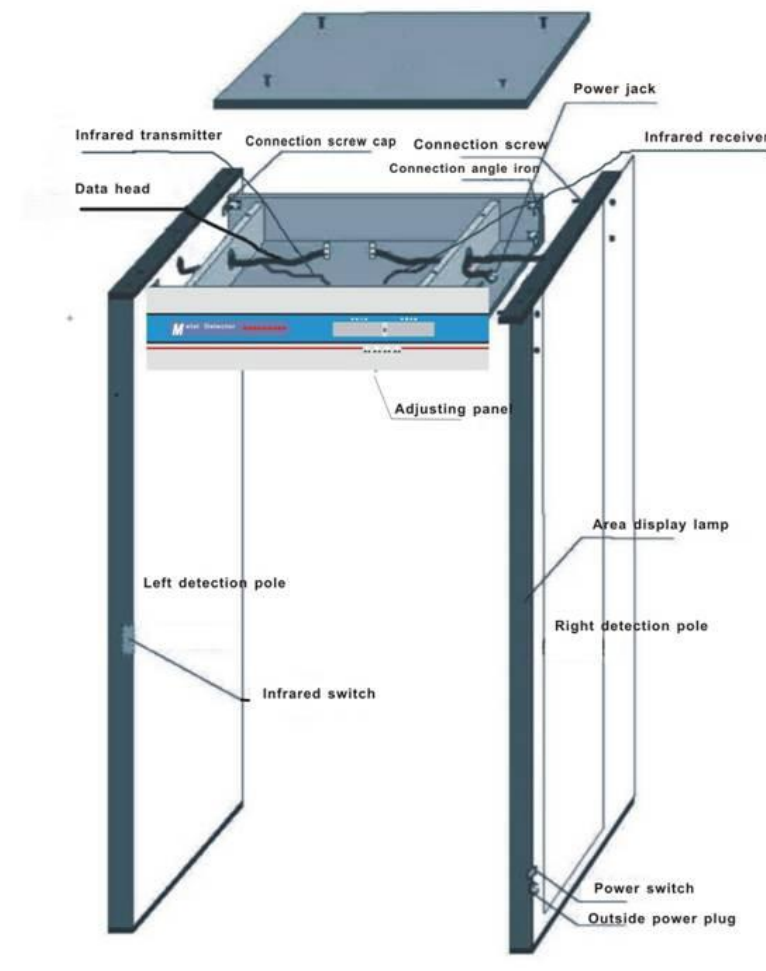## Application sites of Walkthrough Metal Detectors

1.Political Law Enforcement Agency: Public Security, procurat -orate,court，adjudication division，Jail, Work Camp, detention house, etc where need checking prohibited metals.

2.Microprocessor technology: accurate scan speed of Electroma -gnetic waves produced by micro-computer controller, flexible, reliable and steady sensitivity settings.

3.Complex circuit design: scattering infrared devices, computer automatic identification, can effectively reduce false and omissions

4.Digital Pulse Technology: with digital signal processing filter systems, have excellent anti-electromagnetic interference capa -bility.

5.Adjustable Sensitivity: 0-99 sensitivity level can be adjusted independently in each detecting area as well as the overall sen - sitivity can be adjusted.

6.Password protection function: the system parameter and sens -itivity can be changed only by entering the correct password set by the users. The universal password 8888 or 8243 is used to unlock when the users forget the password. The initial password set in factory is 1234.

7.Application of modular design: easy installation, ruling out mistakes easily.

8.Strong anti- collision capacity: strong ability of collision resistance and crashing when no humans passing through the door, which keeps it from external impact when in nor
-mal operation.

9.Using of weak magnetic field emission technology: com
-plying with current international safety standards, no harm to pacemakers revolver persons, pregnant women, floppy disks, roll film, video tapes, etc.

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1.Open the top cover of mainframe box.

2.Connect the mainframe box and detection pole on both sides with connection screw and screw cap.

3.Connect the data head of detection pole on both sides (left and right) with the data line interface in both sides of motherboard (left and right) respectively. Connect the power plug with power outlet on the right detection pole.

4.Connect the AC220V power plug on the detection pole.

5.Connect the infrared interface.

6.Cover the head of mainframe box.

Displaying Panel Description

1.Digital Display Tube: the left one shows the passing counting (0000-9999), the right one shows the alarm counting(0000-9999).

2.Signal Light: A row of signal strength indicator near the right of panel. The indicators would not light when no metals passing but light and alarm when metals passing through the door. In stand by time, the indicator would light when the interference from out
-side is big enough, then the door does not work normally until the indicators are not lighted.

System parameters set up (It's only suitable for the operation of A type of walkthrough metal detector.)
Type identifier: A ☐   B ☐
Testing gradation:
Password setup, change and saving Alarm setup zone sensitivity setup whole sensitivity setup save the setup.
Sensitivity setup: the bigger figure presents the stronger sensitivity, and the smaller figure means the weaker sensitivity.

Operation instructions
1.The LED panel display zone shows 0000 1234 after pressing ″Select″, then press 'Setup' to revise the password with display 0000   234
2. Enter in password position, press the "Select" to enter the cursor position, then press the number "Setup" button on the cursor shift, press "Select" button to enter Numbers, follow after 4-digits of the input password and press after 'Enter' into the system.
3. After the second step of operation, if password mistake with appearing 0000 E000 digital tip, input decryption password 8888 to continued, then press 'Enter'. Now if you want to revise the password and press 'Select', then press 0000 1000 digital, and press "Select" to change digital, click "Setup" button on the cursor, similar to the operation as a password, After the modification before pressing "Enter" key, if A password is correct, appear 0000 D001. (Note: if you do not need to advise the password revision, the underlined operation can be omitted)
4. After appear digital 0000 d001, press 'Setup' to set time of alarm, d001 says the shortest alarm time, d002 says normal alarm time, d003 says the longest alarm time.
5. After setting the alarm time, press 'Select' shows 0000 10XX, the sensitivity of zone 1 can be set up by (0-99), press the "Setup" to change

ystem parameters set up (It's only suitable for the operation of B type of walkthrough metal detector.)

Type identifier: A ☐   B ☐

1, Testing gradation:

Test zone sensitivity --> test whole sensitivity --> save the test setup.

2, Operation instructions

1: Enter system setup: press 'Enter', LED panel shows the figure as ---1234, press 'Enter' for 2 times, it's successful to enter the system settings if shows 1-XX(as photo 1-70); Or if failure to enter it, the panel shows --- E, and turn to 0000 0000 within 2 second, now press 'Enter' with panel shows 1234, then press 'Setup' and 'Select' to change the 1234 into 8234, press 'Enter' when the panel shows 8234, and now 'Select' to move the cursor position, 'Setup' to enter the figure, change any password you like instead of 8234, as 1234. after that, press 'Enter' to enter the system, and the panel shows --- 1-XX (as 1-70), it means you are successful to enter the system setting, and your new password is now 1234.

2: When enter the sensitivity system, it will display zone and sensitivity setup , as --- 1-70 means the sensitivity is 70 for zone 1, if want to change the sensitivity of zone 1, press 'Setup' to adjust figure of ones-digit, and press 'Select' to move the cursor position to the tens digit setting, and press 'Setup' to adjust the figure. Enter next zone with press 'Enter' to adjust the sensitivity. After set up 6 zones sensitivity and the whole area' sensitivity by above similar operation, press 'Reset' to save the system parameter after setting, and the system is now enter to the standby working state.

then change the figure on Zone7.

5.If these little type metals should be checked, then carrying humans should take out them. If the door still alarm, security officer may check according to the indicator with a handheld metal detector.

Security Reference

1.Complying with the current national standard GB15210-94 of through type metal detector.

2.Implementing the EN60950 safety standard of Electrical appliance, complying with GB2423.

3.About radiation and anti-interference, implementing En500 80-1 and Gb6833.

4.About Electrical insulation and dielectric strength, implem - enting Gb10408.

Notes & Caution

1.This product is only suitable for indoor use. If using outdoor, please equip with rain and sun protection device to make sure the probe is not used under the high temperature and humid environment.

2.No big metal object, such as power equipment with strong magnetic field within 1.5 meter near the probe, which would have impact on the door's normal operations.

3.The installation sites should be far away from the places with many electrical device and equipment to avoid the inter -ference with the same frequency.

4.When passing through the door, humans should not collide

the door body and walking speed should not be too fast, one person/ second would be ok.

5.No water or wet wipes to wash the door, clean the door with a cotton cloth in alcohol.

6.High voltage in the mainframe box, non professionals should not open the equipment with permitted.

Technical Parameters

Operation Voltage: AC220V 50/60Hz
Power: ≤35 W
Signal Frequency: 6-9 KHz(adjustable)
Operation Temperature: -10 ℃ to 50℃
Storage Temperature: -25 ℃ to 75 ℃
Package Weight: about 75kg
Shipping Weight: about 95kg (with wooden case)
Overall dimension: 2200mm *750mm × 500 mm
Channel Size: 2000 mm *700 mm *500 mm