



18-zone

Door Frame Metal Detector

EW-DFMD18



EW-DFMD18 is a high-performance 18-zone Door Frame Metal Detector designed to deliver accurate, reliable, and efficient security screening for high-traffic environments. Equipped with advanced digital signal processing and dual infrared detection technology, it provides precise target localization with adjustable sensitivity across 18 independent detection zones.

Featuring intelligent alarm statistics, bright LED zone indicators, and audible alerts, the EW-DFMD18 enables fast and effective threat detection while minimizing false alarms. Its anti-interference design, user-friendly operation, and safe electromagnetic performance ensure reliable screening without affecting pacemakers, pregnant women, or magnetic storage devices.

Quick 20-minute installation and robust construction, the EW-DFMD18 is an ideal security solution for airports, government facilities, educational institutions, industrial sites, stadiums, and other critical infrastructure.

Technical Specification

Outer Frame	2250mm(H) x838mm(W)x495mm(D)
Inner Frame	2000mm(H)x724mm(W)x495mm(D)
Electrical Current	AC100V~240V 50/60Hz
Power	10W
Signal Frequency	7000-8999Hz(adjustable)
Work Environment	-20°C to +45°C
Sensitivity Adjustable	Level 0-299
Alarm	Sound and light
Max Distance	0.3m at low sensitivity;0.5m at high sensitivity
Sensibility	With the highest sensibility, it can detect the metal article as small as the clip. With the sensibility range of 0-100, it can be easily adjusted, pre-set the weight, volume, size and location in respect of the metal Articles and eliminate the false alarming for the coin, key, jewelry, leather belt button, etc.
Infrared Counting	The intelligent counter can calculate the number of Passenger flows and the times of alarm.
Detecting areas	Allocation of eighteen mutual over-lapping detecting areas, Simultaneous alarming from multi-areas and accurately ascertaining the location Of the metal articles according to the layout of the metal particles
Operating temperature	5°C ~ 40°C
Operating Humidity	0%-90%(non-condensing)
Storage temperature	-20°C ~ 55°C
Storage Humidity	0%-98%(non-condensing)
Operation Power	220VAC(±10%) 50±3Hz (Optional 100VAC,110VAC,120VAC,200VAC)
Battery Backup	Optional

Application



Airport



Railways



Defense



Education



Hospital



Government



Office



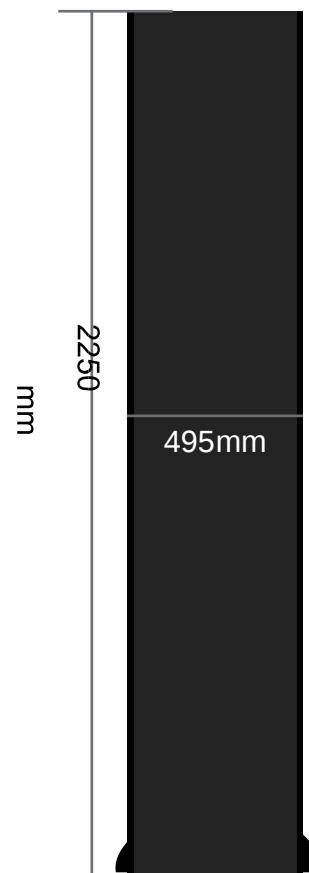
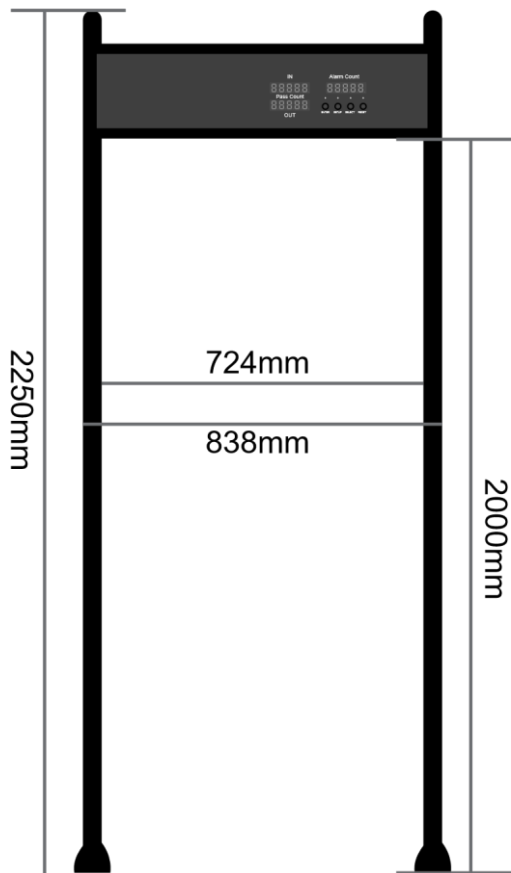
Bank



Retail

eWit

Dimension Drawing



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