

Early Warning Detection System

Security Upgrade for One-Way Security Revolving Doors



An added layer of protection against unauthorized pedestrians attempting to breach a security exit

The Early Warning Detection (EWD) System from Horton diminishes the threat of unauthorized pedestrians approaching the unsecured side of a one-way exit lane in an attempt to access the restricted space or toss an object into the revolving door. By increasing the distance and time required to breach a one-way security exit, the advanced design of this add-on security device detects, prevents and contains pedestrians with malicious intentions.



Easy Add-On

- The EWD was designed to enhance protection provided by the Horton 9100AP Revolving Door Series as well as the Secure Exit Lane.
- The system is to be mounted across the corridor, 7' above the floor, spanning the entire corridor.
- Traffic exiting the revolving door must be contained in the corridor, which must be between 3'4" and 10'0" wide. If existing structure does not provide a corridor, side lites can be added to create proper environment.

Superior Sensing Capabilities

The EWD uses an array of sensors working in harmony to provide a more robust security solution than any other detection system.

- **Early Warning Sensor** is for one-way traffic detection toward the restricted side of the door. An additional sensor is mounted on the opposite side of the mounting tube to disable the Early Warning Sensor while normal traffic is exiting the door.
- **Lockdown Sensor** is an exclusive Horton People Counting Sensor which reliably discriminates between normal exiting traffic and unauthorized traffic attempting to approach the restricted side of the revolving door. When a pedestrian is detected traveling in the unauthorized direction, this sensor initiates an immediate lockdown of the door.
- **Intelligent Interface Module** integrates the Early Warning and Lockdown Sensors with the revolving door's master control and locking system to ensure accurate warning and lockdown signals.



Specify Horton and demand AAADM certified installation



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For airports and other high-security environments that require an even higher level of security than the Series 9100AP provides, the Early Warning Detection System provides a simple yet highly effective add-on to detect and prevent unauthorized entry attempts.



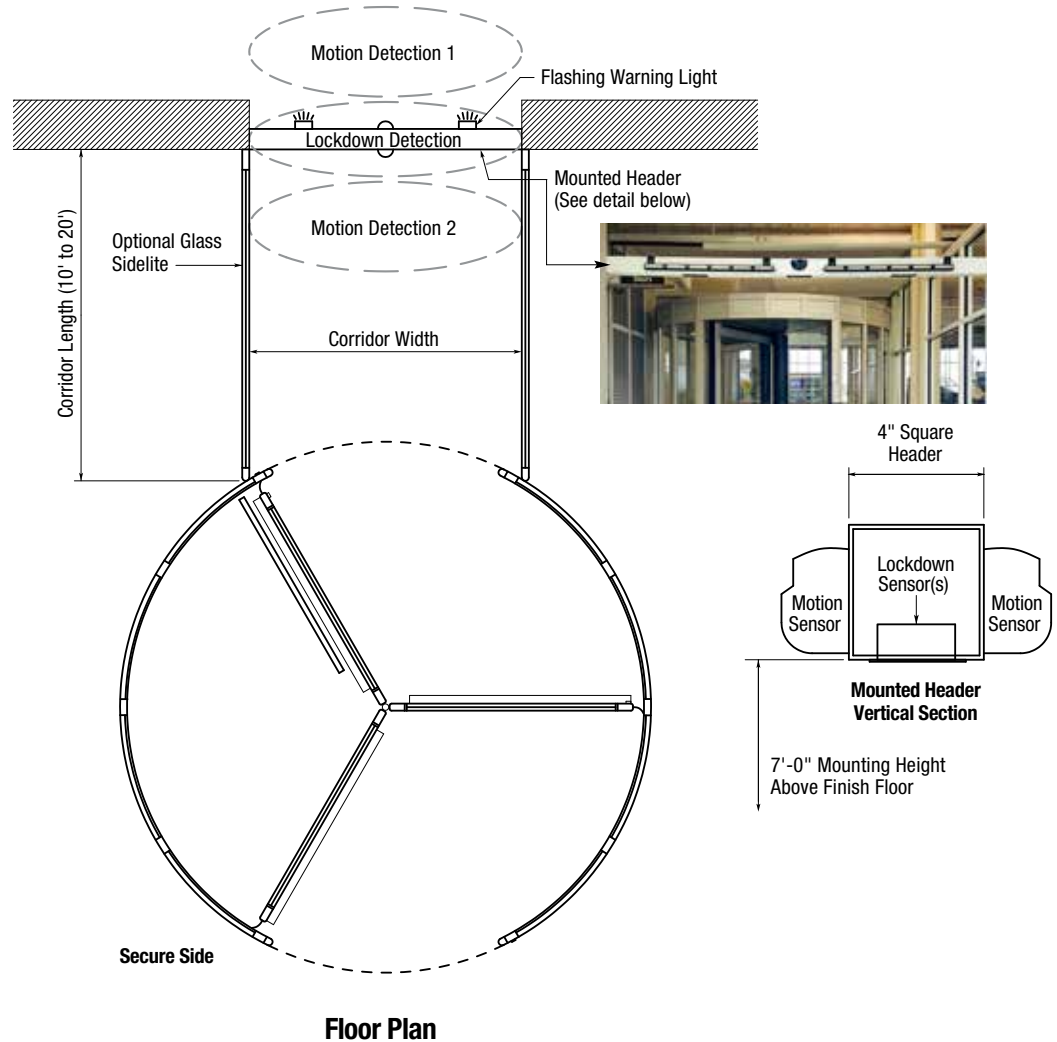
Operation

If a pedestrian approaches the door from the unauthorized entry side while there is no traffic exiting the door, the early warning detection signals an alarm and/or initiates a red flashing light to warn the pedestrian they are entering a prohibited "do not enter" area.

When there is traffic flow exiting the door and a pedestrian approaches the door from the wrong direction, the Early Warning System Detection is not active. If that pedestrian continues undeterred toward the door in a breach attempt, the Lockdown Detection signals the revolving door to stop and instantly lock down.

Space Requirements

- Typical minimum spacing between the Lockdown Sensor and the door is 10' to 11'. This space allows for exiting passengers who may dwell in the area just outside the door without causing false alarms.
- Typical recommended width of exit lane is 40" to 120". Minimum recommended distance from radius of revolving door to Lockdown Sensor is 10'. Mounting height requirement for Lockdown Sensor is 84" maximum.



Standard Packages	
Package Type	Corridor Width
Single Sensor Package	3'-4" (1016) to 4'0" (1219)
Double Sensor Package	4'-1" (1143) to 6'8" (2032)
Triple Sensor Package	6'-9" (2057) to 10'0" (3048)

Options

- One or 2 side lites (to create required corridor).
- Special dimensions available (contact factory).



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