dormakaba

Exit Lane Breach Control

Installed in an airport terminal, dormakaba's Exit Lane Breach Control (ELBC) corridor offers controlled access and secured single direction pedestrian flow from the air to land side.

The technology is designed to provide an alternative to security guards, while improving the monitoring, alerting, notification, and isolation process for faster response to potential intruders. The modular system consists of a combination of several fast-moving full- and half-height door sets. The required security level may be achieved by different unit lengths and sensor combinations. The sophisticated sensor system ensures a high object security with simultaneous regard to pedestrian safety.

Construction
- Modular system (different lengths, widths, and door combinations)
- Sensor-controlled corridor for passage in one direction only, consisting of:
  - 1 to 3 full-height doors (double swing doors).
  - 1 or 2 half-height swing doors (fast moving low-energy barriers creating an additional obstacle in case of a security breach attempt).
  - Safety glass.
  - Audio and visual displays.
  - Low-energy drive concept.
  - Swing range monitoring by light curtain at foot level.
  - Transparent glass sidewalls.
  - Kick plates to protect against bumping.
  - Multiple inputs and outputs available for total control of the unit.

PIL-M02 16
One Way Corridor

Product advantages

- Provides a secure exit lane without the use of a guard.

- ROI is potentially 18 months or less.

- Advanced Smart Technology.

- 3D imaging tracks activity.

- Highly sensitive sensors detect breach attempts, suspect persons, and objects.

- Configurable security zones to meet airport security requirements.

- Minimal energy consumption (drive units and LED lighting).

- High degree of modularity.

- No top access needed: controls integrated in side wall.

- Sensors independent of ambient light conditions and floor design.

- Open ceiling (easy integration into sprinkler and smoke detection systems).

Entrance systems

PIL-M02 Exit Lane Breach Control

Dimensions
Standard unit (2 full-height doors, 1 half-height door)
Passage width:
- 44-1/8" (1120)

Passage height:
- 82-11/16" (2100)

Total height:
- 98-7/16" (2500)

Total length:
Passage width:
- 36-1/4" (920) or 44-1/8" (1120)

Total length:
- 121-11/16" – 359-7/16" (3091 – 9129) depending on door configuration.

Functions
- The exact interlock sequence is project specific.
- The sensor system may be adjusted for different levels of security while maintaining a high level of safety.

Power failure
- All full-height doors are closed by buffer power.
- Can be configured for fail safe or fail secure.
- All half-height doors are freely movable.
- Pedestrians may leave the corridor.
- Internal battery back up system.

Return of power
- Complete unit is initialized automatically.
- Set operation mode is resumed.

Pedestrian safety
- Door wing monitoring prevents injury.
- Limited rotational energy due to low energy drives.
- Complete system complies with UL325.

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Object security
- Project-specific security levels may be achieved by different sensor levels, corridor dimensions, and door combinations.

Sensor systems
- 3D stereo sensors for wrong way detection.
- Thrown object detection for objects thrown into the corridor.
- Presence detection for left objects.

Electric system
Power supply
- 100–240 VAC, 50–60 Hz, 600 VA
- Controls integrated in side walls.

Operating modes
- Normal free flow.
- Interlock.
- Blocked.
- Open.
- Cleaning.
- Maintenance.

Alarm schemes (with audio)
- Pre-alarm (suppressed) to serve as a first deterrent.
- Full alarm in case of further breach attempt.
- Thrown objects.
- Left objects.

Parameter settings
- Runtime monitoring of sensors and drives.
- Acoustic alarm duration.
- Alarm reset (time-driven, manually, automatic).
- Initialization time.

Installation
- On level finished floor.

Options
- Operating panel, optionally with key switch.
- Remote operation via dry contacts, LAN interface.
- Protection at ceiling level against thrown objects.

Note
Dimensions shown as inches followed by millimeters; for example, 1" (25).