

Apex RFID Security Pedestals

RFID410

Featuring an advanced Digital Signal Processing technology, the pedestals provide maximum detection speed and field, regardless of the RFID tag orientation. There is no anti-collision limit; any non-deactivated RFID tag is instantaneously detected. Each security aisle requires a minimum of two pedestals to function. Additional pedestals can be added to create additional aisles and an increased detection area. Pedestals are mounted directly into the floor or into portable base plates (optional). Use of base plates eliminates the need to drill into floors for pedestal mounting and for trenching to accommodate electrical and network cables.

Optionally, you can purchase Apex ExitWatch™, software installed on one or more computers on the library's network providing staff with item information when a security pedestal's alarm is triggered. Access to the internal network through a standard 10/100/1000 Base T Ethernet connection enables the gates to communicate with a staff station. A popup window appears on the workstation indicating the item's bar code number and title. SIP communications are required in order to display item titles onscreen.

The electronics unit is located on the bottom of the pedestal which manages the whole system, generating the RF signal transmitted by the antennas to pick up the reply from the RFID tag. If an RFID tag with an active theft bit (ON) is detected, the electronics unit will activate LED/buzzer board on the pedestal.

The gates also contain a visual and adjustable audible warning device (LED/Buzzer board) and a people counter. The people counter can be remotely administered with network access.

Installation

Pedestals can be installed completely by ITG's technicians for a fee, or the library can provide installation, with ITG simply providing configuration. If the library self-installs, it must provide:

1. Installation of in-floor conduits for all pedestal locations with conduit "stub" protruding up, flush to floor, aligned for center-hole placement of pedestals and spaced at a maximum of 36 inches.
2. Installation of hard-wired electrical source with one power cable for each pedestal. The circuit must be on a switch to allow staff to turn pedestals on and off, should be independent of any other electrical equipment on that circuit and may be wired as a series.
3. All power cables (110VAC) run from their respective source through the above conduit to each conduit "stub". Power cables should be left spliced for later connection to the main control board of each pedestal (once the pedestals are mounted to floor).
4. Physical mounting of pedestals to flooring (mounting screws are provided with each pedestal), according to placement-labeling (pre-determined pedestal arrangement established by ITG). Seismic and other local code compliance are the responsibility of the library.
5. Final connection of library-provided power to main circuit board of each pedestal (from the stub to the pedestal).
6. A suitable, library-owned PC workstation for installation of the pedestal configuration software.
7. Optional, but recommended, remote network connection to facilitate installation and troubleshooting.

If ExitWatch is purchased:

8. All Ethernet cabling from either a single hub or router, or a group of wall-drop connections. Each pedestal requires an individual Ethernet cable (one cable per pedestal), and each cable requires a finished end that will be connected to the main control board of each pedestal.
9. Reserved series of internal, static IP addresses to be assigned to each security pedestal (one static IP address per pedestal). If possible, the library should provide ITG with IP addresses prior to shipment so that ITG can pre-configure the pedestals with these addresses. If the IP addresses cannot be provided prior to shipping, then the customer must configure the pedestals with the designated IP addresses in order for item identification to work properly.

Physical Specifications:

Mechanical Data	Electrical Data
<p>Weight: 34 lb</p> <p>Dimensions (H x W x D): 17 x 25.2 x 3.15 inches</p> <p>Connection for pedestal: Supply power and Ethernet cables as outlined above</p>	<p>Power Supply: 100/240 Volts AC, 0.5. A 50/60 Hz</p> <p>Power consumption: 30 W</p>



RFID410 – Security Pedestal

Pedestals come standard with grey plastic panels. Customized woodgrain laminate panels may be substituted for an additional charge.

