

Access Control Products

Intercom System

1. Purpose. Intercom System shall be a multi-device system that provides communication capabilities between a remote office and parking patrons in a traffic lane.
2. Features
 - a. The master station intercom shall have the following features:
 - 1) A master station intercom and at least one remote call station.
 - 2) Provide Off, Talk, Volume, and Privacy buttons.
 - 3) Be available in models to handle one, five, ten, twenty or forty separate call stations and shall provide individual buttons to speak to each call station.
 - 4) Provide an occupied lamp which shall illuminate when the system is in use.
 - 5) Allow a user to call a remote station.
 - 6) Allow a user to receive a call from another master station with the option to receive the call hands free if desired.
 - 7) Allow a user to receive a call from a remote station.
 - 8) Provide separate call tone and communication volume controls.
 - b. The remote station shall:
 - 1) Be used when communications with the master station intercom are required.
 - 2) Require user to momentarily depress CALW button to signal master station. When master station replies, communication from remote intercom shall be hands free.
 - c. Optional "All Call" option shall be available for any of the five, ten, twenty or forty station master intercoms in order to communicate with every call station simultaneously.
 - d. Paging shall be available through 8 PHM horn speakers using PG-3 paging amplifiers.
3. Dimensions
 - a. The dimensions for the master intercom stations shall be dependent upon the size of the master station needed.
 - b. Remote intercoms shall be 3.5 inches W x 4.75 inches H x 1.125 inch D (89 mm W x 121 mm H x 29 mm D).
4. Electrical
 - a. Wiring for the Federal APD Intercom System shall be of two twisted pair, shielded cable.
 - 1) One cable shall be required per remote call station to master .
 - 2) One cable per station master to master plus power.
 - b. Wire gauge of cable shall be determined by the distance of cable required.
 - c. Power source for the master station shall be 12 VDC. Current consumption for the master station shall be 220 mA maximum. Power output for the master station shall be 300 mW maximum at 20 ohm.
5. Construction
 - a. The master call station shall have a speaker covered by a plastic grill. Federal APD shall provide master station models for wall or desk mounting.
 - b. The remote intercom shall have a speaker covered with a plastic grill and a call button. The entire remote intercom shall be mounted in a weatherproof enclosure.