

08 7113 – Automatic Door Openers

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Last Update: July 1, 2009

- A. General Standards for Automatic Door Openers:
1. Single door openers cannot be used on a door smaller than 36" wide.
 2. Minimum width for passage shall be at least 32".
 3. Every exterior door with an automatic opener shall have an electric lock and a timer that first unlocks the door then signals the door to open. This sequence is to be activated by the push pad or RF receiver(s).
 4. A key switch for Day/Night operation shall activate the electric lock (unlock the door) during open hours, unless the door is to a secure area. The Harco time lock system can function as the Day/Night switch.
 5. All doors shall have at least a single channel RF receiver.
- B. Vestibules:
1. When the distance between vestibule doors is less than four feet (4') then the doors on each side of the vestibule should open at the same time. If one of the doors opens into the vestibule, the distance is measured from the edge of the opened door to the other doorframe.
 2. One or more push plates shall be placed in a vestibule between doors. The push plate shall be within 4' of the door at a 36" height. The foot of the icon on the push plate shall point toward the automatic door that it operates.
- C. Handicapped Door Applications
1. Interior door at a firewall:
 - a. Door remains unlatched because of a device hooked to fire alarm system. This device normally holds door unlatched until a fire alarm exists. Door is to operate as an inside door with an opener.

Option 1 – hold fire door open with a hold open device hooked to the fire alarm. With a fire alarm, the door is released and the closers close the door.

Option 2 – A pair of stand alone smoke detectors with one on each side of the door shall either latch or close and latch the door.
 2. Interior door with opener only:
 - a. Attach the opener to the wall above the door, use at least 1 RF receiver
 - b. Install palm switches within 4 feet of the door.
 - c. Door will open with signal from hand held remote or palm switch from either side at any time.
 3. Exterior door with opener only:
 - a. Attach the opener to the wall above the door, use a dual RF receiver
 - b. Install palm switches within 4 feet of the door.
 - c. Install Day/Night Key switch to disable the outside palm switch by disabling the outside receiver. The inside palm switch shall always be active.

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- d. The handheld remote, on the same frequency or code as the outside push pad, will open the door only during unlocked times (Day). Notes:
 - 1) An Employee may be issued a remote on the inside frequency (code) to act as a key for 24/7 use.
 - 2) Door requirements include an electric lock and a time delay. The Palm switches and/or the remote will activate the time delay and the time delay will trigger the door opener.
 - 3) Time delay (delayed one-shot) gives the door time to be electrically unlocked [bypass timer during unlocked times]
 - 4) Students with remotes will have no remote control operation inside the building after hours. The push pad switch will always be active on the inside of the building.
 - 4. Interior door with Harco lock
 - a. Same as #3 (Harco replaces Day/Night switch)
 - 5. Interior door with Harco lock with “buzz-in”
 - a. Harco locks door, disables outside Palm switch. “buzz-in” unlocks door.
 - b. Same as #3 (Harco replaces Day/Night switch)
 - 6. Exterior door with Harco lock
 - a. Harco locks door, disables outside Palm switch
 - b. Same as #3 (Harco replaces Day/Night switch)
 - 7. Interior with Harco card access
 - a. The remote transmitter bypasses the Harco and opens the door. According to security, only 1 frequency setting for the push pad or remote may be required.
 - 8. Exterior with Harco card access
 - a. The remote transmitter bypasses the Harco system and opens the door. The code of the remote transmitter may be either on the code of the inside or outside push plate according to the privileges of the holder.
 - b. With the frequency or code of the hand held set for the outside push pad, the holder has 24/7 access.
 - c. With the frequency or code of the hand held set for the inside push pad, the holder has building open time access.
- D. Approved Equipment
- 1. Door openers
 - a. Keene Monroe 2000series for outside and high traffic doors
 - b. Keene Monroe 3000 series for other doors
 - 2. Push pad, RF transmitters, RF receivers
 - a. Sedco:
 - 3. Door hardware (electrified panic hardware, electric strike)
 - a. VonDuprin

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E. Approved Suppliers

1. Keene Monroe:

Kenny Glass, Indianapolis

2. Sedco:

Mulhaupt Lock Shop, Lafayette

Kenny Glass, Indianapolis

3. VonDuprin:

F. Approved Additional Components

1. Sedco

Heavy Duty "608 series" post with recess for push pad and plastic cap.

Rubber boot RB for switch of push pad (for outside use.)

Weatherproofing Box Gasket (Part #12001) for outdoor use.