

## **BARRIER-FREE ACCESS SYSTEMS, INC.**

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### **SPECIFYING THE POWER ACCESS AUTOMATIC DOOR OPENER**

1) Choose the Model **Opener**: these choices are a function of the physical application of the Opener

- 4300 Jamb Mount
- 4300V Inverted Jamb Mount
- 4300X Deep Reveal Jamb Mount
- 4300D Door Mount

Also choose from these options effecting the Opener:

- A) Hand of Opener: Right Hand (R) or Left Hand (L) i.e.: 4300L, 4300XR, etc.
- B) Low Temperature Applications (LT) when Opener is to be installed in an exterior cold weather application i.e.: 4300LTR, 4300LTXR, etc.

C) Print board:

- Standard Print board with 0-30 second adjustable timed delay. This is the amount of adjustable time the door will remain open before it begins to close.
- Optional Printboard with 0-60 second adjustable timed delay on opening before the opener closes. Specify 0-60 second delay Print board (no part number is available)
- Optional Print board with Push to Open/Push to Close function. Specify # 5410 Print board.

D) Length of Power Cord

- Standard 9' Power Cord.
- Optional 20' Power Cord. Specify # 4581 Power Cord.

Examples:

- 1) Power Access Model # 4300L Left Hand Jamb Mounted Automatic Door Opener or
- 2) Power Access Model # 4300LTXR Right Hand Deep Reveal Jamb Mounted Low Temperature Automatic Door Opener.

2) Choose method of **Activation**, WIRED Activators or WIRELESS Activators.

Note: one (1) Opener may have both wired and wireless activators. The Print boards are prepared for both types of activation i.e.: interior side activation may be a wired activator and the exterior activation may be a wireless activator or vice versa or combinations.

A) Wireless Applications require a # 4470 Radio Receiver.

B) Choose from a variety of Activator types:

- Wall Mounted, surface applied or flush mounted i.e.: # 4488S or # 4444F
- Post Mounted i.e.: # 4489SSP
- Hand Held i.e.: 4440T, 4440DD, etc.
- Special Applications i.e.: 4455P, 4456S, 4440TW, 4440JT, 4466FK

C) Type of traffic pattern:

- One Way traffic requires at least one activator located on the approach side of the Opener
- Two Way traffic requires at least two activators. One activator located on the approach side of the Opener/door and one activator located on the swing side of the Opener / door.
- Note: some applications are enhanced when a site employee (receptionist or security personnel) also have an activator at their station.

- 3) Choose an **electric strike interface** if the door is equipped with a locking device.
  - AC powered strikes generally produce more sound or noise and are used in applications when it is applicable for the user to hear the door unlock i.e.: apartment main entrance doors.
  - DC powered strikes generally produce less sound or noise and are used in applications when it is applicable NOT to hear the door unlock i.e.: private residence entrance doors.
  - Power Access can interface with:
    - 1) Latch locks.
    - 2) Mortise (latch & deadbolt) locks i.e.: apartment entrance doors
    - 3) Panic exit device locks.
    - 4) Card Reader, Electro-Magnetic Locks and other special security operations.
    - 5) Note: Fail Secure and Fail-Safe applications are available.
  
- 4) **Signage.**
  - It is recommended that all general public applications (commercial and institutional applications) include a # 5883 Handicap logo decal visible from both sides of the door.
  - One Way traffic applications (IN function or OUT function) include # 5881 "Directional Arrow" decal is visible from both sides of the door.
  - Two Way traffic applications (IN and OUT function for one Opener) include # 5880 "Caution Automatic Door" decal visible from both sides of the door.
  
- 5) **Door closing device:** The Power Access Automatic Door Opener is an OPENING device. An independent door-closing device is required to be used in conjunction with all Openers. Choose:
  - surface applied closer i.e.: LCN 4041 Door Closer
  - overhead concealed in the head closer
  - floor installed floor closer.
  
- 6) The full line catalog includes various optional products such as:
  - Battery Back Up
  - Oak Picture frames for wall activators
  - Relays for special applications
  - Kits for interfacing with existing electric strikes
  - and more. Please review the catalog.
  
- 7) Review the Power Access Product Survey Sheet in the catalog

**EXAMPLES:**

- 1) Specified are: (typical for institutional entrance door application) A total of FOUR (4) Power Access Model # 4300 Jamb Mounted Automatic Door Openers, handed per drawings. Each Opener to include:
  - One (1) # 4470 Radio Receiver
  - Two (2) # 4488S Surface Applied Wireless Activators with 5" x 5" Push Plate with Handicap Logo to provide two way traffic function
  - One (1) # 5883 Handicap logo decal
  - One (1) # 5880 "Caution Automatic Door" decal
  - One (1) LCN 4041 Door Closer.
  - Installation by local factory authorized dealer (516-757-4975)

2) Specified are: (typical for private residence entrance)

A total of ONE (1) Power Access Model # 4300D Door Mounted Automatic Door Opener, handed per the drawing. Opener to include:

- One (1) # 4470 Radio Receiver
- One (1) # 4437S Wireless Keypad Activator for exterior side activation.
- One (1) # 4466SB Wireless Surface Mounted Wall Activator with Push Button for interior side activation.
- One (1) # 4440T Hand Held Wireless Activator to be provided to "Owner".
- One (1) # 4546C-24VDC Electric Strike & Transformer Assembly.
- One (1) LCN 4041 Door Closer.
- Installation by local factory authorized dealer (631-757-4975)

Power Access Automatic Door Openers are frequently installed in institutional, commercial and residential applications.

**Common institutional and commercial applications include automation for:**

- Exterior and Interior Entrances
- Restrooms including multiple occupancy, single occupancy and unisex.
- Conference rooms, special purpose room, garage entrances and individual offices.
- Corridor doors.
- Patio entrances
- Laboratory and computer rooms.

**Common residential applications include automation for:**

- Apartment/Condominium Main Entrances
- Individual Home and Apartment/Condominium entrances.
- Restrooms.
- Patio, backyard and side entrances.
- Individual rooms and garages.
- Interfaces with Voice Activated and Switch Activated Environmental Control Units.

## Sample Power Access Automatic Door Opener Specifications

**Jamb Mounted Opener:** drawing # 4300

**Deep Reveal Jamb Mounted Opener:** drawing # 4260

Automatic door operators shall be electro-mechanical, self-contained and mounted to the push side of jamb. The operator wheeled arm shall not be attached to the door, so that the door may be used in the manual mode as required. A ball screw actuator shall drive the arm. The unit shall have an adjustable sensitivity control so the door will stop if it meets an obstruction during the opening cycle and then recycle closed. The unit shall have an external on/off switch and an adjustable timed hold-open feature from 0-30 seconds. It shall have an externally accessible circuit breaker to allow resetting in the event of an overload surge. It shall have a built-in line filter to suppress ac line transients and RFI. Operator requires 115vac 60hz 3amp service at header location.

Operators have a painted, welded steel frame, fire-retardant acrylic/PVC thermoplastic cover.

Installation shall be provided by the area factory authorized distributor (Barrier-Free Access Systems, Inc. @ 631-757-4975), having a minimum 5 years experience with the specified products and having successfully completed projects similar in size and scope. It shall be mounted according to drawings and instructions provided with each unit, and used in conjunction with a conventional manual door closer either of the surface mounted or concealed type. Signage meeting ANSI requirements are recommended.

### **Heavy Duty Wireless Wall Activator 4488S:**

Heavy-duty wall control shall have a 5" x 5" x 1/4" cast aluminum push plate with 1/2" radius corner and BCC baked acrylic finish assemblies over the actuator disc. Plate mounts to 4 1/2" x 1 7/8" vinyl plastic box. The disc has a 62R hardened shaft, which slides inside a Thomson Industries 1/2" linear ball bushing/bearing with a maximum load rating for full function of 85 lbs. The assembly is covered with a neoprene bellows gasket with a equivalent waterproof test NEMA 4. The control shall have a soft touch at each of the four corners and control shall be suitable for indoor and outdoor mounting with blue handicap logo.

### **Heavy Duty Wireless Activator with Free-Standing Stainless Steel Post 4489SSP:**

Heavy Duty control shall have a Hi-Profile Push Button projecting from a 1-5/8" x 6-3/8" plate with "Push To Open" "Automatic Door" and Handicap Logo.