
Automatic Door Operator Specifications

EQUIPMENT

Model 4300 Shall be Available in the Following Configurations:

- Jamb Mounted (Standard, Inverted; Standard or Deep Reveal): no physical attachment of arm to door
- Door Mounted: attached to door with arm pushing against door frame header

The Electric Operating Mechanism Shall be Model 4300

- Maximum current draw shall not exceed 3.0 amps
- Operator shall have a painted, welded steel frame with fire-retardant ABS thermoplastic housing in a beige or bronze finish
- Operator shall have an externally accessible circuit breaker to allow resetting in the event of an overload surge
- Operator shall have a built-in line filter to suppress AC line transients and radio frequency interference (RFI)
- Opening action shall be accomplished by a 115VAC 60Hz permanent split-capacitor, thermally-protected motor operating a ball screw actuator that drives the operator arm
- Closing action shall be accomplished by a separate, independent hydraulic door closer
- Closing speed shall comply with ANSI A156.19 specification

Operator Control Shall Incorporate the Following Features:

- Adjustable time delay of 0 to 30 seconds
- Finite adjustment to the opening force without affecting the opening speed
- Immediate stop on obstruction during the opening cycles
- Load Sensing:
 - An adjustable current limit will be supplied that will shut off current to the motor when the door is inadvertently obstructed or locked or otherwise prevented from opening, protecting pedestrians and operator from injury or damage
 - When load limit is exceeded, operator will stop, delay, and recycle closed

Automatic and/or Manual Operation:

- Automatic:
 - Push button switch actuates door open; door closes after time delay expires
- Manual:
 - Opening and closing force, measured 1" (25.4mm) out from the lock stile of the door, not to exceed 15 pounds (67 N) of force to stop the door from opening when operating in either direction
 - Opening Speed 7 Seconds; closing Speed 7 Seconds

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RELATED EQUIPMENT

Activation Devices:

- Shall be located on each side of the door in accordance with ANSI A117 Standard
- Push Button:
 - 4-1/2" X 4-1/2" surface hard-wired or radio control with transmission system
- Push Plate:
 - Stainless steel with blue powder coat with international symbol for wheelchair accessibility logo and "Press To Open" or "Push To Open" legend

RELATED MATERIALS

Signage:

- Doors shall be equipped with signage visible from either side of the door, instructing the user as to the operation and function of the door
 - Signs shall be mounted 50" +/- 12" (1270mm +/- 305mm) from the floor to the center line of the sign
 - Letters shall be minimum 5/8" (16mm) high
- All low energy doors shall be marked with signage visible from both sides of the door, with the message: "Caution: Automatic Door"
 - The sign shall be minimum 6" (152mm) in diameter with black lettering on a yellow background
- When a knowing act switch is used to initiate the operation of the door operator, the doors shall be provided with signs on each side of the door where the switch is located, with the message: "Activate Switch To Operate"
 - The lettering shall be white and the background shall be blue
- Doors shall be equipped with signage visible from either side of the door, identifying the door with a handicap logo
 - The sign shall be mounted to the center line of the door
 - The sign shall be minimum 6" (152mm) in diameter with blue border and symbol on a white background

RELATED WORK REQUIREMENTS

Electrical:

- 120 VAC
- 60 Cycle
- 1 Phase
- 15 Amps