

7100SZ SERIES SAFEZONE®

Multi-Point Closer/Holder
with Motion Sensor



Norton®
ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

PATENTS

Patent Pending

CERTIFICATIONS

- Certified to meet ANSI/BHMA A156.15 Release Devices 
- UL / cUL listed for use on fire rated doors 
- UL10C listed for positive pressure fire test
- The following models comply with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1 
 - Push Side: 7122SZ, 7132SZ
 - Pull Side: 7113SZ, 7153SZ
- This product is manufactured in an ISO 9001 facility

SPECIFICATIONS

Manufacturer: Door closers for both interior and exterior openings are to be the product of a single source manufacturer.

Certifications: Closers to be certified ANSI/BHMA A156.15.

Electromechanical closer units to be a multi-point, closer/holder type with selective hold open positioning achieved by electronic solenoid locking of closer arm slide into the track assembly. Closer/holder units to have a maximum opening of 180° (hold open to 175°) and are fail safe to close the door in the event of electrical power interruption.

SafeZone Detection: Closer/holders units to have an integral sensor device monitoring a "zone of safety" at the door opening. *SafeZone* detection prevents the door from closing in the event of movement within the adjustable sensing field. Movement is detectable in both directions with selectable closer hold open time and sensor sensitivity.

Mechanical closer to be hydraulic type with full rack and pinion construction enclosed in a cast aluminum alloy shell. Internal hydraulic fluid is to be non-gumming and non-freezing. Include two non-critical valves to independently regulate sweep and latching speeds and an adjustable backcheck cushioning valve. All valves are adjustable by hex key. Provide spring power adjustment permitting a 50% increase in closing power over the minimum closing force for any closer size.

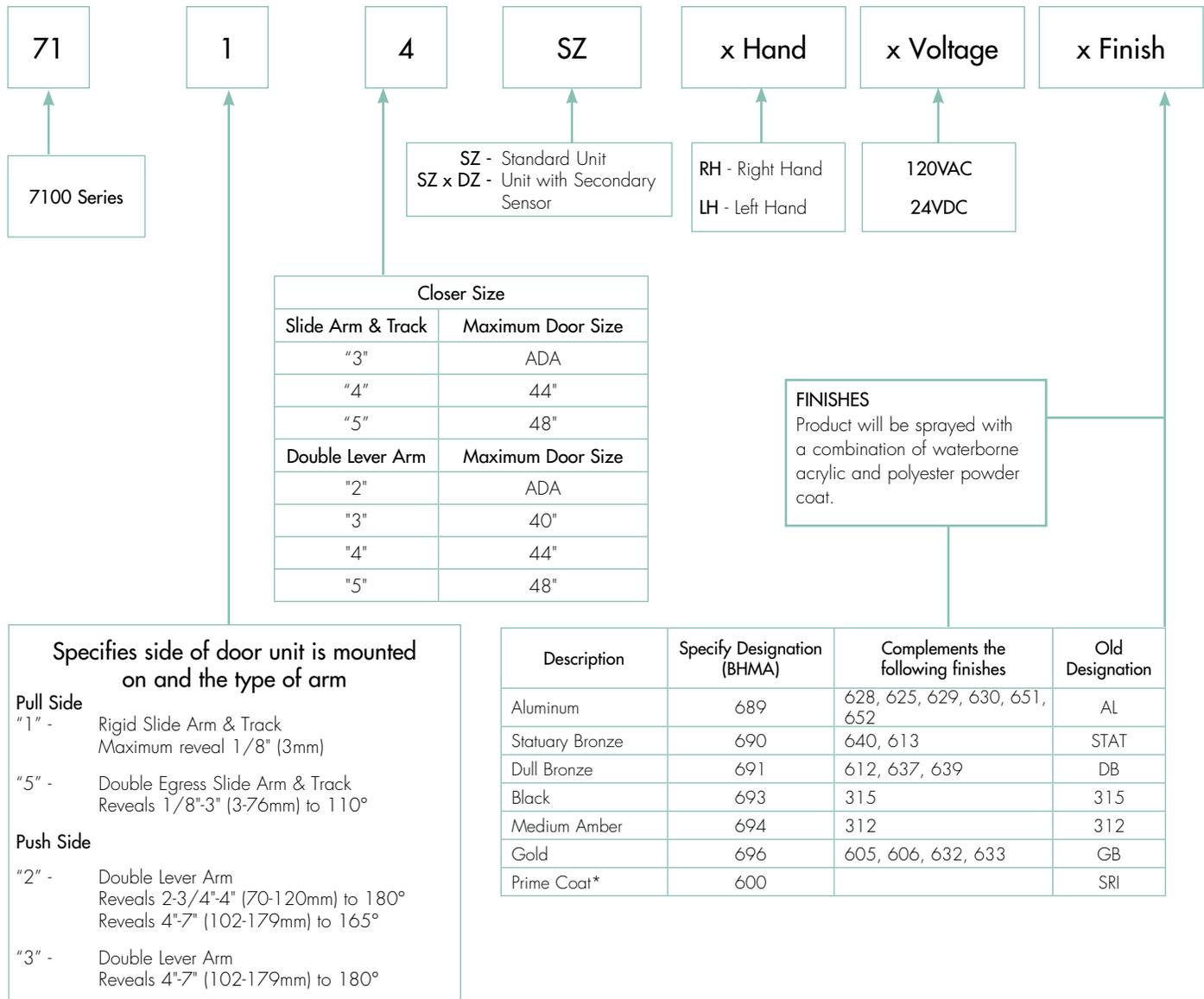
Mounting: Closer units can be surface mounted to the frame face for application on the pull (hinge side) side of door, or soffit mounted on the push side of the door frame with projection of no more than 2-5/8" (67mm) from the frame face. Frame face must be a minimum 2" and ceiling clearance a minimum of 4". Door must be hung on either butt hinges or 3/4" offset pivot hinges, minimum 1-3/4" to 2-1/4" thickness.

Installation: Provide optional handheld remote device for programming *SafeZone* sensor settings. Auxiliary door stops are recommended at closer/holder openings and required at doors opening beyond 110°. Interior installation only.

Power: Closer units operate on (120VAC, 60Hz) or (24VDC) with an amperage draw not exceeding (.086 Amps for 24VDC) (.051 Amps for 120VAC). Supplier to coordinate electrical requirements with electrical and alarm system engineers. Field wiring (and conduit) by others.

Electromechanical *SafeZone* Closer/Holder to be Norton® 7100SZ Series.

HOW TO ORDER



*600 is a special rust-inhibiting prime coat. Closers can be ordered prime coat only (specify closer x 600). An additional charge applies if finish coat is required over prime coat (ex: 7114SZ x 600 x 689).

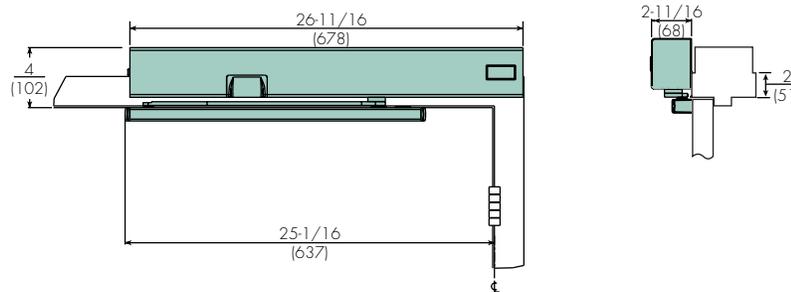
PULL SIDE

- Surface mounted to the pull (hinge) side frame face
- Slide track mounts directly to door
- Minimum 4" ceiling clearance required
- 1/8" (3mm) – maximum frame reveal
- Handed
- Standard units accommodate doors opening 180°; maximum 175° hold open (110° maximum for 7150SZ series).
- Buffer block assembly in the track will accommodate doors opening to 125°
- Auxiliary door stop is required for doors opening beyond 125°
- Fail Safe – solenoid will de-energize in the event of power failure
- Accommodates either concealed or surface wiring
- Selective Hold Open
 - Standard on all units (can be disengaged)
 - Activates the viewing sensor only when the door opens beyond a specific angle
 - Once the door is manually opened past the set point, SafeZone holds the door until movement is no longer detected
 - If the door is not opened to the predetermined opening angle, SafeZone operates like a regular door closer and simply closes the door



7110SZ Shown

TECHNICAL DETAILS



DOOR SIZE

| Maximum Door Size (cm) | Model Number | Model Number - Deep Reveal |
|------------------------|--------------|----------------------------|
| 40" (102) | 7113SZ | 7153SZ |
| 44" (112) | 7114SZ | 7154SZ |
| 48" (122) | 7115SZ | 7155SZ |

Note: Contact factory if door weight exceeds 250 lbs.

Minimum door width = 28" (71 cm)

Deep Reveals

- Special slide arm is available for reveals in excess of 1/8" (3mm) up to 3" (76mm) 7150SZ Series
- 110° maximum door swing

ELECTRICAL DATA

| Series Number | Operating Voltage (Input) | No. Power Input Lines* (Pairs) | Amperage Draw |
|------------------|---------------------------|--------------------------------|---------------|
| | | | Solenoid Coil |
| 7110SZ 7150SZ | 24VDC 120VAC | 1 | .070 @ 24VDC |
| | | | .035 @ 120VAC |

*Max/Min Operating Voltage Parameters +10% / -15%

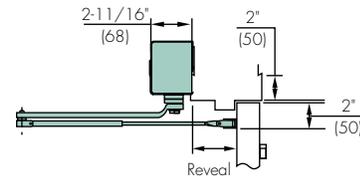
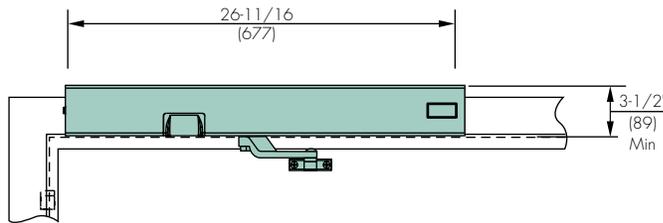
PUSH SIDE

- Surface mounted to the push (stop) frame face
- Double lever arm mounts directly to the door
- Minimum 4" (102mm) ceiling clearance required
- Handed
- Standard units accommodate doors opening 180°; maximum 175° hold open
- Fail Safe – solenoid will de-energize in the event of power failure
- Accommodates either concealed or surface wiring
- Selective Hold Open
 - Standard on all units (can be disengaged)
 - Activates the viewing sensor only when the door opens beyond a specific angle
 - Once the door is manually opened past the set point, SafeZone holds the door until movement is no longer detected
 - If the door is not opened to the predetermined opening angle, SafeZone operates like a regular door closer and simply closes the door



7120SZ Shown

TECHNICAL DETAILS



Note: For applications with narrow top rails or limited ceiling clearance, a special drop angle bracket is required. See page 7.

DOOR SIZE

| Maximum Door Size (cm) | Model Number | Maximum Degree of Opening | Reveal Range (Inches/mm) |
|------------------------|--------------|---------------------------|--------------------------|
| ADA | 7122SZ | 180° | 2-3/4" - 4" (70-102) |
| | 7132SZ | 165° | 4"-7" (102-178) |
| 40" | 7123SZ | 180° | 2-3/4" - 4" (70-102) |
| | 7133SZ | 165° | 4"-7" (102-178) |
| 44" | 7124SZ | 180° | 2-3/4" - 4" (70-102) |
| | 7134SZ | 165° | 4"-7" (102-178) |
| 48" | 7125SZ | 180° | 2-3/4" - 4" (70-102) |
| | 7135SZ | 165° | 4"-7" (102-178) |

Note: Contact factory if door weight exceeds 250 lbs.

ELECTRICAL DATA

| Series Number | Operating Voltage (Input) | Number Power Input Lines* (Pairs) | Amperage Draw |
|------------------|---------------------------|-----------------------------------|---------------|
| | | | Solenoid Coil |
| 7120SZ 7130SZ | 24VDC | 1 | .070 @ 24VDC |
| | 120VAC | | .035 @ 120VAC |