

4500 Series Electrified Surface Vertical Rod

Grade 1 Electrified Surface Vertical Rod



Application:

- Heavy duty commercial

Certifications:

- BHMA Certified ANSI A156.3 Grade 1
- UL305 Listed for Panic Hardware
- UL/cUL Listed for up to 3 hours for "A" label doors up to 10' in height
- UL10C Positive Pressure Rated
- UL10B Neutral Pressure Rated
- Complies with ANSI A117.1 for accessible building and facilities
- ANSI A250.13 Severe Windstorm Resistant Component (requires the use of windstorm reinforcement bracket, 2-649-0154, on Rim device)
- Miami Dade NOA #11-1219.14



PRODUCT SPECIFICATIONS

TRIM:

- Escutcheon trim
- Pull plate trim (excluding 45PT)

COVERS:

- Stainless steel, zinc

COVER TUBE:

- Aluminum

END CAPS:

- Zinc

DOOR WIDTH:

- 48" device is field sizeable to 40" door with electric latch retraction, electric dogging, or alarm kit
- 36" door minimum for devices with electric latch retraction, electric dogging, or alarm kit

DOOR HEIGHT:

- 7' (2134 mm) - Standard
- 8' (2438 mm) - Optional
- 10' (3048 mm) - Optional

DOOR THICKNESS:

- 1-3/4" (44 mm) - Standard up to 3", except with night latch which is 2-1/2"

STILE WIDTH:

- 5-3/8" - Minimum stile width required for single doors and standard 5/8" stop
- 5-3/4" - Minimum stile width required for double door and 2" mullion
- 4-7/8" - Minimum stile width required for double doors
- All stile widths are measured from door edge

FASTENERS:

- Wood and machine screws
- Thru-bolts

LATCHBOLT:

- 1/2" throw - top and bottom latches
- Stainless steel with dead latch

STRIKES:

- Steel with plated rollers - panic rated
- Solid steel - fire-rated
- Surface applied to frame with slotted holes for easy adjustment

FINISHES:

- US3, US4, US10, US10B, US26, US26D, US32D

FUNCTION:

- ELR - Electric Latch Retraction
- ED - Electric Dogging
- RX - Request to Exit
- ELRX - Electric Latch Retraction with Request to Exit
- EDRX - Electric Dogging with Request to Exit
- ALK - Alarm Kit
- AI - Authorized Ingress
- LM - Latch Bolt Monitor
- MLR - Motor Driven Electric Latch Retraction (Field Installation Kit 2-649-5007)
- MLRX - Motor Driven Electric Latch Retraction with Request to Exit

ELECTRICAL SPECIFICATIONS:

- ED; .225 AMP @ 24 Volt +/- 2 V
- RX, LM or AI; 125 VAC (3 AMP current); 30 VDC (2 AMP current)
- ELR; requires 2901/2902 power supply
- MLR; 1 AMP in rush @ 24 VDC +/- 2 V

WIRE REQUIREMENTS:

- EL and EU functions require 2 wires for power per device
- Status switches (i.e. RX, LM, etc.) require 2 wires per switch to monitor a normally open (NO) or normally closed (NC) position
- All devices provide 3 wires per switch so both NO and NC positions can be monitored
- Monitoring both positions will require 3 wires per switch

WARRANTY:

- One-year on electrified components
- Lifetime on hardware components

