

# 4500 Series Electrified Mortise

## Grade 1 Electrified Mortise Device



### Applications:

- 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 single doors
- UL10C Positive Pressure Rated
- UL10B Neutral Pressure Rated
- Complies with ANSI A117.1 for accessible buildings and facilities



## PRODUCT SPECIFICATIONS

### TRIM:

- Escutcheon trim (3902, 1-5/8" cylinder with standard cam sold separately)
- Mortise cylinder (1-3/8") with cylinder collar (11/16") x optional pull
- Mortise trim (45MB, 45MC, 45MD, 45MN) does not match center line of other 4500 Series trim (45BE, 45CE, 45DT, 45NL)

### COVERS:

- Stainless steel, zinc

### COVER TUBE:

- Aluminum

### END CAPS:

- Zinc

### DOOR WIDTH:

- 36" (914 mm) field sizeable to 30" (762 mm) panic-rated door and 28" (711 mm) fire-rated door for devices with any monitoring switches
- 48" (1219 mm) field sizeable to 36" (914 mm) panic- or fire-rated door for devices with any monitoring switches
- 36" field sizeable to 34" door minimum for devices with motorized electric latch retraction or delayed egress
- 36" door minimum for devices with electric dogging or alarm kit
- 48" field sizeable to 42" door minimum for devices with electric dogging or alarm kit
- 48" field sizeable to 40" door minimum with motorized electric latch retraction or delayed egress

### DOOR THICKNESS:

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

### STILE WIDTH:

- 4-1/2" (114 mm)
- All stile widths are measured from door edge

### FASTENERS:

- Wood and machine screws
- Thru-bolts

### LATCHBOLT:

- 3/4" (19 mm) throw with anti-friction tongue, all stainless steel with auxiliary deadlocking latch

### STRIKES:

- 4-7/8" (124 mm) ASA strike-standard
- Stainless steel with plated rollers included standard with panic devices

### FINISHES:

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

### FUNCTION:

- ED - Electric Dogging
- RX - Request to Exit
- EDRX - Electric Dogging with Request to Exit
- ALK - Alarm Kit
- 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; 125 VAC (3 AMP current); 30 VDC (2 AMP current)
- MLR; 1 AMP in rush @ 24 VDC +/- 2 V
- EL or EU only
  - Must specify 12 Volt or 24 Volt
  - .33 AMP @ 24 Volt AC or DC +/- 2 V
  - .61 AMP @ 12 Volt AC or DC +/- 1V

### 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

