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### **NEW**
- **4100DB - Nightlatch only function for mortise locks with deadbolts with 4 faceplates**
- **4100CDBM - Complete cylindrical, mortise, and deadbolt solution with 8 faceplates**
- **Black Powder Coat(BLK) - Now available on many Axion electric strikes.**

### Discontinued
- **014 Series** - replace with 3000 series using the 234 Faceplate (see pages 34 and 40)
- **LBM-1 and LBM-2**

**EFFECTIVE DATE || MARCH 1<sup>st</sup>, 2020**
SPECIALIZED SOLUTIONS
ELECTRIC STRIKE SERIES

SOLUTIONS FOR UNIQUE INSTALLATIONS
ONLY FROM TRINE

3275VRP
THE VERTICAL ROD LATCH SOLUTION

4100DBDL
THE DEADBOLT SPLIT LATCH DUAL MECHANISM SOLUTION
Provides emergency deadbolt override!
AND NIGHT LATCH FUNCTION FOR MORTISE LOCKS WITH DEADBOLTS

3250SOM-LC
STRIKE-O-MATIC™ SOLUTION
THE SMALLEST ELECTRIC STRIKE IN THE WORLD... DOES IT AGAIN!
The only electric strike with two locking mechanisms that function separately.

4100DBDL

Designed for deadbolt privacy, allowing for an emergency override.

Can be used for a night-latch function. (Leave the deadbolt latch un-powered).

4 Faceplates included

Best installation opportunities

www.trineonline.com
Key Features:

- Two independently operated latch systems.
- Use with mortise locks with dead bolts up to 1” projection.
- Flexible: Always be prepared!
  - 4 faceplates included
  - 12 & 24DC, 12-24 AC, Low Current Draw
  - 1 Trim Skirt (matching finish)
- Strong: 2,000 lbs. holding force on each latch
- Durable: Exceeds 1,000,000 Life Cycles
- Works with the Schlage® L Series & Yale® 8700 Series without relocating mounting tabs.
- 1 - 11/16” backset.

Standards:

- 3-hour fire rated – UL10C, Fire Tests of Door Assemblies.
- BHMA Grade 1: ANSI/BHMA A156.5
- UBC 7-2, Uniform Building Code.
- NFPA 252 - Issue: 1999/01/01
  Standard Methods of Fire Tests of Door Assemblies.
- ANSI/BHMA A156.31-2007
- Patent pending.

Price:

4100DBDL-32D (Satin Stainless Steel – BHMA630) $599

The following finishes are:

- 4100DBDL-US4 (Satin Brass – BHMA606) $669
- 4100DBDL-US10 (Satin Bronze – BHMA612)
- 4100DBDL-US10B (Dark Bronze – BHMA613E)

The following finishes are:

- 4100DBDL-32 (Polished Stainless Steel – BHMA629) $699
- 4100DBDL-US3 (Bright Brass – BHMA605)

To order Fail-safe see table to the right → RS price same as above.
3275VRP-LC

The 3275VRP is the smallest electric strike solution for vertical rod latches.

Utilizes the heavy duty 3000F series mechanism.

For Use with:
- Sargent 97/68
- Arrow 3700/S1150/600
- Cal-Royal 9860V/F9860V
- Townsteel ED1200F
- Von Duprin 33/35
- Von Duprin 98/99 (Without the Deadlocking option)

Features:
- All stainless steel construction
- BHMA Grade 1
- LC100 included - 12 & 24 AC/DC
- 1,500 lbs holding force
- 500,000+ life cycles
- Horizontal adjustment
- Metal installation template included
- 1/16” spacer plate provided
- Included Trine’s patented 4-pin anchoring system for stability.

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>PULL IN/HOLD AMPS</th>
<th>OHMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC</td>
<td>.743/.298</td>
<td>13</td>
</tr>
<tr>
<td>12VAC</td>
<td>.715/.277</td>
<td>13</td>
</tr>
<tr>
<td>24VDC</td>
<td>.397/.170</td>
<td>13</td>
</tr>
<tr>
<td>24VAC</td>
<td>.378/.173</td>
<td>13</td>
</tr>
</tbody>
</table>

DUTY: Intermittent/Continuous

Price: $389

LC100 included

Finishes:
- 3275VRP-LC-ALUM (Aluminum Powder Coat)
- 3275VRP-LC-DKBZ (Dark Bronze Powder Coat)
3250SOM-LC (STRIKE-O-MATIC™)
The only electric strike for use with Dor-O-Matic®

- Utilizes the reliable 3000F series mechanism.
- 1/8” Horizontal adjustment included.
- LC100 included for surge and kickback protection

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>PULL IN/HOLD AMPS</th>
<th>OHMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC</td>
<td>.743/.298</td>
<td>13</td>
</tr>
<tr>
<td>12VAC</td>
<td>.715/.277</td>
<td>13</td>
</tr>
<tr>
<td>24VDC</td>
<td>.397/.170</td>
<td>13</td>
</tr>
<tr>
<td>24VAC</td>
<td>.378/.173</td>
<td>13</td>
</tr>
</tbody>
</table>

DUTY: Intermittent/Continuous

Features:
- Two faceplates provided in aluminum & dark bronze finish
- All stainless steel mechanism
- BHMA Grade 1
- 1,500 lbs holding force
- 500,000+ life cycles
- Horizontal adjustment
- Patented

Price: $419

Finishes:
3250SOM-LC-ALDB
(Aluminum & Dark Bronze Powder Coated Faceplates)

LC100 included

www.trineonline.com
THE COMPLETE LINE OF ONE BOX SOLUTIONS

4100
- 4 FACEPLATES INCLUDED
- 3 HOUR FIRE RATED

FOR CYLINDRICAL & MORTISE LOCKS

4850
- HANDLES BOTH 1/2" & 3/4" LATCHES
- NOW HANDLES UP TO A 1" LATCH
- AVAILABLE 4850PoE & 4850LCD

FOR RIM PANIC EXIT DEVICES

4800F
- 3 HOUR FIRE RATED
- FIRE RATED AT NO ADDITIONAL COST

FOR RIM PANIC EXIT DEVICES

4200
- THE MOST FLEXIBLE STRIKE AVAILABLE!

FOR CYLINDRICAL & DEADLATCHES

323478F-LC
- THE SMALLEST ELECTRIC STRIKE IN THE WORLD

FOR CYLINDRICAL LOCKSETS

323478LC
- OUTDOOR RATED
- 3 HOUR FIRE RATED

THE GATE SOLUTION FOR CYLINDRICAL, MORTISE, & RIM PANIC EXIT DEVICES

EN400CMRP
THE ONE BOX SOLUTION
FOR CYLINDRICAL AND MORTISE LOCKS

4100

***NEW***
4100DB & 4100CDBM

SINGLE LATCH - NIGHTLATCH ONLY
FUNCTION FROM THE 4100 SERIES

SIMPLE TO USE, NO HANDING,
ALL THE SAME GREAT QUALITIES AS
THE 4100 ELECTRIC STRIKE
Key Features:

Use with cylindrical locksets, mortise locks without dead bolts and mortise exit devices.

- **1 - 3/8” shallow backset** allows the 4100 to be used in 2” fire rated frames with 1/2” sheetrock ingress.

- **Flexible:** *Always be prepared!*
  - 4 faceplates included
  - 12 & 24DC, 12-24 AC, Low Current Draw
  - 1 Trim Skirt (matching finish) which covers competitor cutouts

- **Strong:** 3,000 lbs. of Holding Force (factory tested)

- **Durable:** Exceeds 1,000,000 Life Cycles

- Works with the Schlage® L Series & Yale® 8700 Series without relocating mounting tabs.

Standards:

- **3-hour fire rated** – **UL10C**, Fire Tests of Door Assemblies.
- **Listed for UL1034 Burglary Resistant Electric Locking Mechanism, Grade 1**
- **294 (6th Edition) Listed**
- **BHMA Grade 1: ANSI/BHMA A156.5**
- **NFPA 252** - Issue: 1999/01/01 Standard Methods of Fire Tests of Door Assemblies.
- **USPT Patented #US20110241361**
- **ANSI/BHMA A156.31-2007**

*NOTE: WH fire listing is void when using fail safe action.*

**Premium trim skirt**

**Everything included.**

**4100 Series**

**THE ONE BOX SOLUTION**

**FOR CYLINDRICAL AND MORTISE LOCKS**

**4100**

**Trine Access Technology**

**Need an Installation Tool**

See page 52

The best way to mark & cut the 4100 is the ANSI-ITL.
Aesthetics Matter

The **Premium** stainless steel trim skirt cleans up the cut line.

Not worrying about a perfect cut on the face saves time and looks great. Since aesthetics matter, the premium trim skirt ALWAYS matches the finish on the faceplates and electric strike body.

Cutting Matters

1 - 3/8” Low profile backset provides ease of installation.

Why cut for a deadbolt 100% of the time when they are only used 5% of the time.

Electric Characteristics

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Current/Amps</th>
<th>Ohms</th>
<th>Duty</th>
<th>Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td>12DC</td>
<td>0.240</td>
<td>50</td>
<td>Intm./Cont.</td>
<td>Silent</td>
</tr>
<tr>
<td>24DC</td>
<td>0.114</td>
<td>210</td>
<td>Intm./Cont.</td>
<td>Silent</td>
</tr>
<tr>
<td>12AC @ 60hz</td>
<td>0.210</td>
<td>50</td>
<td>Intm.</td>
<td>Buzz</td>
</tr>
<tr>
<td>16AC @ 60hz</td>
<td>0.280</td>
<td>50</td>
<td>Intm.</td>
<td>Buzz</td>
</tr>
<tr>
<td>24AC @ 60hz</td>
<td>0.420</td>
<td>50</td>
<td>Intm.</td>
<td>Buzz</td>
</tr>
</tbody>
</table>

No additional “pacs” required.

Power Matters

Low Current Draw

.240 Amp at 12DC makes it very PoE Friendly

12 & 24DC :: 12 through 24AC

All the low voltage flexibility you need.

Low current draw, under 300 mA for 12DC, solves a number of installation and network load issues.

Price:

**4100-32D** (Satin Stainless Steel – BHMA630) $515

The following finishes are:

- **4100-US4** (Satin Brass – BHMA606)
- **4100-US10** (Satin Bronze – BHMA612)
- **4100-US10B** (Dark Bronze – BHMA613E)
- **4100-BLK** (Black Powder Coat)

The following finishes are:

- **4100-32** (Polished Stainless Steel – BHMA629)
- **4100-US3** (Bright Brass – BHMA605)

For Fail-safe action (locks with power) add “RS” to the item number. EX: **4100RS-32D** RS price same as above.

Faceplates, strike body, mounting screws, latch, and trim skirt all match the finish.
Key Features:

For use on mortise locks with deadbolts.
Night latch functionality included.

- Includes 4 faceplates and nightlatch bracket.
- Use with mortise locks with dead bolts up to 1” projection.

**Flexible:**
- 4 faceplates & trim skirt included
- Same standards & electrical characteristics as the 4100 (pg 10 & 11)

### Price:

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4100DB-32D</td>
<td>(Satin Stainless Steel – BHMA630)</td>
<td>$530</td>
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<tr>
<td>4100DB-US4</td>
<td>(Satin Brass – BHMA606)</td>
<td>$599</td>
</tr>
<tr>
<td>4100DB-US10</td>
<td>(Satin Bronze – BHMA612)</td>
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</tr>
<tr>
<td>4100DB-US10B</td>
<td>(Dark Bronze – BHMA613E)</td>
<td></td>
</tr>
<tr>
<td>4100DB-BLK</td>
<td>(Black Powder Coat)</td>
<td></td>
</tr>
</tbody>
</table>

The following finishes are:

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4100DB-32</td>
<td>(Polished Stainless Steel – BHMA629)</td>
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</tr>
<tr>
<td>4100DB-US3</td>
<td>(Bright Brass – BHMA605)</td>
<td></td>
</tr>
</tbody>
</table>

For Fail-safe action (locks with power) add “RS” to the item number. EX: 4100DBRS-32D

### Key Features:

All the features of the 4100DB
Includes 8 faceplates & nightlatch bracket.

The One Box Solution for Cylindrical, Mortise, and Deadbolts.

*Always be prepared!*

### Price:

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4100CDBM-32D</td>
<td>(Satin Stainless Steel – BHMA630)</td>
<td>$590</td>
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<tr>
<td>4100CDBM-US4</td>
<td>(Satin Brass – BHMA606)</td>
<td>$659</td>
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<tr>
<td>4100CDBM-US10</td>
<td>(Satin Bronze – BHMA612)</td>
<td></td>
</tr>
<tr>
<td>4100CDBM-US10B</td>
<td>(Dark Bronze – BHMA613E)</td>
<td></td>
</tr>
<tr>
<td>4100CDBM-BLK</td>
<td>(Black Powder Coat)</td>
<td></td>
</tr>
</tbody>
</table>

The following finishes are:

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4100CDBM-32</td>
<td>(Polished Stainless Steel – BHMA629)</td>
<td>$760</td>
</tr>
<tr>
<td>4100CDBM-US3</td>
<td>(Bright Brass – BHMA605)</td>
<td></td>
</tr>
</tbody>
</table>

For Fail-safe action (locks with power) add “RS” to the item number. EX: 4100CDBMRS-32D

RS price same as above.
4100LB
The microswitches you’ve used for 30 years are a thing of the past. They are affected by moisture and fail sooner than you expect.

The Trine LB AND LBSM make use of a sealed magnetic reed switch that is moisture and environmentally resistant with a life cycle count in excess of 2 million cycles.

Stop replacing strikes due to low cost microswitches and start using a real Latchbolt Monitoring Solution.

4100RX-250
• ¼” stainless steel ramp extensions.
• Perfect for Raco® frames or similar.
• Extension acts like a trim skirt to hide the cut line pocket.

4100LB/LBSM

<table>
<thead>
<tr>
<th>CHARACTERISTICS:</th>
<th>CONTACT RESISTANCE STATIC: 150 MILLIOHM</th>
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</thead>
<tbody>
<tr>
<td>CONTACT FORM:</td>
<td>C</td>
</tr>
<tr>
<td>CONTACT RATING:</td>
<td>10W</td>
</tr>
<tr>
<td>SWITCHING VOLTAGE:</td>
<td>30V MAX AC/DC</td>
</tr>
<tr>
<td>SWITCHING CURRENT:</td>
<td>0.5 A</td>
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<tr>
<td>BREAKDOWN VOLTAGE:</td>
<td>200 VDC</td>
</tr>
<tr>
<td>OPERATING TEMP:</td>
<td>-40° - 130° C</td>
</tr>
<tr>
<td>RATE:</td>
<td>2,000,000+ CYCLES</td>
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4100LBSM
Latchbolt & Strike Monitoring

Important:
For Latchbolt monitoring on the 4100DB and 4100DBDL
SEE PAGE 23

41-4200-AK: Accessories Kit
• Standard and Torx® screws
• 4100 & 4200 Latch shims
• Plug-in style wire connectors
• Sealed crimp connectors

Price: $30

Piezo Buzzers:
• BZ-12: Audible buzzer for 12DC power
• BZ-24: Audible buzzer for 24DC power

DC VOLTAGE ONLY

Price: $19

Additional Faceplates:

<table>
<thead>
<tr>
<th>Finish</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4100RX-250-32D (Satin Stainless Steel – BHMA630)</td>
<td>$49</td>
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<tr>
<td>US32 (Polished Stainless – BHMA629)</td>
<td>$75</td>
</tr>
<tr>
<td>US10B (Dark Bronze Powder Coat – BHMA613E)</td>
<td>$75</td>
</tr>
<tr>
<td>32D (Satin Stainless - BHMA630)</td>
<td>$40</td>
</tr>
<tr>
<td>32 (Polished Stainless Steel - BHMA629)</td>
<td>$70</td>
</tr>
<tr>
<td>US3 (Bright Brass - BHMA605)</td>
<td>$70</td>
</tr>
<tr>
<td>US4 (Satin Brass - BHMA606)</td>
<td>$60</td>
</tr>
<tr>
<td>US10 (Satin Bronze - BHMA612)</td>
<td>$60</td>
</tr>
<tr>
<td>US10B (Dark Bronze - BHMA613E)</td>
<td>$60</td>
</tr>
</tbody>
</table>

Prices for faceplates only
THE ONE BOX SOLUTION
FOR CYLINDRICAL AND DEADLATCHES

4200CC-10B-32D
2 FINISHES - 1 BOX

4200
THE BEST
LOW CURRENT DRAW
MOST FLEXIBLE
FRAME MATCHING
ELECTRIC STRIKE
ON THE MARKET
THE FLEXIBLE STRIKE

Key Features:

- Use with cylindrical locksets & dead latches in aluminum, metal, and wood frames. The 4200 solves problems auxiliary latch “pins” found on Adams Rite® locks.

- Tall Cavity solves door sag problems. Tallest latch in its class.

- 1 - 1/16” shallow backset solves frame depth problems.

- 4 faceplates included

- 12 & 24DC, 12-24 AC

- Trim Skirt Included - color matched trimskirts SOLVE bad cuts.

- Removeable Fascia: Change colors in the field to match your frame.

Standards:

- ANSI/BHMA Grade 1 - A156.31-2007
- ETL Listed for UL1034 Burglary Resistant Electric Locking Mechanism
- ETL Listed for UL294 (6th edition)

FLEXIBLE CAVITY

4200 Series
Henry Ford once said, “you can have any color you want, so long as it’s black."

And our competition agrees

CHANGE THE FINISH IN THE FIELD WITH OUR CK SYSTEM

www.trineonline.com
FLEXIBLE FACEPLATES

THE BEST SOLUTION FOR ALUMINUM FRAMES
4 FACEPLATES INCLUDED
6 FINISHES AVAILABLE

4200-32D: Stainless Steel Faceplates with Black Fascia – Use with the CK System ->
4200-ALUM: Aluminum Faceplates & Fascia
4200-BLK: Black Faceplates & Fascia
4200-DKBZ: Dark Bronze Faceplates & Fascia
4200-GRN: Green Faceplates & Fascia
4200-WHT: White Faceplates & Fascia

Add “RS” for Fail-safe model (ex: 4200RS-32D)

FLEXIBLE POWER

Power Matters
Low Current Draw
.240 Amp at 12DC makes it very PoE Friendly

12 & 24DC :: 12 through 24AC
All the low voltage flexibility you need.

41-4200-AK: Accessories Kit
- Standard and Torx® screws
- 4100 & 4200 Latch shims
- Plug-in style wire connectors
- Sealed crimp connectors

Price: $209

4200-32D: Stainless Steel Faceplates with Black Fascia – Use with the CK System ->
4200-ALUM: Aluminum Faceplates & Fascia
4200-BLK: Black Faceplates & Fascia
4200-DKBZ: Dark Bronze Faceplates & Fascia
4200-GRN: Green Faceplates & Fascia
4200-WHT: White Faceplates & Fascia

Add “RS” for Fail-safe model (ex: 4200RS-32D)

Price: $29

CK System

| CK-ALUM:  Aluminum Fascia/Trimskirt |
| CK-BLK:   Black Fascia/Trimskirt      |
| CK-DKBZ:  Dark Bronze Fascia/Trimskirt|
| CK-GRN:   Green Fascia/Trimskirt      |
| CK-WHT:   White Fascia/Trimskirt      |

Price: $80

CK-PK: This pack includes 4 Fascia & Trimskirt finish (except black)

www.trineonline.com
THE ONE BOX SOLUTION
FOR CYLINDRICAL AND DEADLATCHES

The 4200CC-10B-32D
BEST OPTION FOR THE 4200 SERIES - TRY ONE TODAY

Key Features:

• Two finish options in one box means you’re ready for most frames.

• Tall Cavity solves door sag problems. Tallest latch in its class.

• All the features of the regular 4200 - for an even better price. (does not contain the long faceplates)

4200CC-10B-32D (squared corners)  Price: $189
4200CCRD-10B-32D (rounded corners)

Key Features:

• The two most common faceplate sizes for aluminum frames plus two finish options all in one box.

• 6-7/8" faceplate included for changing out an Adams Rite™ 1850 S swingbolt

• Solves door sag problems. Tallest latch in its class.

4200CC7-10B-32D  - OR -  4200CC7RD-10B-32D

Price: $209

www.trineonline.com
THE ONE BOX SOLUTION
FOR RIM PANIC EXIT DEVICES

48000F  4850

2 COMPETITOR STRIKES IN 1
FIRE RATED BUT PRICED WITHOUT IT

THE 1/2” SOLUTION
3 SPACERS INCLUDED
6 THICKNESSES CREATED
THE FIRE RATED
3/4” RIM PANIC SOLUTION

The 4800F

FIRE RATING IS THE EVERYDAY STANDARD

• For use with surface mounted rim exit devices with up to 1” throw. For use in new or replacement installations in wood or metal door frames and tight installs.

• Comes with Trine’s Patented 4-Pin Anchoring System for strength and stability. (See page 24 for details)

• Cavity is completely open – which means the 4800 allows for an incremental depth up to a 1” throw – Competitor back plates do not allow for this versatility.

• Built-in electronics automatically allow 11 through 28 AC and DC Voltage input – with surge and kickback protection.

• Contains a one piece locking mechanism with one solenoid. Less parts mean less problems.

• Fail-safe/Fail-secure field selectable. WH fire listing is void when using fail safe action.

Standards:
Class A, 3 Hour Single door / frame configuration
- UL10C, Fire Tests of Door Assemblies
- UBC 7-2, Uniform Building Code
- CAN4 S104, Standard Method for Fire Tests of Door Assemblies
- NFPA 252
Issue: 1999/01/01 Standard Methods of Fire Tests of Door Assemblies
- BHMA Grade 1 Electric Strike

Electronics allow for PLUG and PLAY capability

<table>
<thead>
<tr>
<th>Electric Characteristics</th>
<th>Voltage</th>
<th>Pull In/Hold Amps</th>
<th>Duty</th>
<th>Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td>12DC</td>
<td>0.566/0.217</td>
<td>Intm./Cont.</td>
<td>Silent</td>
<td></td>
</tr>
<tr>
<td>24DC</td>
<td>0.253/0.099</td>
<td>Intm./Cont.</td>
<td>Silent</td>
<td></td>
</tr>
<tr>
<td>12AC</td>
<td>0.509/0.181</td>
<td>Intm./Cont.</td>
<td>Silent</td>
<td></td>
</tr>
<tr>
<td>16AC</td>
<td>0.405/0.149</td>
<td>Intm./Cont.</td>
<td>Silent</td>
<td></td>
</tr>
<tr>
<td>24AC</td>
<td>0.215/0.087</td>
<td>Intm./Cont.</td>
<td>Silent</td>
<td></td>
</tr>
</tbody>
</table>

Price:
4800F-32D (Satin Stainless Steel – BHMA630) $515
4800F-DKBZ (Dark Bronze Powder Coated – BHMA613E) $540
4800F-BLK (Black Powder Coated)
4800F-US4 (Satin Brass – BHMA606) $590
4800F-US10 (Satin Bronze – BHMA612)
4800F-32 (Polished Stainless Steel – BHMA629) $610
4800F-US3 (Bright Brass – BHMA605)

See Page 24 for options.

Need an Installation Tool
See page 52
The best way to mark & drill the 4800F is the 4850-ITL.

Two (2) 1/16” Spacer included
For use with surface mounted rim exit devices with up to a 1” throw.

Cavity is completely open – which means the 4850 allows for an incremental depth up to a 1” throw. Competitor back plates do not allow for this versatility.

Built-in electronics automatically allow 11 through 28 DC voltage input – with surge and kickback protection.

Comes with Trine’s Patented 6-Pin Anchoring System for strength and stability. (See page 24 for details)

Contains a one piece locking mechanism with one solenoid – less parts mean less problems.

Fail-safe/Fail-secure field selectable.

BHMA Grade 1 Electric Strike

---

**Electric Characteristics**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Pull In/Holding</th>
<th>Duty</th>
<th>Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Voltage</td>
<td>Current/Amps</td>
<td></td>
</tr>
<tr>
<td>12DC</td>
<td>0.500/0.178</td>
<td>Intm./Cont.</td>
<td>Silent</td>
</tr>
<tr>
<td>16DC</td>
<td>0.385/0.131</td>
<td>Intm./Cont.</td>
<td>Silent</td>
</tr>
<tr>
<td>24DC</td>
<td>0.255/0.084</td>
<td>Intm./Cont.</td>
<td>Silent</td>
</tr>
</tbody>
</table>

---

**Price:**

- **4850-32D** (Satin Stainless Steel – BHMA630) **$515**
- **4850-DKBZ** (Dark Bronze Powder Coated – BHMA613E) **$550**
- **4850-BLK** (Black Powder Coated)
- **4850-US4** (Satin Brass – BHMA606) **$595**
- **4850-US10** (Satin Bronze – BHMA612)
- **4850-32** (Polished Stainless Steel – BHMA629) **$615**

See Page 24 for options.

---

**Need an Installation Tool**

See page 52

The best way to mark & drill the 4850 is the 4850-ITL.

---

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---

3 Spacers included, 6 Thicknesses created, 1 Box Solution Provided.
THE LOW CURRENT DRAW SOLUTION FOR RIM PANIC EXIT DEVICES

The 4850PoE & LCD

Low Current Draw means a smaller, or no additional, power supply required for most installations.

Electric Characteristics

<table>
<thead>
<tr>
<th>Item</th>
<th>Voltage</th>
<th>Amps</th>
<th>Watts</th>
<th>Duty</th>
<th>Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td>4850PoE</td>
<td>12DC</td>
<td>0.260</td>
<td>3.12</td>
<td>Intm./Cont.</td>
<td>Silent</td>
</tr>
<tr>
<td>4850LCD</td>
<td>24DC</td>
<td>0.135</td>
<td>3.24</td>
<td>Intm./Cont.</td>
<td>Silent</td>
</tr>
</tbody>
</table>

Other surface mounted strikes start at:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Amps</th>
<th>Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>12DC</td>
<td>0.450</td>
<td>5.40</td>
</tr>
<tr>
<td>24DC</td>
<td>0.250</td>
<td>6.00</td>
</tr>
</tbody>
</table>

Price:

| 4850PoE-32D (Satin Stainless Steel – BHMA630) | $515 |
| 4850PoE-DKBZ (Dark Bronze Powder Coated – BHMA613E) | $550 |
| 4850PoE-BLK (Black Powder Coated) | |
| 4850PoE-US4 (Satin Brass – BHMA606) | $595 |
| 4850PoE-US10 (Satin Bronze – BHMA612) | |
| 4850PoE-32 (Polished Stainless Steel – BHMA629) | $615 |
| 4850PoE-US3 (Bright Brass – BHMA605) | |

See Page 24 for options.

***Replace “PoE” with the letters “LCD” when ordering the 24DC model***
**4801 - “Bolt” Strike**

- For use with the Yale Squarebolt® or Corbin Russwin Securebolt™ in new or replacement installations with wood or metal door frames.
- Use with surface mounted rim device with up to 1” throw.
- Cavity Opening -  
  Height: 1 17/32”  
  Width: 1 5/32”
- 6-Pin Anchor system provided to handle the toughest installations.
- Electronics and BHMA rating same as the 4800F - see page 20.

*Must Install 2 middle pins on the 4801/4801LB*

**Price:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Finish</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4801-32D</td>
<td>Satin Stainless Steel</td>
<td>$549</td>
</tr>
<tr>
<td>4801-DKBZ</td>
<td>Dark Bronze Powder Coated</td>
<td>$554</td>
</tr>
<tr>
<td>4801-BLK</td>
<td>Black Powder Coated</td>
<td>$618</td>
</tr>
<tr>
<td>4801-US4</td>
<td>Satin Brass</td>
<td>$549</td>
</tr>
<tr>
<td>4801-US10</td>
<td>Satin Bronze</td>
<td>$629</td>
</tr>
<tr>
<td>4801-32</td>
<td>Polished Stainless Steel</td>
<td>$629</td>
</tr>
<tr>
<td>4801-US3</td>
<td>Bright Brass</td>
<td>$629</td>
</tr>
</tbody>
</table>

**Active Latchbolt Monitoring (LB Option)**

- IR optical sensor
- Single pole, double throw, form “C” Relay, rated at 1-amp at 12-24 AC-DC
- N/O and N/C relay contacts
- Module power source 12-24 DC
- Current consumption is:  
  12v: standby 12.7ma  
  activate 22.8ma  
  24v: standby 19.4ma  
  activate 34.4ma
- All other features are the same as the base model.

**LB option on the 4100DB (pg 12) & 4100DBDL (pg 4)**

Utilizes TWO IR optical active sensor for the deadbolt and the latchbolt, with mortise devices. All other electrical information is the same as above.

**Price:**

**Dual Relay add $150.00 to the price of the base unit.**

<table>
<thead>
<tr>
<th>Example:</th>
<th>4800FLB-32D</th>
<th>4800DBLB-32D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add “LB” to</td>
<td>$99.00</td>
<td>$99.00</td>
</tr>
<tr>
<td>any 4800</td>
<td>to the price of the base unit.</td>
<td>to the price of the base unit.</td>
</tr>
<tr>
<td>series electric strike</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4800 Series Accessories & Patented Anchoring System

**PATENTED ANCHORING SYSTEM**

- Included in every 4800 series strike.

- Prevents strike from shifting on the frame for the most secure installation.

- Two center pins suggested for installs in high traffic locations.

- The Anchor System provides up to six additional points of contact for the toughest installations.

- The 4850 can have a total 8 points of connection between the frame and strike for maximum strength.

- Anchoring pins are .128” diameter. A #30 drill bit is recommended.

**THE CONFIGURATION IS YOUR CHOICE**

---

**4800 Series Accessories**

**MWH-5**
Removable Mullion Wire Harness for 4800 Series Electric Strikes
Contains:
- (1) 5’ Wire for mullion with male/female connectors.
- (1) Male connector & (1) Female connector.
- (1) Mullion cap, & (1) Wire adhesive.

**Price:**

$55

**4850-AK: ACCESSORIES KIT**
Contains:
- (1) Fail safe plunger with spring & (1) Fail safe cam.
- (6) Anchoring pins.  • (1) Wire connector
- (2) 1/4-20 x 1” UH Cap socket mounting screws
- (2) Wire caps

**Price:**

$30

**4800-AK: ACCESSORIES KIT**
Contains:
- (1) Fail safe plunger with spring
- (4) Anchoring pins.  • (1) Wire connector
- (2) 1/4-20 x 1” UH Cap socket mounting screws
- (2) Wire caps

**Price:**

$30

**4800-SS: TWO 1/16” SPACER PLATES IN 32D**
Fits all 4800 Series Electric Strikes

**Price:**

$29

**4800-SS-DKBZ: TWO 1/16” SPACER IN DARK BRONZE 613E**
Fits all 4800 Series Electric Strikes

**Price:**

$38

**4850-SS: 1/4” SPACER PLATE IN 32D**
Fits all 4800 Series Electric Strikes

**Price:**

$45

**4850-SS-DKBZ: 1/4” SPACER IN DARK BRONZE 613E**
Fits all 4800 Series Electric Strikes

**Price:**

$49

---

Need an Installation Tool
See page 52
The best way to mark & drill the 4801 is the 4850-ITL.
THE ONE BOX SOLUTION
FOR ALL GATE AND OUTDOOR INSTALLATIONS

3 HOUR FIRE RATED
(Except 400RP, 800, 850)
BURGLARY RATED
OUTDOOR RATED
294 RATED

EN400CMRP
THE GATE “KIT”
FOR ELECTRIC STRIKES

THE ONLY ELECTRIC STRIKE THAT CAN CHANGE LATCHES
TO WORK WITH CYLINDRICAL, MORTISE, AND RIM PANICS
**Key Features**

- Continuous Duty runs very cool (DC only)
- Durability of 1,000,000+ life cycles
- A holding force of 2,000+ lbs – UL Tested!
- **Fail-secure/Fail-safe is field reversible on DC units** (except on 430 & 435 models)*
- Left and Right handing is field reversible (except the offset 430 & 435 models)*
- Low Current Draw (DC Models*)
  - Voltage & Amp draw is the same across all EN Models

**Standards**

- UL Listed 10C - Fire-rated
  - Class A, 3-hour, single swing door
    (except on 400RP, 800 & 850 models)
- UL 1034 burglary-resistant
  - listed and suitable for outdoor use
- UL 294 (6th Edition) listed
- BHMA 156.31 2001, Grade 1
- NYC MEA 79-01-E

**How to Order**

Please provide the following information to ensure you receive the CORRECT electric strike.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Voltage</th>
<th>Finish</th>
<th>Handing</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>12DC</td>
<td>32D</td>
<td>RH</td>
</tr>
</tbody>
</table>

*Fail Safe Request: Please add “RS” to item# example: 400RS-12DC-32D-RH

Add $15 to list price of base model.

**Electric Characteristics**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Amps</th>
<th>Ohms</th>
<th>Duty</th>
<th>Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td>12AC</td>
<td>0.70</td>
<td>4.5</td>
<td>Intm.</td>
<td>Buzz</td>
</tr>
<tr>
<td>24AC</td>
<td>0.37</td>
<td>18.0</td>
<td>Intm.</td>
<td>Buzz</td>
</tr>
<tr>
<td>12DC</td>
<td>0.28</td>
<td>43.0</td>
<td>Intm./Cont.</td>
<td>Silent</td>
</tr>
<tr>
<td>24DC</td>
<td>0.15</td>
<td>164.0</td>
<td>Intm./Cont.</td>
<td>Silent</td>
</tr>
</tbody>
</table>

**Wire Lead Color Codes**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Wire Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>12AC</td>
<td>Blue &amp; Orange/White</td>
</tr>
<tr>
<td>12DC</td>
<td>Orange/White</td>
</tr>
<tr>
<td>24AC</td>
<td>Blue &amp; Black/White</td>
</tr>
<tr>
<td>24DC</td>
<td>Black/White</td>
</tr>
</tbody>
</table>

www.trineonline.com
EN400CMRP

THE ONLY ELECTRIC STRIKE SOLUTION
ON THE MARKET THAT CAN HANDLE

CYLINDRICAL, MORTISE,
DEADLATCHES, AND RIM PANICS

The Flexible 400CMRP Includes:

• A completed strike in the box (see bottom of page for details).

• An additional strike latch to handle mortise, cylindrical, and rim panic strikes.

• The EN400-Gatebox - mount the strike anywhere.

• The EN-24DC-CA - change voltage in the field.

• Fail safe/Fail secure field reversible.

• Always Low Current Draw

Price:

400CMRP-32D (Satin Stainless Steel – BHMA630) $545
- unit comes as a 400-12DC-32D-RH; RP (rim panic) latch and 24DC coil are in the box.

400RPCM-32D (Satin Stainless Steel – BHMA630) $545
- unit comes as a 400RP-24DC-32D-RH; CM (cylindrical/mortise) latch and 12DC coil are in the box.

Kits cannot be ordered with latchbolt (LB) monitoring. Please order from page 31 with a gatebox to match.
EN400

- Use with cylindrical and mortise Locks.
- Perfect for exterior doors and gates.
- Latch Shim Kit provided for horizontal cavity adjustment.
- Field reversible handing -- remember to pick a specific hand when ordering to save time.

**Price:** Refer to pg 26 for “How to Order”

<table>
<thead>
<tr>
<th>Finish</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>400-32D (Satin Stainless Steel – BHMA630)</td>
<td>$430</td>
</tr>
<tr>
<td>400-BLK (Black Powder Coat)</td>
<td></td>
</tr>
</tbody>
</table>

The following finishes are: $485

- 400-US3 (Bright Brass – BHMA605)
- 400-US4 (Satin Brass – BHMA606)
- 400-US10 (Satin Bronze – BHMA612)
- 400-US10B (Dark Bronze Powder Coat – BHMA613E)
- 400-32 (Polished Stainless – BHMA629)

EN400-Gatebox $50  EN400-Gatebox-AL $84
(Steel Gatebox, “unfinished”)  (Aluminum Gatebox)

EN400RP

- Use with rim panic devices
- Perfect for exterior doors and gates.
- Field reversible handing -- remember to pick a specific hand when ordering to save time.
- The Outdoor Rim Panic Solution

**Price:** Refer to pg 26 for “How to Order”

<table>
<thead>
<tr>
<th>Finish</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>400RP-32D (Satin Stainless Steel – BHMA630)</td>
<td>$430</td>
</tr>
<tr>
<td>400RP-BLK (Black Powder Coat)</td>
<td></td>
</tr>
</tbody>
</table>

The following finishes are: $485

- 400RP-US3 (Bright Brass – BHMA605)
- 400RP-US4 (Satin Brass – BHMA606)
- 400RP-US10 (Satin Bronze – BHMA612)
- 400RP-US10B (Dark Bronze Powder Coat – BHMA613E)
- 400RP-32 (Polished Stainless – BHMA629)

EN400-Gatebox $50  EN400-Gatebox-AL $84
(Steel Gatebox, “unfinished”)  (Aluminum Gatebox)

(Not UL 10C listed)
The Outdoor Electric Strike Solutions

EN Series

EN430 - CAVITY CENTERLINE
OFFSET 1"

For new or replacement installations in metal jambs. Use with mortise lock latchbolts with up to 7/8” throw without relocating centerline. Based on 1/8” door gap.

Latch Shim Kit provided for horizontal cavity adjustment.

Designed to work with Schlage L Series, Sargent 7700, 8100, & Yale 8700

Price: $460
430-32D (Satin Stainless Steel – BHMA630)

The following finishes are:
• 430-US3 (Bright Brass – BHMA605)
• 430-US4 (Satin Brass – BHMA606)
• 430-US10 (Satin Bronze – BHMA612)
• 430-US10B (Dark Bronze Powder Coat – BHMA613E)
• 430-32 (Polished Stainless – BHMA629)

The EN430 is handed, please specify LH or RH

EN435 - CAVITY CENTERLINE OFFSET 3/4”

For new or replacement installations in metal jambs. Use with mortise lock latchbolts with up to 7/8” throw without relocating centerline. Based on 1/8” door gap.

Latch Shim Kit provided for horizontal cavity adjustment.

Designed to work with Arrow, Falcon, Sargent 7800, 8200, 9200, Yale 8800

Factory tested by Best® to work with the 45H Series.

Price: $460
435-32D (Satin Stainless Steel – BHMA630)

The following finishes are:
• 435-US3 (Bright Brass – BHMA605)
• 435-US4 (Satin Brass – BHMA606)
• 435-US10 (Satin Bronze – BHMA612)
• 435-US10B (Dark Bronze Powder Coat – BHMA613E)
• 435-32 (Polished Stainless – BHMA629)

The EN435 is handed, please specify LH or RH

EN800 – GREAT FOR OUTDOOR GATES

For new or replacement installations in wood or metal single door jambs. Use with surface mounted rim exit devices with up to 1” throw. 3/4” thick face plate.

(Not UL 10C Listed)

Works with Rim Panic Exit Devices

Price: $490
800-32D (Satin Stainless Steel – BHMA630)

The following finishes are:
• 800-US3 (Bright Brass – BHMA605)
• 800-US4 (Satin Brass – BHMA606)
• 800-US10 (Satin Bronze – BHMA612)
• 800-US10B (Dark Bronze Powder Coat – BHMA613E)
• 800-32 (Polished Stainless – BHMA629)
EN850 – GREAT FOR OUTDOOR GATES

For new or replacement installations in wood or metal single door jambs. Use with surface mounted rim exit devices with up to 1” throw. 1/2” thick face plate.

(Not UL 10C Listed)

Works with Rim Panic Exit Devices.

---

EN950 – FITS FOLGER ADAM® 310-2 CUTOUT

For new or replacement installations in metal or wood jambs. Use with mortise exit devices, mortise locks without dead bolts and cylindrical locksets with up to 7/8” throw. Based on 1/8” door gap.

Latch Shim Kit provided for horizontal cavity adjustment.

---

EN960 – FITS FOLGER ADAM® 310-2 3/4” CUTOUT

For new or replacement installations in metal or wood jambs. Use with mortise exit devices, mortise locks without dead bolts and cylindrical locksets with up to 7/8” throw. Based on 1/8” door gap.

Latch Shim Kit provided for horizontal cavity adjustment.
EN Latchbolt Monitoring

The NEW LBSM for the 400, 950, 960

• Latchbolt monitoring utilizes a sealed magnetic reed switch and monitors if the lockset latch is engaged with the strike.
• Strike mechanism monitoring detects whether the strike is in the locked or unlocked position

**LBM CHARACTERISTICS:**
- CONTACT FORM: C
- CONTACT RATING: 10W
- SWITCHING VOLTAGE: 30V max AC/DC
- SWITCHING CURRENT: 0.5 amps
- CONTACT RESISTANCE
- STATIC: 150 milliohms (mΩ)
- BREAKDOWN VOLTAGE: 200 VDC
- OPERATING TEMP: -40° - 130° C
- RATE: 2,000,000+ cycles

**Price:**
Add “LBSM” to model 400, 950, or 960
Example: 400LBSM-12DC-32D
add $99 to the price of the base unit.
*Cannot add to 400CMRP/RPCM kits*

**TOUGH-AS-NAILS-GO-ANYWHERE-EN-SERIES**

has found a latchbolt monitor that can follow it outdoors and into the elements.

**EN-LB – 430/435 LATCHBOLT MONITORING**
• Remote central station notification
• Local alarm monitoring relay
• Triggering video surveillance/recording systems
• Active relay for trap door systems

**Price:**
Add “LB” to a 430 or 435 electric strike
Examples:
• 430LB-12DC-32D add $99 to the price of the base unit.

IR optical sensor – Adjustable sensitivity with simple screw adjustment – Single pole, double throw, Form “C” relay, rated at 1-amp at 12-24 AC/DC – N/O and N/C relay contacts – Module power source rating of 12-24VDC

Current consumption is:
0.034 amps at 12VDC & 0.045 amps at 24VDC

www.trineonline.com
# EN Series Accessories

## MODEL DESCRIPTION

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC-100</td>
<td>External unit that operates on 11 through 29 AC/DC input and provides inductive kickback and surge protection. When used with the EN Series, 12DC must be selected and the LC100 must be located within 10’ of the electric strike.</td>
<td>$62</td>
</tr>
<tr>
<td>EN-CA-12DC</td>
<td>Coil Assembly (Orange/White Wire Leads)</td>
<td>$49</td>
</tr>
<tr>
<td>EN-CA-24DC</td>
<td>Coil Assembly (Black/White Wire Leads)</td>
<td>$49</td>
</tr>
<tr>
<td>EN-CA-12AC</td>
<td>Coil Assembly (Blue/Orange &amp; White Wire Leads)</td>
<td>$49</td>
</tr>
<tr>
<td>EN-CA-24AC</td>
<td>Coil Assembly (Blue/Black &amp; White Wire Leads)</td>
<td>$49</td>
</tr>
<tr>
<td>EN-SLR-RS</td>
<td>(1) Fail Safe Slider for 430/435 Units</td>
<td>$35</td>
</tr>
<tr>
<td>TRS</td>
<td>(2) Tamper-Resistant Torx® #12-24 Screws</td>
<td>$10</td>
</tr>
<tr>
<td>EN-TS</td>
<td>Trim Skirt (Not for use with 950 &amp; 960)</td>
<td>$29</td>
</tr>
<tr>
<td>EN-LSK</td>
<td>EN Latch Shim Kit for horizontal cavity adjustment.</td>
<td>$18</td>
</tr>
<tr>
<td>ESK-1</td>
<td>EN Service Kit:</td>
<td>$18</td>
</tr>
<tr>
<td></td>
<td>• (1) Latch spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (2) PFH 12-24x1” mounting screws &amp; (2) PFH 6-32 x 1/8” cover screws</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (2) Wire nut caps &amp; (1) assembly pin and instruction sheet</td>
<td></td>
</tr>
<tr>
<td>BZ-12</td>
<td>Buzzer for 12 DC operation</td>
<td>$19</td>
</tr>
<tr>
<td>BZ-24</td>
<td>Buzzer for 24 DC operation</td>
<td>$19</td>
</tr>
<tr>
<td>EN400-Gatebox</td>
<td>The weldable gate box solution for use with the EN400 &amp; EN400RP</td>
<td>$50</td>
</tr>
<tr>
<td>EN400-Gatebox-AL</td>
<td>Outdoor rated electric strikes. (Steel gatebox is <em>Not Finished</em>).</td>
<td></td>
</tr>
<tr>
<td>EN400-Gatebox &amp; EN400-Gatebox-AL Dimensions</td>
<td>The aluminum gate box solution for use with the EN400 &amp; 400RP.</td>
<td>$84</td>
</tr>
</tbody>
</table>

## Dimensions

![Dimensions Image](image-url)
THE ONE BOX SOLUTION
THE SMALLEST ELECTRIC STRIKE
IN THE WORLD

THE
STANDARD

HEAVY DUTY
FIRE RATED

SMALL STRIKES - THE WAY YOU NEED THEM.

MAKING SMALL STRIKE INSTALLATIONS
EVEN EASIER

CHECK OUT THE ANSI-ITL
ON PAGE 52
Key Features
- BHMA GRADE 1
- Accepts up to 5/8” latch throw
- 500,000 + life cycles
- 1,500 lbs. holding force (1,200 lbs. for 334)
- Dynamic Force 70 ft/lb.
- Fail-safe Option - “RS” (locks with power)

Standards
- BHMA - A156.31
- BHMA Grade 1 - All models (except 334)
- BHMA Grade 2 - 334

** Note: 3000 series not recommended for use on uncovered exterior doors. **

Options
Piezo Buzzer for “Standard Models”
- BZ-12: Audible buzzer for 12DC power
- BZ-24: Audible buzzer for 24DC power

Piezo Buzzer for “LC Models”
- BZ-6: Audible buzzer for 6DC power

3000-AK: Accessories Kit for the 3000 series:
Includes: (2) 1/8” strike shims. (2) 1/16” faceplate shims (2) 1/8” Horizontal adjustment tabs. (2) Long faceplate screws. (2) Short faceplate screws.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>VOLTAGE</th>
<th>CURRENT/AMPS</th>
<th>OHMS</th>
<th>DUTY</th>
<th>SOUND</th>
<th>WIRE COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>3012</td>
<td>12VDC</td>
<td>.480</td>
<td>25</td>
<td>Intermittent</td>
<td>Silent</td>
<td>Blue</td>
</tr>
<tr>
<td>3024</td>
<td>24VDC</td>
<td>.240</td>
<td>100</td>
<td>Intermittent</td>
<td>Silent</td>
<td>White</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MODEL</th>
<th>VOLTAGE</th>
<th>PULL IN/HOLD AMPS</th>
<th>OHMS</th>
<th>DUTY</th>
<th>SOUND</th>
<th>WIRE COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>323478LC/323478FLC/30LC/30RS</td>
<td>12VDC</td>
<td>.743/.298</td>
<td>13</td>
<td>Intermittent/Continuous</td>
<td>Silent</td>
<td>Red</td>
</tr>
<tr>
<td></td>
<td>12VAC</td>
<td>.715/.277</td>
<td>13</td>
<td>Intermittent/Continuous</td>
<td>Silent</td>
<td>Red</td>
</tr>
<tr>
<td></td>
<td>24VDC</td>
<td>.397/.170</td>
<td>13</td>
<td>Intermittent/Continuous</td>
<td>Silent</td>
<td>Red</td>
</tr>
<tr>
<td></td>
<td>24VAC</td>
<td>.378/.173</td>
<td>13</td>
<td>Intermittent/Continuous</td>
<td>Silent</td>
<td>Red</td>
</tr>
</tbody>
</table>

** LC Must be used within 15’ of the mechanism **

3012 & 3024 Mechanism
- 7/8”
- Included spacers increase cavity depth up to 1/8”

30LC & 30RS Mechanism
- 1 13/16”
- Actual Size >
- Designed so a 1” drill bit can be used to hide unit in wood.

The LC100 is included with 30LC & 30RS ONLY and must be placed within 15’ of the mechanism!

<table>
<thead>
<tr>
<th>Item</th>
<th>Voltage</th>
<th>Function</th>
<th>Duty</th>
</tr>
</thead>
<tbody>
<tr>
<td>30LC</td>
<td>11-29AC/DC</td>
<td>Fail Secure</td>
<td>Continuous</td>
</tr>
<tr>
<td>30RS</td>
<td>11-29AC/DC</td>
<td>Fail Safe</td>
<td>Continuous</td>
</tr>
</tbody>
</table>

** Must use included LC100 **

Price: $189

Price: $189

<table>
<thead>
<tr>
<th>Item</th>
<th>Voltage</th>
<th>Function</th>
<th>Duty</th>
</tr>
</thead>
<tbody>
<tr>
<td>3012</td>
<td>12DC</td>
<td>Fail Secure</td>
<td>Intermittent</td>
</tr>
<tr>
<td>3024</td>
<td>24DC</td>
<td>Fail Secure</td>
<td>Intermittent</td>
</tr>
</tbody>
</table>

Price: $151

Price: $151

Now pick a faceplate - starting on page 38

-or-

Make it easy
And get a kit - next page

www.trineonline.com
FOR CYLINDRICAL LOCKS

323478LC KIT

323478LC Includes: @@
- (1) 234-26D – 2 3/4” Faceplate
- (1) 234X-375-26D – 2 3/4” Faceplate with extended ramp
- (1) 478-32D – 4 7/8” Faceplate
- (1) 30LC - 11-29 AC & DC Mechanism

323478LC KIT

30LC

FOR DEADLATCHES AND ALUMINUM FRAMES

3258458LC KIT

3258458LC Includes:
- (1) 258 – 2 3/4” Faceplate
- (1) 458LH – 4 5/8” Left Handed Faceplate
- (1) 458RH – 4 5/8” Right Handed Faceplate
- (1) 30LC - 11-29 AC & DC Mechanism

3258458LC KIT

258

Finish:
3258458LC-ALUM
(Aluminum Powder Coat)
3258458LC-DKBZ
(Dark Bronze Powder Coat – BHMA613E)

Price: $272

80% LESS FRAME CUTTING.
Smallest aluminum solution available - Great for glass store fronts

Fills frame preparation for many Adams Rite® Locks without relocating tabs.

See page 44 for cut out details.
The FIRE RATED SOLUTION
SMALLEST ELECTRIC STRIKE IN THE WORLD

323478F-LC

- Heavy Duty Stainless Steel Construction
- 1” Total Backset
- 1/8” Horizontal Adjustment
- 12-24 AC & DC - surge & kickback protection
- Includes LC100 & Trim skirt (CCFP)

Standards:
- 3-hour fire rated – UL10C, Fire Tests of Door Assemblies.
- ANSI/BHMA A156.31-2007
- BHMA Grade 1 - Heavy Duty

NOTE: WH fire listing is void when using fail safe action.

VOLTAGE | PULL IN/HOLD AMPS | OHMS | DUTY
--- | --- | --- | ---
12VDC | .743/.298 | 13 | Intermittent/Continuous
12VAC | .715/.277 | 13 | Intermittent/Continuous
24VDC | .397/.170 | 13 | Intermittent/Continuous
24VAC | .378/.173 | 13 | Intermittent/Continuous

Price:
- 323478F-LC-32D (Satin Stainless Steel – BHMA630) $409
- 323478F-RS-32D (Satiny Stainless Steel – BHMA630) $409
- 323478F-LC-DKBZ (Dark Bronze Powder Coat – BHMA613E) $428
- 323478F-RS-DKBZ (Dark Bronze Powder Coat – BHMA613E) $428

323478FX-LC

- As above.
- Contains the 478X-375 Faceplate for Timely®/Redi®/Raco Frames (instead of the 478 Faceplate.)

Refer to pg 34 for electrical characteristics.

Price:
- 323478FX-LC-32D (Satin Stainless Steel – BHMA630) $428
- 323478FX-LC-DKBZ (Dark Bronze Powder Coat – BHMA613E) $445

FORGING NEW SOLUTIONS WITH ELECTRIC STRIKES

The most flexible system with depth, ramp, and horizontal adjustments.

Price:
- 234/X Faceplate
- 1/8" HORIZONTAL ADJUSTMENTS

Need an Installation Tool
See page 52
The best way to mark & cut the 323478F is the ANSI-HTL.

Price:
- 323478FX-LC-32D (Satin Stainless Steel – BHMA630) $428
- 323478FX-LC-DKBZ (Dark Bronze Powder Coat – BHMA613E) $445

www.trineonline.com
3478F

- Heavy duty stainless steel construction
- 1” total backset
- 1/8” horizontal adjustment
- Two 1/16” shims for depth adjustment
- Trim skirt (CCFP) included
- 3478F-LC includes LC100

### Standards:
- 3-hour fire rated – UL10C, Fire Tests of Door Assemblies.
- ANSI/BHMA A156.31-2007
- BHMA Grade 1

Note: WH fire listing is void when using fail safe action.

### Price:

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3478F-LC-32D</td>
<td>$359</td>
</tr>
<tr>
<td>3478F-RS-32D</td>
<td>$378</td>
</tr>
<tr>
<td>3478F-LC-DKBZ</td>
<td>$335</td>
</tr>
<tr>
<td>3478F-RS-DKBZ</td>
<td>$354</td>
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</table>

### Electrical Specifications:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Pull In/Hold Amps</th>
<th>OHMS</th>
<th>Duty</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC</td>
<td>.743/.298</td>
<td>13</td>
<td>Intermittent/Continuous</td>
</tr>
<tr>
<td>12VAC</td>
<td>.715/.277</td>
<td>13</td>
<td>Intermittent/Continuous</td>
</tr>
<tr>
<td>24VDC</td>
<td>.397/.170</td>
<td>13</td>
<td>Intermittent/Continuous</td>
</tr>
<tr>
<td>24VAC</td>
<td>.378/.173</td>
<td>13</td>
<td>Intermittent/Continuous</td>
</tr>
</tbody>
</table>

FIRE RATING IS THE EVERDAY STANDARD

Compare the 3478F, the 323478F, the 4800F for rim panics, or even the outdoor rated EN400 against the competition.

We offer a stronger, more durable, fire rated product... for less.
THE SMALLEST ELECTRIC STRIKE IN THE WORLD
THE 3000 SERIES

478
Adjustable 4-7/8" ANSI standard faceplate

For new or replacement installation in wood, metal or aluminum frames. Use with cylindrical locksets having up to 5/8" throw, based on 1/8" door gap.

478-CCFP
INCLUDED WITH THE 478 FACEPLATE!
Competitor Cutout Filler Plate

Stainless plate designed to fill in the hole left by competitor models.

60% LESS CUTTING of Frame Face for ANSI 4 7/8” pre-prep frames.

No ugly black ramp!

Price:

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>478-32D</td>
<td>(Satin Stainless Steel – BHMA630)</td>
<td>$35</td>
</tr>
<tr>
<td>478-32</td>
<td>(Polished Stainless Steel – BHMA629)</td>
<td>$59</td>
</tr>
<tr>
<td>478-US10B</td>
<td>(Dark Bronze Powder Coat – BHMA613E)</td>
<td>$51</td>
</tr>
<tr>
<td>478-US3</td>
<td>(Bright Brass – BHMA605)</td>
<td>$66</td>
</tr>
<tr>
<td>478-US4</td>
<td>(Satin Brass – BHMA606)</td>
<td>$54</td>
</tr>
</tbody>
</table>

RD (Radiused Corners) add $5

478RO and 478LO (drop plates) are same cost as above.

Match with any 3000 Mechanism: 3012, 3024, 30LC, 30RS

Need an Installation Tool!
See page 52
The best way to mark & cut for the 478 is the ANSI-ITL

www.trineonline.com
**478X-375**

Adjustable Extended Lip Faceplate

Frame features an extended ramp to accommodate additional face of Timely®/Redi®/Raco® frames. Use with cylindrical locksets and deadlatches having up to 5/8” throw, based on 1/8” door gap.

Provides a finished look for wood frames with trim.

Made for Timely®/Redi®/Raco® Frames

**GOODBYE UNATTRACTIVE BLACK RAMPS!**

- Extended ramp (.375”) accommodates snap-on additional frame face of Timely® & Redi® Frames.
- Eliminates traditional 4 7/8” ANSI strike cutting and black ramp extensions.
- 1/8” Horizontal Adjustments help prevent door pre-load.

See page 45 for wood and metal frame preps.

**Ramp Extends .375”**

Need Fire Rated? See pg 36 for the 323478FX-LC 3 hour fire rated version

**Price:**

- 478X-375-32D (Satin Stainless Steel – BHMA630) $50
- 478X-375-US10B (Dark Bronze Powder Coat – BHMA613E) $66
- 478X-375-US3 (Bright Brass – BHMA605) $73

RD (Radiused Corners) add $5

**Accommodates for door sag.**

Match with any 3000 Mechanism: 3012, 3024, 30LC, 30RS

See page 38, the 478, for pricing and finish.

**478L0 / 478R0 Faceplate**

Same dimensions as 478 - except 3/16” cavity offset.

60% LESS FRAME CUTTING of Frame Face for ANSI 4 7/8” pre-prep frames. The strike opening on this face plate is offset by 3/16” from the center to accommodate door sag for the 478 (just change faceplates, and use the same mechanism)

www.trineonline.com
3000 Series

THE SMALLEST ELECTRIC STRIKE IN THE WORLD
THE 3000 SERIES

234 Faceplate - Smallest Electric Strike in the World

For new or replacement installations in metal frames. Use with cylindrical locksets having up to 5/8” throw, based on 1/8” door gap.

Price:
- 234-26D (Satin Chrome – BHMA651) $26
- 234-US10B (Dark Bronze Powder Coat – BHMA613E) $29
- 234-US3 (Bright Brass – BHMA605) $39
- 234-US4 (Satin Brass – BHMA606) $29

Match with any 3000 Mechanism: 3012, 3024, 30LC, 30RS

234X-375 Extended Faceplate

Standard ANSI prep features an extended ramp to accommodate additional face of Timely®/Redi® frames. Ramp is extended 3/8”. For new or replacement installations. Use with cylindrical locksets having up to 5/8” throw, based on 1/8” door gap.

Price:
- 234X-375-26D (Satin Chrome – BHMA651) $31
- 234X-375-US10B (Dark Bronze Powder Coat – BHMA613E) $34
- 234X-375-US3 (Bright Brass – BHMA605) $41

Match with any 3000 Mechanism: 3012, 3024, 30LC, 30RS

Great for wood frames!

Made for Timely®/Redi® Frames

334 Faceplate

For new or replacement installations in wood frames. Use with cylindrical locksets with up to 5/8” throw, based on 1/8” door gap.

Price:
- 334-26D (Satin Chrome – BHMA651) $31
- 334-US3 (Bright Brass – BHMA605) $36
- 334-US4 (Satin Brass – BHMA606) $33

Match with any 3000 Mechanism: 3012, 3024, 30LC, 30RS

www.trineonline.com
258 Faceplate

80% less frame cutting when compared to typical 4 7/8” electric strike installations.

For new or replacement installations in aluminum frames. Use with 4510, 4710 & 4750 Adams Rite® dead latches. Replaces 4502 strike plate with slight modification.

Price:
- 258-26D (Satin Chrome – BHMA651) $31
- 258-US10B (Dark Bronze Powder Coat – BHMA613E) $34

Match with any 3000 Mechanism: 3012, 3024, 30LC, 30RS

258RD Radius Faceplate

80% less door cutting when compared to typical 4 7/8” electric strike installations.

For new or replacement installations in aluminum doors. Use with 4510, 4710 & 4750 Adams Rite® dead latches. Replaces 4502 & 4900 strike plate with slight modification.

Price:
- 258RD-26D (Satin Chrome – BHMA651) $31
- 258RD-US10B (Dark Bronze Powder Coat – BHMA613E) $34

Match with any 3000 Mechanism: 3012, 3024, 30LC, 30RS

458 Faceplate

80% LESS FRAME CUTTING.

Fills the frame preparation of Adams Rite® MS Locks without relocating tabs for 6 7/8” electric strikes. For new or replacement installations in aluminum frames. Replaces Adams Rite® 4730/4501 strike plate with slight frame modification.

Price:
- 458-ALUM (Aluminum Powder Coat) $58
- 458-DKEZ (Dark Bronze Powder Coat – BHMA613E) $58

Match with any 3000 Mechanism: 3012, 3024, 30LC, 30RS

**Must Specify Handing**

RH or LH

Note: Faceplates are powder coated.

www.trineonline.com
ANSI FACEPLATE SOLUTIONS

234

2 3/4” Strike Plate

234 Faceplate

Typical 4 7/8” Electric Strike

478

4 7/8” Strike Plate

478 Faceplate

No need to remove Dust Box.

Typical 4 7/8” Electric Strike

Must remove Dust Box.

RED ON DIAGRAMS = AMOUNT OF CUTTING

ALUMINUM FACEPLATE SOLUTIONS

258

2 5/8” Strike Plate

258 Faceplate

Can use existing tab holes.

Typical 4 7/8” Electric Strike

New tabs are required.

458

4 5/8” Strike Plate

458 Faceplate

Can use existing tab holes.

Typical 6 7/8” Electric Strike

New tabs are required.

3000 SERIES STRIKES REDUCE AMOUNT OF LABOR, TIME, AND MATERIAL LOST ON DOOR FRAME

Note: 3000 series strikes not recommended for use on uncovered exterior doors.
**234 & 323478F-LC**
HOLLOW METAL FRAME

**234X-375 & 323478FX-LC**
TIMELY®/REDI®/RACO® FRAMES

NOTE: USE 2 INCH LONG (OR LONGER) WOOD SCREWS FOR MOUNTING.

---

**234 WOOD FRAME**

**234X-375 WOOD FRAME**

NOTE: USE 2 INCH LONG (OR LONGER) WOOD SCREWS FOR MOUNTING.
FRAME PREPS
THE 3000 SERIES

258 ALUMINUM FRAME

258RD ALUMINUM DOORS

Radius of faceplate matches the radius surface of the door.

458 ALUMINUM FRAME

NOTE: USE 2 INCH LONG (OR LONGER) WOOD SCREWS FOR MOUNTING.

334 WOOD FRAME

LEFT HAND SHOWN
478 WOOD FRAME

NOTE: USE 2 INCH LONG (OR LONGER) WOOD SCREWS FOR MOUNTING.

478X-375 WOOD FRAME

BEST LOOKING WOOD INSTALLATION

NOTE: USE 2 INCH LONG (OR LONGER) WOOD SCREWS FOR MOUNTING.

478 & 323478F-LC HOLLOW METAL FRAME

NO UGLY BLACK RAMPS!

478X-375 & 323478FX-LC TIMELY®/REDI®/RACO® FRAMES

www.trineonline.com
Light Commercial Electric Strikes

The original Trine line
FEATURES

• Durability - 500,000 Life Cycles
• Holding Force - 1000 lbs
• Only 1 Moving Part Locking Mechanism
• Non-Handed Operation
• Heavy Duty Latch Spring
• Fail Secure Standard (Unlocks with Power)

Voltage | Amps | Ohms | Sound | Duty | Wire Color
---|---|---|---|---|---
8-16VAC/4-6VDC | 1.3-2.7 | 1.4 | Buzz | Intermittent | Black
12VDC | 0.40 | 30.0 | Silent | Continuous | Red/White
24VAC | 1.40 | 4.7 | Buzz | Intermittent | Red
24VDC | 0.19 | 125.0 | Silent | Continuous | Black/White

001
For use in new or replacement installations in wood and metal jambs. For use with locksets having up to 5/8" throw, based on 1/8" door gap.

Face Plate 5-7/8" x 1-1/4" – Mortise Backset 1-9/16" – Cavity Depth 1/2" – Cavity Width 9/16" – Cavity Height 1-1/2"

Price:
001 (Brass Powder Coated) $53
001C (Satin Chrome – BHMA651) $60
RS (Fail Safe) - For DC Models only. add $20

002
For use in new or replacement installations in wood and metal jambs. Auxiliary lever ramps for use with locksets which contain dead locking levers. Use with locksets having up to 5/8" throw, based on 1/8" door gap.

Face Plate 7-15/16" x 1-7/16" – Auxiliary Ramp 2-7/8" – Mortise Backset 1-9/16" – Cavity Depth 1/2" – Cavity Width 9/16" – Cavity Height 1-1/2"

Price:
002 (Aluminum Powder Coated) $86
002DB (Dark Bronze Powder Coated) $89
RS (Fail Safe) - For DC Models only. add $20

003
For surface mount installations on wood or metal jambs for in swinging applications with surface mount. Use with locksets and night latches having up to 5/8" throw, based on 1/8" door gap. When mounted on a pair of doors, strike is mounted to the inactive leaf.

Surface Mount – Case 4-11/16" x 1-1/4" – Cavity Depth 1/2" – Cavity Width 9/16" – Cavity Height 1-1/2"

Price:
003 (Grey Moulded Cover) $96
RS (Fail Safe) - For DC Models only. add $20

004
For new or replacement installations in wood jambs. Use with locksets with individual dead bolts. Dead bolts cannot be released electrically. Use with locksets having up to 5/8" throw, based on 1/8" door gap.

Face Plate 6-1/4" x 1-3/8" – Dead bolt Knockouts Top & Bottom 1-11/16" x 9/16" – Mortise Backset 2-3/4" – Cavity Depth 1/2” – Cavity Width 9/16” – Cavity Height 1-1/2”

Price:
004 (Brass Powder Coated) $98
004C (Satin Chrome – BHMA651) $105
004DB (Dark Bronze Powder Coated) $103
RS (Fail Safe) - For DC Models only. add $20
**00 Series**

### 005
For use in replacement installations in wood jambs and iron gates. Use with bored cylindrical locksets having up to 5/8” throw, based on 1/8” door gap.

**Face Plate** 3-1/2” x 1-3/8” – Mortise Backset 2-3/4” – Cavity Depth 1/2” – Cavity Width 9/16” – Cavity Height 1-1/2”

*Need to upgrade to something stronger?*  
- Try the HD005 (below)

### HD005
Screwed-on Faceplate and reinforced Latch Pin provide additional strength for **HEAVY DUTY** installations.  
For use in replacement installations in wood jambs and iron gates. Use with bored cylindrical locksets having up to 5/8” throw, based on 1/8” door gap.

**Face Plate** 3-1/2” x 1-3/8” – Mortise Backset 2-3/4” – Cavity Depth 1/2” – Cavity Width 9/16” – Cavity Height 1-1/2”

### S005
For use in replacement installations in wood jambs and iron gates. Use with bored cylindrical locksets having up to 3/4” throw, based on 1/8” door gap.

**Face Plate** 3-1/2” x 1-3/8” – Mortise Backset 2-7/8” – Cavity Depth 5/8” – Cavity Width 23/32” – Cavity Height 1-1/2”

### 006
For surface mount installations on metal or wood jambs, for in swinging applications. Use with locksets or night latches having up to 5/8” throw, based on 1/8” door gap. When mounted on a pair or doors, strike is mounted to the inactive leaf.

**Case** 2-1/8” x 1-3/16” – Surface Mounted – Die Cast Housing – Cavity Depth 1/2” – Cavity Width 1/2” – Cavity Height 1-3/8”

### 007
For use in new or replacement installations in wood jambs. Use with locksets having up to 3/4” throw, based on 1/8” door gap.

**Face Plate** 4-7/8” x 1-1/4” – Mortise Backset 2-7/8” – Cavity Depth 5/8” – Cavity Width 3/4” – Cavity Height 1-1/2

### Price:

- **005** (Brass Powder Coated) $65  
- **005C** (Satin Chrome – BHMA651) $71  
- **RS** (Fail Safe) - For DC Models only. add $20

- **HD005** (Brass Powder Coated) $86  
- **HD005C** (Satin Chrome – BHMA651) $91  
- **RS** (Fail Safe) - For DC Models only. add $20

- **S005** (Brass Powder Coated) $76  
- **S005C** (Satin Chrome – BHMA651) $84  
- **RS** (Fail Safe) - For DC Models only. add $20

- **006** (Brass Powder Coated) $107  
- **RS** (Fail Safe) - For DC Models only. add $20

- **007** (Brass Powder Coated) $101  
- **007C** (Satin Chrome – BHMA651) $106  
- **RS** (Fail Safe) - For DC Models only. add $20
Light Commercial Electric Strikes

The Adjustable 2000 Series

FEATURES
- Allows adjustment for wider latch bolts & poorly aligned doors & locksets
- 1/8” Horizontal Latch Adjustment
- Releases Under Slight Door Preload
- Life Cycles - 500,000
- Holding Force - 900 lbs
- Solid Cast Latch - Chrome Plated
- Non-Handed Operation

### Voltage: 6-14VAC 0.44 - 1.10
### Current/Amps: 8.5
### Ohms: Buzz
### Sound: Intermittent

### Voltage: 6-14VDC 0.70 - 1.60
### Current/Amps: 8.5
### Ohms: Silent
### Sound: Intermittent

### Voltage: 16-24VAC 0.22 - 0.33
### Current/Amps: 50.0
### Ohms: Buzz
### Sound: Intermittent

### Voltage: 16-24VDC 0.32 - 0.47
### Current/Amps: 50.0
### Ohms: Silent
### Sound: Intermittent

### Voltage: 12VDC 0.20
### Current/Amps: 60.0
### Ohms: Silent
### Sound: Continuous

### Voltage: 24VDC 0.12
### Current/Amps: 120.0
### Ohms: Silent
### Sound: Continuous

### 2001
For use in new or replacement wood or metal jamb installations with locksets having up to 5/8” throw, based on 1/8” door gap.

Face Plate 5-7/8” x 1-1/4” – Narrow Style Face Plate – Mortise Backset 1-9/16” – Cavity Depth 9/16” – Cavity Width 5/8” – Cavity Height 1-11/16”

NOT AVAILABLE IN FAIL-SAFE FUNCTION. SEE 001 ON PAGE 47

### 2002
For use in new or replacement, aluminum or hollow, metal jamb installations. Auxiliary lever ramps for use with locksets containing dead-locking levers. Use with latch bolts having up to 5/8” throw, based on 1/8” door gap.

Face Plate 7-15/16” x 1-7/16” – Auxiliary Ramp Height 2-7/8” – Mortise Backset 1-9/16” – Cavity Depth 9/16” – Cavity Width 5/8” – Cavity Height 1-11/16”

### 2007
For use in new or replacement installations in metal jambs. Fits a standard 4-7/8” ANSI prep with little jamb modification. Use with locksets having up to 5/8” throw, based on 1/8” door gap.

Steel Face Plate 4-7/8” x 1-1/4” – Narrow Style Face Plate – Mortise Backset 1-9/16” – Cavity Depth 9/16” – Cavity Width 5/8” – Cavity Height 1-11/16”

### 2009
For use in new or replacement installations in metal jambs. Centerline of the latch is 3/8” below ANSI centerline for offset applications. Fits a standard 4-7/8” ANSI prep with little jamb modification. Use with locksets having up to 5/8” throw, based on 1/8” door gap.

Steel Face Plate 4-7/8” x 1-1/4” – Narrow Style Face Plate – Mortise Backset 1-9/16” – Cavity Depth 9/16” – Cavity Width 5/8” – Cavity Height 1-11/16”

### 2012
For use in new or replacement, aluminum or hollow, metal jamb installations with locksets having up to 5/8” throw, based on 1/8” door gap.

Steel Face Plate 4-7/8” x 1-1/4” – Auxiliary Ramp 3-3/8” – Mortise Backset 1-9/16” – Cavity Depth 9/16” – Cavity Width 5/8” – Cavity Height 1-11/16”

The Adjustable 2000 Series

Price:
- 2001 (Brass Powder Coated) $96
- 2002 (Aluminum Powder Coated) $111
- 2007 (Brass Powder Coated) $117
- 2009 (Brass Powder Coated) $124
- 2012 (Brass Powder Coated) $129

Price:
- 2001C (Satin Chrome – BHMA651) $102
- 2002DB (Dark Bronze Powder Coated) $115
- 2007DB (Dark Bronze Powder Coated) $120
- 2009C (Satin Chrome – BHMA651) $129
- 2012DB (Dark Bronze Powder Coated) $129

Price:
- RS (Fail Safe) - For DC Models only. add $20

www.trineonline.com
### The Adjustable 2000 Series

**2678**
For use in new or replacement aluminum, or hollow, metal jamb installations. Auxiliary lever ramps for use with locksets containing dead-locking levers. Useful when converting an MS Lock to a dead latch. Up to 5/8” throw, based on 1/8” door gap.

**Face Plate** 6-7/8” x 1-1/4” – Auxiliary Ramp 3-3/8” – Mortise Backset 1-9/16” – Cavity Depth 9/16” – Cavity Width 5/8” – Cavity Height 1-11/16”

### Features
- Releases Under Slight Door Preload
- Tall latch cavity for easier door alignment.
- Life Cycles - 500,000
- Holding Force - 1200 lbs
- Solid Brass Locking System
- Cast Steel Latch
- Heavy Duty Latch Spring

### Voltage
- **10-16VAC & 12VDC**
  - Current/Amps: 0.60 - 0.90
  - Ohms: 10.0
  - Sound: Buzz
  - Duty: Intermittent

- **24VAC**
  - Current/Amps: 0.42
  - Ohms: 47.0
  - Sound: Buzz
  - Duty: Intermittent

- **24VDC**
  - Current/Amps: 0.20
  - Ohms: 119.0
  - Sound: Silent
  - Duty: Continuous

### Price:
- **2678**
  - Price (Brass Powder Coated): $125
  - Price (Satin Chrome – BHMA651): $131
  - Price (Satin Bronze – BHMA639): $125
  - RS (Fail Safe) - For DC Models only. add $20

### The ANSI 01 Series

**012**
For new or replacement installations in metal jambs. Use with locksets having up to 5/8” throw, based on 1/8” door gap.

**Face Plate** 4-7/8” x 1-1/4” – Mortise Backset 1-5/8” – Cavity Depth 9/16” – Cavity Width 9/16” – Cavity Height 1-1/2”

### Features
- Durability - 300,000 Life Cycles
- Holding Force - 1200 lbs
- Solid Brass Locking System
- Cast Steel Latch
- Heavy Duty Latch Spring

### Voltage
- **10-16VAC & 12VDC**
  - Current/Amps: 0.60 - 0.90
  - Ohms: 10.0
  - Sound: Buzz
  - Duty: Intermittent

- **24VAC**
  - Current/Amps: 0.42
  - Ohms: 50.0
  - Sound: Buzz
  - Duty: Intermittent

- **24VDC**
  - Current/Amps: 0.20
  - Ohms: 47.0
  - Sound: Silent
  - Duty: Continuous

### Price:
- **012**
  - Price (Brass Powder Coated): $127
  - Price (Satin Chrome – BHMA651): $131
  - Price (Fail Safe) - 24DC Model only. add $30

### The 1000 Series

**1001-2**
For use in new or replacement installations in wood and metal jambs. For use with locksets having up to 5/8” throw, based on 1/8” door gap.

**Steel Face Plate** 5-7/8” x 1-1/4” – Narrow Style Face Plate – Mortise Backset 1-1/2” – Cavity Depth 9/16” – Cavity Width 9/16” – Cavity Height 1-11/16”

**1002-2**
For use in new or replacement installations in wood and metal jambs. Auxiliary lever ramps for use with locksets which contain dead locking levers. For use with locksets having up to 5/8” throw, based on 1/8” door gap.

**Face Plate** 7-15/16” x 1-7/16” – Auxiliary Ramp 2-7/8” Height – Mortise Backset 1-1/2” – Cavity Depth 9/16” – Cavity Width 9/16” – Cavity Height 1-11/16”

### Price:
- **1001-2**
  - Price (Brass Powder Coated): $75
  - Price (Satin Chrome – BHMA651): $81

- **1002-2**
  - Price (Aluminum Powder Coated): $98
  - Price (Dark Bronze Powder Coated): $101

www.trineonline.com
ACCESSORIES

4850-ITL
INSTALL 4800 SERIES STRIKES FASTER

ANSI-ITL
INSTALL 2-3/4" & 4-7/8" ELECTRIC STRIKES FASTER.

018-4/017TDC-4
UTILIZES ROLLING CODE WITH OVER 4+ BILLION CODES AND IN A VARIETY OF COLORS.
4850-ITL

“Feel” the door work with the strike on the frame... then drill.

- 4850-ITL installation tool has magnets installed which allows it to attach to steel frames, so you can:
  - Adjust and center the strike before ever drilling a hole eliminating any mistakes.
  - Increase your installation speed on every job.

- 1/4” Spacer included, so the tool becomes 3/4” thick, and is also magnetized. (screws on side anchor the spacer to the tool)

- Included custom center punch makes precise marks on the frame for drilling. Marks all anchor pin holes, mounting screws, power, and optional LB sensor.

- Patented

Price:
4850-ITL $399

ANSI-ITL

A comprehensive installation tool for our Premium 2-3/4” and 4-7/8” ANSI electric strikes

- The ANSI-ITL installation tool was designed to allow you to easily install these popular strikes:
  - 234
  - 234X-375
  - 4100
  - 4100DBDL
  - 4200
  - 478
  - 478X-375
  - EN400

- Screw directly into the pre-existing tabs and mark.
- Carbide tip scribe included
- Adjustability allows for use with Timely®/Redi®/Raco® style frames.

Price:
ANSI-ITL $69
234WB – STROBE CHIME “See” Your Door Ring!!

- Sound and Sight - 8 note Westminster or 2-note sound with flashing parallel light
- Simply plug-in - as many as desired wherever desired
- Volume control - adjust to desired intensity
- Up to 100 ft. operating range
- 128 selectable channels. Setting the same code on multiple devices will allow them to chime at the same time (if within range). Setting different codes will allow multiple chimes in proximity to work without interference.
- 80db at 3 feet at max setting
- 6 Foot-Candles strobe output
- FCC-IC approved, UL, CSA recognized

Price: 234WB $92

232 – BATTERY OPERATED

- Field selectable 2 note or 1 note
- Requires 3 “C” batteries (not included)
- Up to 100 ft operating range
- 64 selectable security codes. Setting the same code on multiple devices will allow them to chime at the same time (if within range). Setting different codes will allow multiple chimes in proximity to work without interference
- A-23 battery included
- FCC-IC approved

Price: 232 $33

233 – PLUG IN

- Field selectable 8 note or 2 note
- Plugs into 120VAC outlet
- Automatically paired out of box. Maximum of 5 pushbuttons may be linked to 1 wireless chime at a time
- Up to 150 ft. operating range (increased range)
- A-23 battery included
- UL recognized, FCC-IC approved

Price: 233 $42

233 unit was updated as of 10/31/19
See website for more information and instruction sheet.
New Upgraded Wireless Controller & Transmitter

017TDC-4 – WIRELESS CONTROLLER
UTILIZES ROLLING CODE
• 500’ Range
• 2 Channel receiver and transmitter
• Independently programmable A & B channel.
• 4, 8, 16 second delay or alternate action trigger
• Dry contact relay rated up to 30V @ 5 amps
• Single push button program erase (for security)
• Screw terminal connections
• Up to 8 transmitters per one receiver.
• FCC-IC approved.

• Not backwards compatible with any previous 017TDC/018 models.

Price:
017TDC-4 $90

018-4 – WIRELESS TRANSMITTER
TWO BUTTON TRANSMITTER
• Four color options
• 8 transmitters per receiver.
• LED indicates operation
• Rolling Code technology provides self learning and 4+ billion codes.
• A-23 Battery Included
• FCC-IC approved

Please specify color when ordering

www.trineonline.com
206-2 – MOTION ALERT ANNUNCIATOR
- Moving objects are detected by changes in reflected light
- Battery operated with 2 “C” cells (not included)
- 3 selectable tones, 8 note melody, 2 note repeated, 2 note alternating tone
- Off, high & low volume control switch 77db (low) and 84db (high) @ 3 ft
- Durable white moulded plastic case 3-1/6” x 4-3/8” x 2-3/8”

Price:
206-2 $29

206-3 – WIRELESS ENTRY/EXIT SIGNAL KIT
- 1 note, 2 note or 8 note melody chime, field selectable
- Wireless battery-operated door contact switch A-23 battery (included)
- Up to 100ft range – 128 selectable codes. Setting the same code on multiple devices will allow them to chime at the same time (if within range). Setting different codes will allow multiple chimes in proximity to work without interference
- Receiver plugs into 120 VAC outlet
- Adjustable volume control, 74db (low) 82db (high) @ 3ft
- UL recognized, FCC-IC approved

Price:
206-3 $59

215 – WINDOW/DOOR ENTRY/EXIT SIGNAL KIT
- N/O magnetic contact switch activates alarm
- User can set for Chime or 105db alarm sound
- On/Off switch
- No wiring
- (3) L1154 batteries (included)
- Contacts provided with mounting tape

Price:
215 $13

342 – ELECTRIC DOOR SWITCH (NARROW STYLE)
- Face plate brass finish 3-7/8“H x 1-1/4”W
- Box 2-5/8”H x 1-3/16”W x 2-1/8”D
- Switch Rating: 120VAC, 10 Amps 250VAC, 5 Amps
- Field selectable N/C or N/O
- Stamped steel case – UL, CSA listed switch & wire leads
- Faceplate Powder Coated Brass
- 4 - knockouts 7/8”

Price:
342 $22
## Door Chimes, Bells, Buzzers, & Chime Kits

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Accessories</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>CHIME KIT</td>
<td>(1) White chime base, (2) Unlighted 66W white push buttons, and (1) 16VAC-10VA Hard wire transformer</td>
<td>$30</td>
</tr>
<tr>
<td>203</td>
<td>CHIME KIT</td>
<td>(1) White chime base, (1) Lighted 45LG push button, and (1) 16VAC-10VA Hard wire transformer</td>
<td>$30</td>
</tr>
<tr>
<td>240</td>
<td>CHIME</td>
<td>Chime base with solid white cover</td>
<td>$30</td>
</tr>
<tr>
<td>296</td>
<td>CHIME</td>
<td>Chime base with solid white cover</td>
<td>$22</td>
</tr>
<tr>
<td>270</td>
<td>BUZZER</td>
<td>Enclosed buzzer – 92db sound at 3 feet</td>
<td>$17</td>
</tr>
<tr>
<td>272</td>
<td>BELL</td>
<td>100 db sound at 3 feet – 2-1/2” open bell</td>
<td>$19</td>
</tr>
<tr>
<td>274</td>
<td>BELL</td>
<td>100 db sound at 3 feet – 4” open bell</td>
<td>$21</td>
</tr>
<tr>
<td>275</td>
<td>ENCLOSED BELL</td>
<td>88 db at 3 feet</td>
<td>$24</td>
</tr>
<tr>
<td>276</td>
<td>ENCLOSED BELL &amp; BUZZER</td>
<td>88 db at 3 feet</td>
<td>$28</td>
</tr>
</tbody>
</table>

www.trineonline.com
For electric strikes, bells, buzzers, chimes, and other low voltage devices. A complete line of U.L. Listed step down transformers. Easy to install, low voltage, 120AC primary for residential, commercial and industrial uses. Transformers will safely take themselves off line when they overheat. Transformers can be either base mounted or attached to standard knockouts on boxes or cabinets (except plug-in types.) All primary leads are pre-stripped for quick connection.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>522 – (1) – LOCKNUT TYPE (AC)</strong></td>
<td></td>
<td>- For standard 1/2” knockouts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 120 volt primary AC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16VAC – 10VA – 0.625 AMPS</td>
</tr>
<tr>
<td><strong>525 – (2) – CLAMP ON TYPE/TRI VOLT (AC)</strong></td>
<td></td>
<td>- Equipped with convenient screw-bracket mounting clamp for standard 1/2” knockouts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 120 volt primary AC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8VAC – 10VA – 1.25 AMPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16VAC – 10VA – 0.62 AMPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24VAC – 20VA – 0.83 AMPS</td>
</tr>
<tr>
<td><strong>598 – (2) – CLAMP ON TYPE/TRI VOLT (AC)</strong></td>
<td></td>
<td>- Equipped with convenient screw-bracket mounting clamp for standard 1/2” knockouts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 120 volt primary AC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24VAC – 40VA – 1.65 AMPS</td>
</tr>
<tr>
<td><strong>5201 – (3) – PLUG IN TYPE (AC)</strong></td>
<td></td>
<td>- 120 volt primary AC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2”D x 3”H x 2-1/2”W 7oz</td>
</tr>
<tr>
<td><strong>5203 – (3) – PLUG IN TYPE (AC)</strong></td>
<td></td>
<td>- 120 volt primary AC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16VAC – 20VA – 0.834 AMPS</td>
</tr>
<tr>
<td><strong>5204 – (3) – PLUG IN TYPE (AC)</strong></td>
<td></td>
<td>- 120 volt primary AC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12VAC – 20VA – 1.667 AMPS</td>
</tr>
<tr>
<td><strong>5205 – (4) – PLUG IN TYPE/TRI VOLT (AC)</strong></td>
<td></td>
<td>- 120 volt primary AC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8VAC – 10VA – 1.25 AMPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16VAC – 10VA – 0.62 AMPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24VAC – 20VA – 0.83 AMPS</td>
</tr>
<tr>
<td><strong>5208 – (5) – PLUG IN TYPE (DC)</strong></td>
<td></td>
<td>- 120 volt primary AC, Corded output lead</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12VDC – 12VA – 1.00 AMPS</td>
</tr>
<tr>
<td><strong>5209 – (5) – PLUG IN TYPE (DC)</strong></td>
<td></td>
<td>- 120 volt primary AC, Corded output lead</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24VDC – 12VA – 0.50 AMPS</td>
</tr>
<tr>
<td><strong>SR1 – (6) – SILICON RECTIFIER (SR-1)</strong></td>
<td></td>
<td>- Not Recommended for 4850</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- For converting AC voltage to DC voltage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- For AC power supplies up to 27 volt AC 1 amp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Note: DC strikes do not buzz, click only</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Size 1” x 1/2” x 1”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric Characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12-27VAC – 1.00 AMPS</td>
</tr>
</tbody>
</table>
### Pushbuttons

*PUSH BUTTONS MUST BE PURCHASED IN PACKS OF 10 UNLESS NOTED*

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>JRP, SRP</td>
<td>JRP – Polished Solid Brass w/ black center 1-3/4&quot; Body Diameter – for use up to 30 volts AC or DC</td>
<td>Price: JRP $9.00</td>
</tr>
<tr>
<td></td>
<td>SRP – Polished Solid Brass w/ black center 2-1/4&quot; Body Diameter – for use up to 30 volts AC or DC</td>
<td>Price: SRP $10.00</td>
</tr>
<tr>
<td>45A, 45G, 45LA, 45LG</td>
<td>45A – Silver Rim with Pearl Center 5/8&quot; Body Diameter – for use up to 30 volts AC or DC</td>
<td>Price: 45A $6.50</td>
</tr>
<tr>
<td></td>
<td>45G – Gold Rim with Pearl Center 5/8&quot; Body Diameter – for use up to 30 volts AC or DC</td>
<td>Price: 45G $6.50</td>
</tr>
<tr>
<td></td>
<td>45LA – Silver Rim with Lighted Pearl Center 5/8&quot; Body Diameter – for use up to 16 volts AC or DC</td>
<td>Price: 45LA $8.50</td>
</tr>
<tr>
<td></td>
<td>45LG – Gold Rim with Lighted Pearl Center 5/8&quot; Body Diameter – for use up to 16 volts AC or DC</td>
<td>Price: 45LG $8.50</td>
</tr>
<tr>
<td></td>
<td>71DB – Dark Bronze Powder Coated Housing w/ Black Bar 2-3/4&quot;L X 1&quot;W X 3/4&quot;H – for use up to 30 volts AC or DC</td>
<td>Price: 71DB $10.00</td>
</tr>
<tr>
<td></td>
<td>71G – Anodized Brass Aluminum Housing w/ Black Bar 2-3/4&quot;L X 1&quot;W X 3/4&quot;H – for use up to 30 volts AC or DC</td>
<td>Price: 71G $10.00</td>
</tr>
<tr>
<td></td>
<td>71LA – Lighted Anodized Aluminum Housing w/ White Bar 2-3/4&quot;L X 1&quot;W X 3/4&quot;H – for use up to 16 volts AC or DC</td>
<td>Price: 71LA $11.00</td>
</tr>
<tr>
<td></td>
<td>71LDB – Dark Bronze Powder Coated Housing w/ White Bar 2-3/4&quot;L X 1&quot;W X 3/4&quot;H – for use up to 16 volts AC or DC</td>
<td>Price: 71LDB $11.00</td>
</tr>
<tr>
<td></td>
<td>71LG – Lighted Anodized Brass Aluminum Housing w/ White Bar 2-3/4&quot;L X 1&quot;W X 3/4&quot;H – for use up to 16 volts AC or DC</td>
<td>Price: 71LG $11.00</td>
</tr>
<tr>
<td></td>
<td>91P – Multi-Family, Polished Solid Brass Housing 4-3/4&quot;L X 5/8&quot;W X 3/4&quot;H – for use up to 30 volts AC or DC</td>
<td>Price: 91P $20.00</td>
</tr>
<tr>
<td>94P</td>
<td>94P – 3-Button Multi-Family, Polished Solid Brass Housing 7&quot;L X 5/8&quot;W X 3/4&quot;H – for use up to 30 volts AC or DC</td>
<td>Price: 94P $22.00</td>
</tr>
</tbody>
</table>
ALTERNATING CURRENT (AC)
An electric current that reverses direction in a circuit at regular intervals.

CONTINUOUS DUTY
A device that is designed to operate continuously without rest.

CURRENT
Measured flow of electrons through an electrical conductor. Normally measured in amperes.

DIRECT CURRENT
An electric current flowing in one direction.

DOOR HANDING

FAIL SAFE
A device that is normally open and locks when power is applied to the unit. Example: During a loss of power the device remains open. Often listed as “RS”

FAIL SECURE
A device that is normally closed or locked until power is applied. Example: During a loss of power the device remains locked.

FUSE
A device that is placed in the path of energy that will break the circuit if the current becomes too great. This is accomplished by having a strip or metal that will melt when the current exceeds the required amount.

INTERMITTENT DUTY
A device that is designed to operate for a short period of time; generally less than 45 seconds.

LOCKSET TYPES

NORMAL OPEN
The contacts of a switch or relay are normally open or not connected. When activated the contacts close or become connected. EXAMPLE: A switch is not depressed and the circuit is not complete.

NORMAL CLOSED
The contacts of a switch or relay are normally closed or connected. When activated the contacts open or become disconnected. EXAMPLE: A switch is not depressed and the circuit is complete.

OHMS
The measure of resistance of an electrical device to resist the flow of energy.

RECTIFIER
A device that is commonly used to convert AC to DC. Commonly used to silence the audible sound that an electrical strike can make while energized on AC current.

RELAY
An electro-magnetic device activated by a variation in conditions in one electric circuit and controlling a larger current or actuating other devices in the same or another electric circuit.

STANDARD VOLTAGE
Electric door strike supplied with magnetic coils: 4-6VDC/8-16VAC. Electric door strikes supplied with a solenoid coil: 6-10VDC, 10-16VAC: other voltages available.

TRANSFORMER
A device consisting essentially of two or more coils of insulated wire that transfers alternating current by electro-magnetic induction from one winding to another at the same frequency, but usually with changed voltage & current.

VOLT
A unit of electric potential equal to the difference of electric potential between two points that have a resistance of one ohm and through which a current of one amperes is flowing.

VOLTAGE DROP?
We recommend the following wire sizes:

<table>
<thead>
<tr>
<th>Wire Length</th>
<th>12V</th>
<th>24V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 50 ft.</td>
<td>18 AWG</td>
<td>20 AWG</td>
</tr>
<tr>
<td>51-150 ft.</td>
<td>16 AWG</td>
<td>18 AWG</td>
</tr>
<tr>
<td>151-300 ft.</td>
<td>14 AWG</td>
<td>16 AWG</td>
</tr>
<tr>
<td>301-600 ft.</td>
<td>12 AWG</td>
<td>14 AWG</td>
</tr>
</tbody>
</table>

WATT
The power developed in a circuit by a current of one ampere flowing through a potential difference of one volt.

www.trineonline.com
What lockset do you have?

<table>
<thead>
<tr>
<th>Cylindrical Lock</th>
<th>Mortise with a deadbolt</th>
<th>Mortise Lock</th>
<th>Mortise Lock</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td>B</td>
<td>C</td>
</tr>
</tbody>
</table>

Your choice of electric strikes are:

<table>
<thead>
<tr>
<th>A</th>
<th>C</th>
<th>F*</th>
</tr>
</thead>
</table>

**Surface Mount Strikes**

- 4200
- 4800F
- 4850, 4850PoE, 4850LCD
- 400CMRP

**Compatible Door Frames**

- Aluminum
- Hollow Metal
- Wood

**Specialized Solutions**

- Electric Strike Series
- Fire Rated
- 3 Hour Fire, 1034, & 294 rated

**Strike Selector**

- Use the 4100RX for Raco® frames (covers the extra 1/4” gap in the frame)
- Best strike for allowing deadbolt privacy with an override.

- Only strike with fascia color options – Match the fascia to your frame!

**Great for Gates**

- Aluminum
- Hollow Metal
- Wood

**4200CC-10B-32D**

- 4-7/8” faceplates only, two color options included, best pricing option in the 4200 series.

**4200CC7-10B-32D**

- 4-7/8” & 6-7/8” faceplates, two color options included.

*NOTE*

- For use with the Yale Squarebolt® or Corbin Russwin Securebolt™

- Use the 4801

- F* for use on offset mortise locks in outdoor situations see 430/435 on pg 29

www.trineonline.com

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**THE OUTDOOR SOLUTION FOR ELECTRIC STRIKES**

- 3 Hour Fire, 1034, & 294 rated

---

**THE OUTDOOR SOLUTION FOR ELECTRIC STRIKES**

- 3 Hour Fire, 1034, & 294 rated
The Vertical Rod Latch Solution

3275VRP-LC
3250SOM-LC
323478F-LC
323478FX-LC

Smallest Electric Strike in the World

THE SMALLEST ELECTRIC STRIKE IN THE WORLD IS NOW FIRE RATED

COMPATIBLE DOOR FRAMES

- Aluminum
- Hollow Metal
- Wood

2-3/4" WIDE PLATE. FITS IN TIGHT SPOTS IN THE HEADER

Compatible Strike Plates

- Compatible Door Frames

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1. ACCEPTANCE, GOVERNING PROVISIONS AND CANCELLATIONS. No order for Trine Access Technology or services shall be binding upon Trine until accepted by a writing of an authorized official of Trine; and no order may be cancelled or terminated except upon payment of Trine’s loss, damage and all expenses and damages of such cancellation or termination. These Conditions of Sale may be supplemented, freed or modified by course of dealing, course of performance or any oral communication between the parties. No order or modified conditions will be recognized by Trine unless specifically agreed to in writing and failure of Trine to object to provisions contained in any purchase order or other communication from a purchaser (including, without limitation, penalty clauses of any kind) shall not be construed as a waiver of these Conditions or an acceptance of any such provisions.

2. QUOTATIONS AND PRICES. Written quotations are conditioned upon acceptance by purchaser within thirty (30) days from the date issued and shall be considered as offers by Trine to sell during such thirty (30) day period on these Conditions of Sale unless sooner terminated by notice. Other Trine publications are maintained as sources of general information and are not quotations or offers to sell.

3. PAYMENT TERMS. Unless otherwise agreed by Trine, terms of payment for Trine products to purchasers of satisfactory credit are either (1) a 1% cash discount for all invoices paid in full if the payment is received by Trine within 10 days after the date of invoice or (2) full payment to be received by Trine within 30 days after the date of Trine’s invoice. Applicable terms of payment are stated in quotations or on the discount sheet for the product involved. Cash discount will apply only to the net amount of the invoice after transportation charges and taxes. A late charge of 1% per month or the maximum amount permitted by law will be applied to all past due amounts.

4. TAXES AND OTHER CHARGES. Any manufacturer’s tax, retailer’s occupation tax, use tax, sales tax, excise tax (except the Federal excise tax on vehicles), duty, custom, inspection or testing fee, or other tax, fee or charge of any nature whatsoever, imposed by any governmental authority, on or measured by any transaction between Trine and purchaser, shall be paid by purchaser in addition to the prices quoted or invoiced. In the event Trine shall be required to pay any such tax, fee or charges, purchaser shall reimburse Trine therefore; or, in lieu of such payment, purchaser shall provide Trine at the time the order is submitted with an exemption certificate or other documentation acceptable to the authority imposing the same. Purchase orders must state the existence and amount of any such tax, fee or charge which it shall be Trine’s responsibility to collect from purchaser and pay.

5. DELIVERY. Delivery of products to a carrier at any Trine facility or other shipping point shall constitute delivery to purchaser; and, regardless of freight payment, title and all risk of loss or damage in transit shall pass to purchaser at that time. Trine cannot be held responsible for breakage after having received “in good order” receipts from the transportation company. All claims for loss and damage must be made by purchaser to the carrier. Claims for shortages or other errors must be made in writing to Trine within 15 days after receipt of shipment, and failure to give such notice shall constitute unqualified acceptance and a waiver of such claims by purchaser. Unless otherwise agreed by Trine in quotations, discount schedules or other Trine publications, all expenses of freight FOB Trine’s place of shipment shall be borne by purchaser. No allowance will be made in lieu of transportation if purchaser accepts or directs, at factory warehouse, freight station, or other place of receipt, Trine shall make delivery at the discretion of Trine unless purchaser shall specify otherwise, and any additional expense of the mode or route of shipment specified by purchaser shall be borne by purchaser. Trine reserves the right to take delivery in installations, unless otherwise expressly stipulated in the contract for sale; and all such installations when separately invoiced shall be paid for when due per invoice, without regard to subsequent deliveries. Delay in delivery of any installation shall not relieve purchaser of its obligations to accept remaining deliveries.

6. SUBSTITUTES. Trine may furnish suitable substitutes for materials unavailable because of priorities or regulations established by governmental authority or non-availability of materials from suppliers, and assumes no liability for deviation from published dimensions and descriptive information not essential to proper performance of the products.

7. WARRANTIES TO DISTRIBUTORS AND OTHER COMMERCIAL CUSTOMERS. Trine warrants products manufactured by it to be free from defects in materials and workmanship for a period of one (1) year from date of shipment by Trine, except for all Axion (R) labeled products which are covered for two (2) years from date of shipment by Trine. If within such period any such products shall be proved to Trine’s satisfaction to be defective, such products shall be repaired or replaced at Trine’s option. This warranty shall not apply to (a) products not manufactured by Trine, to (b) products which shall have been repaired or altered by other than Trine so as, in its judgment, to affect the same adversely, or (c) which shall have been subjected to misuse, accident, damage by circumstances beyond Trine’s control, or to improper operation, maintenance or storage, or to other than normal use or service. With respect to products not manufactured by Trine, the warranty obligations of Trine shall in all respect conform and be limited to the warranty actually extended to Trine by its supplier. The foregoing warranties do not cover reimbursement for transportation, removal, installation, or other expenses which may be incurred in connection with repair or replacement. Except as may be expressly provided in an authorized writing by Trine, Trine shall not be subject to any other obligations or liabilities whatsoever with respect to products manufactured by Trine or services rendered by Trine.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION TITLE, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

8. LIMITATION OF LIABILITY. Anything to the contrary herein contained notwithstanding, TRINE ACCESS TECHNOLOGY, ITS CONTRACTORS AND SUPPLIERS OF ANY TIER SHALL NOT BE LIABLE IN CONTRACT, IN TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY) OR OTHERWISE FOR ANY SPECIAL, INDIRECT, INCIDENTAL CONSEQUENTIAL, PUNITIVE, OR EXEMPLARY DAMAGES WHATSOEVER. The remedies of the purchaser set forth herein are exclusive where so stated and the total cumulative liability of Trine, its contractors and suppliers of any tier, with respect to this contract or anything done in connection therewith, such as the use of any product covered by or furnished under the contract, whether in contract, in tort (including negligence or strict liability) or otherwise, shall not exceed the price of the product or part on which such liability is based. Further, all claim purchasers may have with reference to Trine products or services sold or provided hereunder shall be deemed waived by purchaser unless asserted against Trine in writing within 90 days from the date the purchaser discovered, or should have discovered, the basis for the claim.

9. RETURN OF EQUIPMENT. No products may be returned without first obtaining Trine’s written permission and a returned goods authorization number. Trine shall issue a credit to purchaser for returned goods, subject to the terms of this paragraph, and purchaser will not be entitled to any other form of reimbursement for returns. Products accepted for credit, not involving a Trine error, shall be subjected to a minimum service charge of $25.00, or a charge of 20% of invoice, whichever is greater, plus all transportation charges incurred by Trine. THE MINIMUM RESTOCKING CHARGE IS $25.00. Returned products must be securely packed to reach Trine without damage, any cost incurred by Trine to put the products in first class condition will be charged to purchaser.

10. PATENTS. As to products sold to purchaser by Trine, Trine shall defend any suit or proceeding brought against purchaser so far as based on a claim that said products constitute an infringement of any patent of the United States, if notified promptly in writing and given authority, information and assistance at Trine’s expense for the defense of the same. In the event of a final award of costs and damages, Trine shall pay such award. In the event the use of said products by purchaser is enjoined in such a suit, Trine shall, at its own expense, either (a) procure for purchaser the right to continue using said products, (b) modify said equipment to render them non-infringing, (c) replace said products with non-infringing products, or (d) refund the purchase price (less depreciation) and the transportation and installation costs of said products. Trine will not be responsible for any compromise or settlement made without its written consent. The foregoing states the entire liability of Trine for patent infringement, and in no event shall Trine be liable if the infringement charge is based on the use of Trine products for a purpose other than that for which sold by Trine, any alteration to the Trine products or the use of the Trine products with any other products not manufactured or supplied by Trine. As to any products furnished by Trine to purchaser and manufactured in accordance with designs provided by purchaser, purchaser shall defend, indemnify and hold harmless Trine against any award made against Trine for patent, trademark, or copyright infringement.

11. PATTERNS AND TOOLS. Notice will be given if special patterns or tools are required to complete any other order. Changes for such patterns or tools do not convey title thereto or the right to remove them from Trine’s plant. If patterns or tools are not used for a period of two years, Trine shall have the right to scrap them without notice.

12. FORCE MAJEURE. Trine shall not be liable in damages or otherwise for delays in shipment or default in delivery for any reason of force majeure or for any cause beyond Trine’s reasonable control including, but not limited to (a) an act of nature; (b) government action, war, riots, civil commotion, embargoes or martial laws, (c) Trine’s inability to obtain necessary materials from its usual sources of supply, (d) shortage of labor, raw material, production or transportation facilities or other delays in transit, (e) other contingencies of manufacture or shipment. In the event of any delay in Trine’s performance due in whole or in part to any cause beyond Trine’s reasonable control, Trine shall have such additional time for performance as may be reasonably necessary under the circumstances.

Note: The following Conditions of Sale are subject to change: All Sales Transactions are subject to the latest published Conditions of Sale of the Trine Access Technology Corporation and to any Special Conditions of Sale which may be contained in applicable Trine quotations and acknowledgements. Modified product warranties are provided to consumers.
### Cross Reference Chart for Premium Electric Strikes

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<th>TRINE</th>
<th>Adams Rite</th>
<th>Folger Adam</th>
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<th>RCI</th>
<th>Von Duprin</th>
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* Strike has 1-1/16” backset vs. 1” backset for 3000 Series.
Ω Requires 80% less cutting of frame. Fills the frame preparation of the Adams Rite MS Locks without the need to relocate tabs for 6 5/8” or 6 7/8” electric strikes.
‡ Requires 60% less frame face cutting other than models listed.
Δ 9400 backplate means it can only handle up to a 1/2” throw – The 4850 can take up to a 1” throw.
* UL 90 Minute Fire Rated
** All Stainless Steel construction, not fire rated.
Φ Not a shallow (1 3/8”) backset – cannot be used in 2” fire rated frames with 1/2” sheetrock ingress
∂ Number is for the Faceplate – use with a 3012, 3024, 30LC, or 30RS Mechanism, see pg 34 for more details.

**Note:** There may be variations in physical size or electrical characteristics between manufacturers. Information in the above chart based on manufacturers’ catalogs and reference should be made to manufacturer’s catalog for complete detail comparisons.