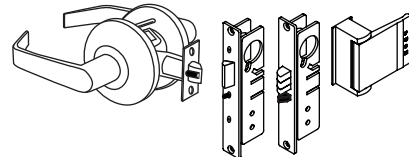


# 4200 ELECTRIC STRIKE

## INSTALLATION INSTRUCTIONS



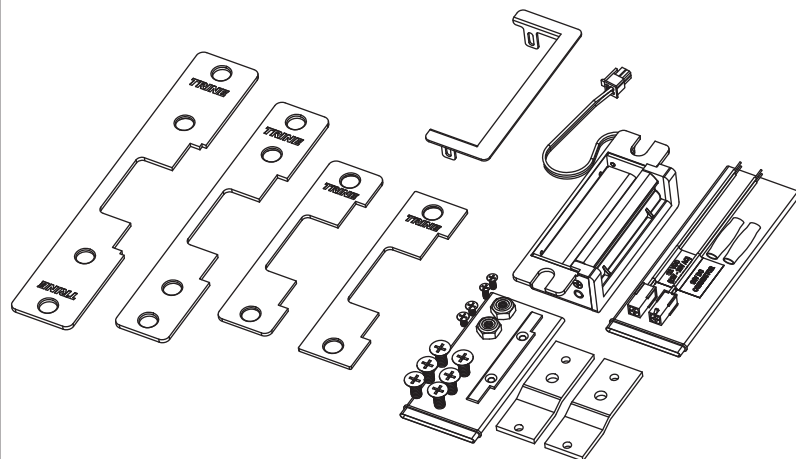
### TRINE 4200 THE ONE BOX SOLUTION FOR CYLINDRICAL LOCKS AND DEADLATCHES



Congratulations on the purchase of this quality TRINE security product. This product has been designed to install easily, perform reliably, and provide years of trouble free security.

BEFORE proceeding with your installation, please review the following list of features. If you have any questions after reading this document please call TRINE's TECHNICAL SUPPORT (718) 829-2332 EXT. 447, or visit the TRINE web site at [www.trineonline.com](http://www.trineonline.com)

### WHAT'S IN THE BOX:



- 1 - (1) 4200 Electric Strike Mechanism
- 2 - (4) Faceplates as shown
- 3 - (6) #12-24 x 1/2 inch Philips Mounting Screws
- 4 - (2) #12-24 Lock Nut
- 5 - (2) Quick Connect Socket & Wire Assembly 12VDC & 24VDC Version
- 6 - (2) Sealed Crimp Connectors
- 7 - (1) Latch Spacer Shims & (2) Mounting Screws
- 8 - (1) Frame Trim Skirt & (2) Screws
- 9 - (2) Mounting Tabs

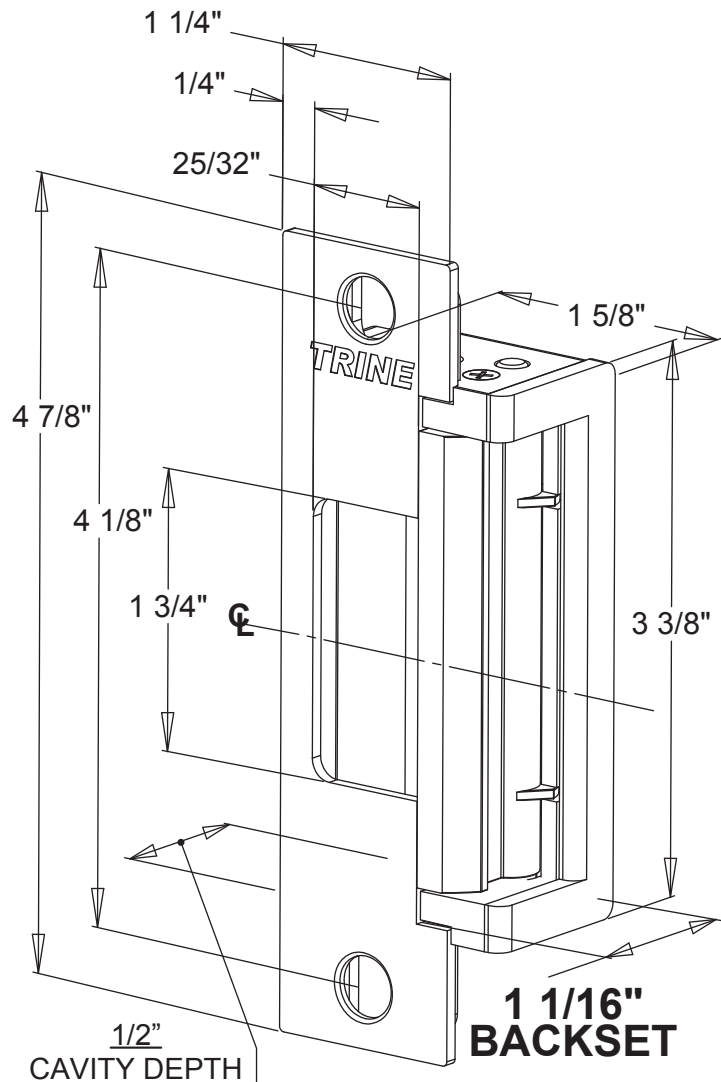
### 4200 ELECTRICAL CHARACTERISTICS:

Voltage	Current Draw	Power Consumption	Resistance
12DC	.240 Amps	2.90 Watts	50 Ohms
24DC	.114 Amps	2.74 Watts	210 Ohms
12AC @ 50-60Hz	.210 Amps	2.50 Watts	50 Ohms
16AC @ 50-60Hz	.281 Amps	4.48 Watts	50 Ohms
24AC @ 50-60Hz	.420 Amps	10.08 Watts	50 Ohms

When removing the connector and using the wires direct; Blue Wire is Common, Red Wire accepts 12DC & 12-16AC, Brown Wire accepts 24DC.  
RS IS FAILSAFE ACTION (LOCKS WITH POWER) AND IS DC ONLY

OPERATING TEMP RANGE: -20 °C TO +40 °C

DO NOT APPLY A VOLTAGE OF MORE THAN 10% OVER THE RATED OPERATING VOLTAGE OF THE STRIKE OR THE SOLENOID WILL BE DAMAGED



### AVAILABLE FINISHES

32D (630) Satin Stainless	DKBZ Dark Bronze Powder Coat
ALUM Aluminum Powder Coat	GRN Green Powder Coat
BLK Black Powder Coat	WHT White Powder Coat



1440 Ferris Place | Bronx | New York | 10461

## 4200 OPTIONS:

4200RS - FAIL SAFE CONFIGURATION

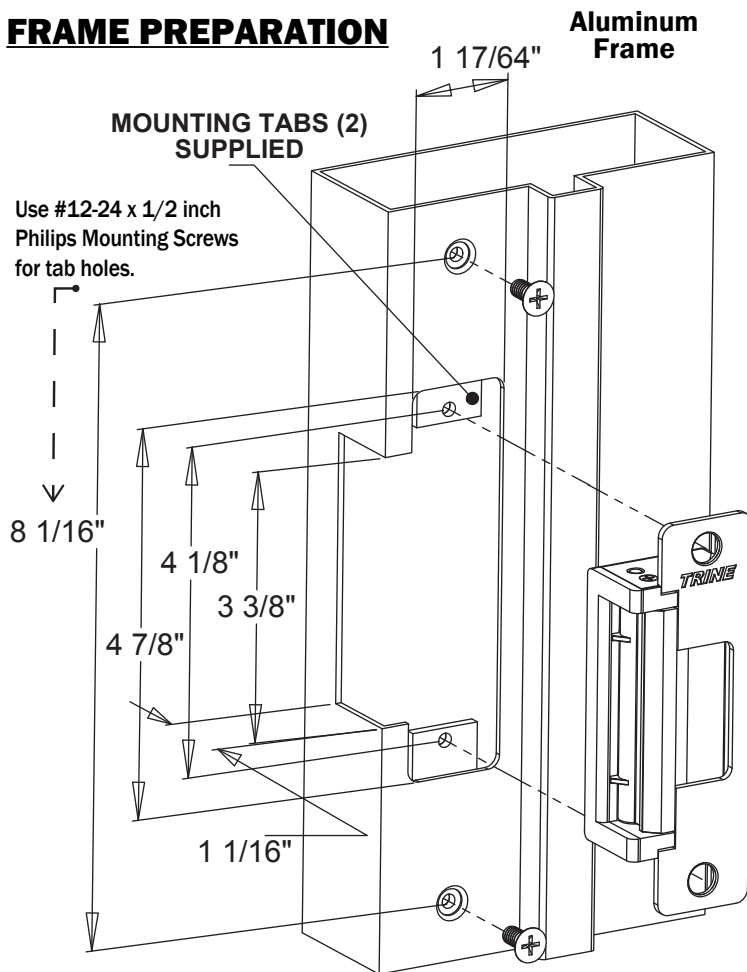
4200LB - LATCH BOLT MONITORING (coming soon)

4200RSLB - FAIL SAFE/LATCH BOLT MONITORING  
(coming soon)

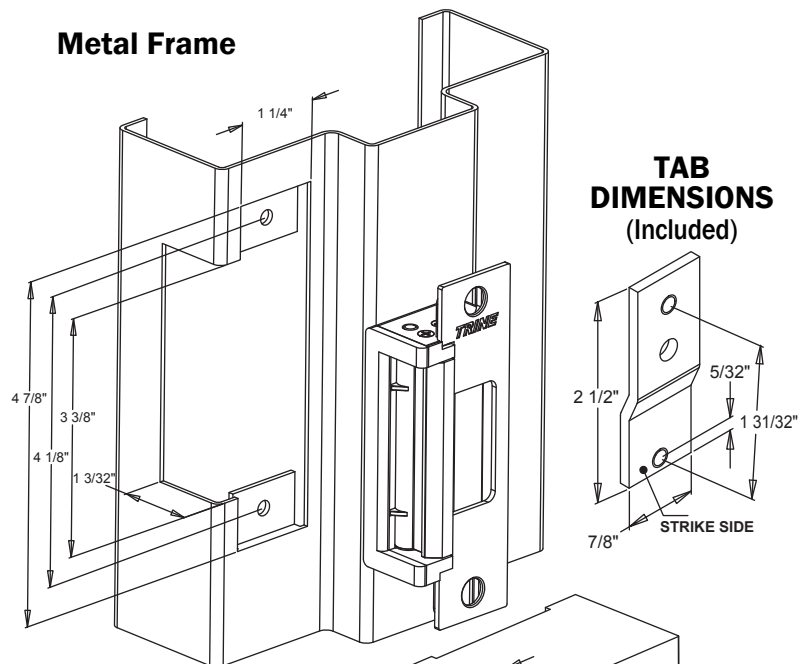
BZ-12 - 12VDC Piezo Buzzer

BZ-24 - 24VDC Piezo Buzzer

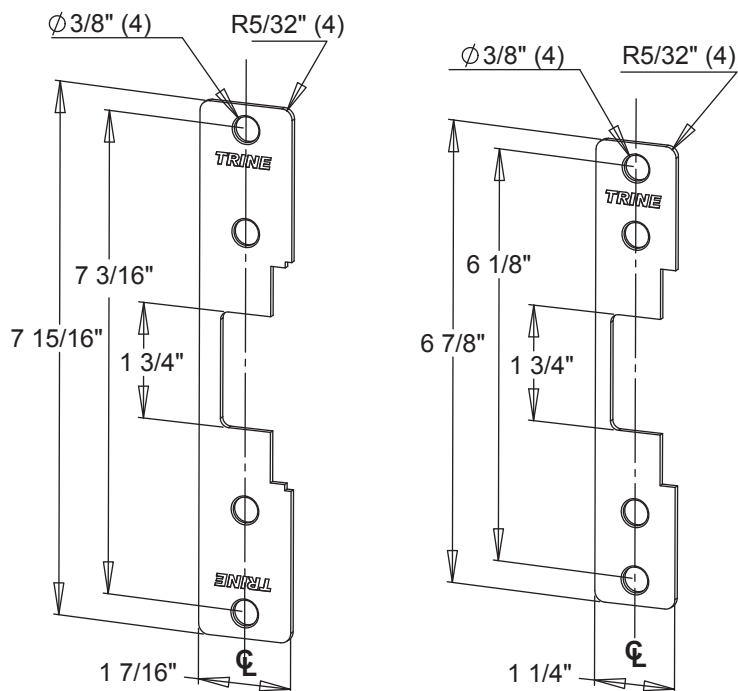
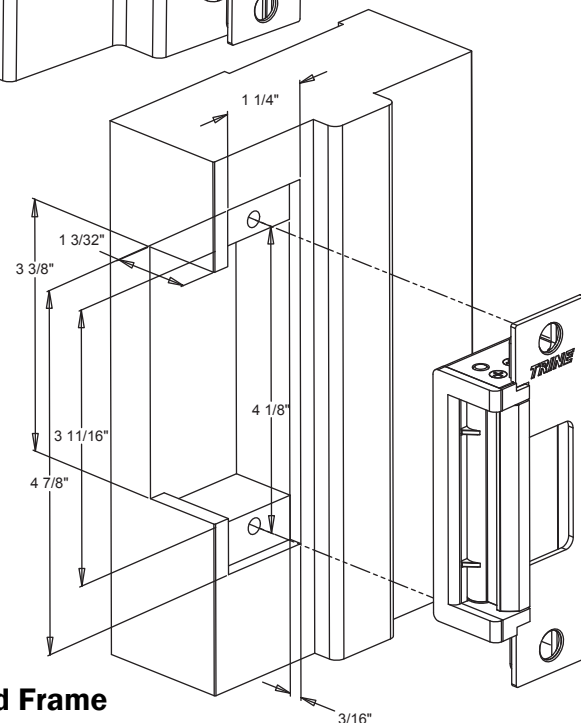
## FRAME PREPARATION



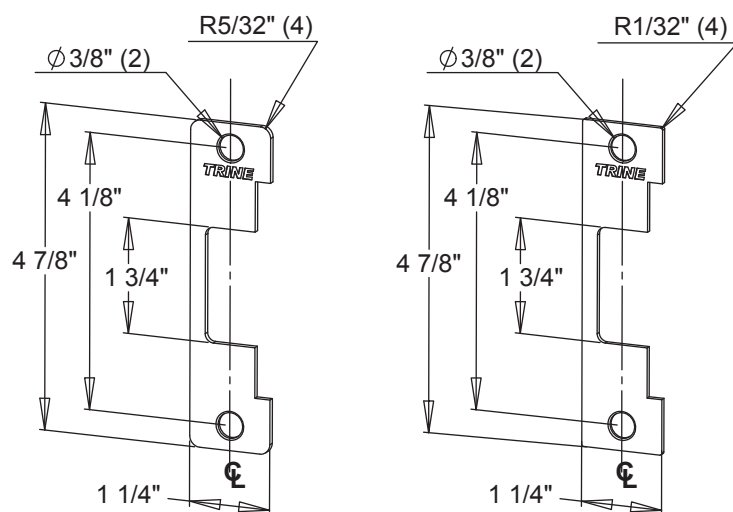
## Metal Frame



## Wood Frame



## FACEPLATE DIMENSIONS



### **RECOMMENDED PRE-INSTALLATION CHECK:**

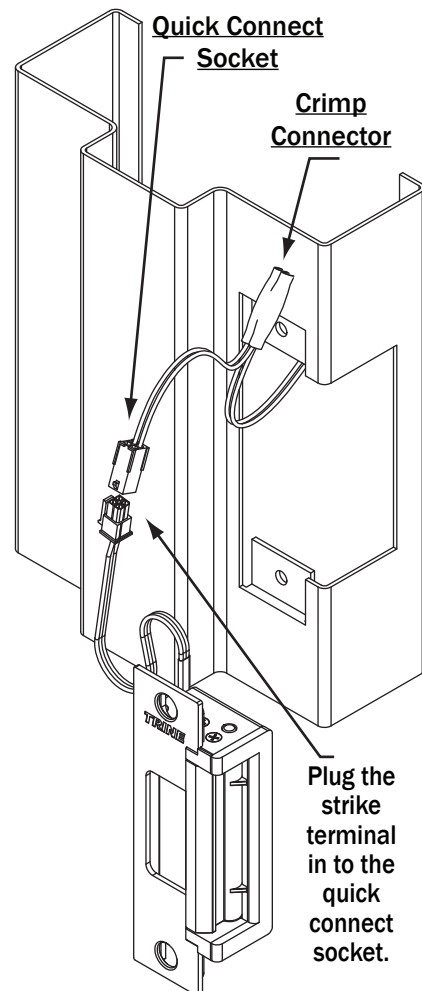
1. Determine that the door swings without interfering with jamb or sill; the door must operate properly in order for the system to provide best results.
2. The door must be equipped with a door closer and the door closer "latch mode" must hold door in a completely closed position in order to avoid the lock latch from applying pressure against the releasing latch portion of the electric strike.
3. Electrical wire connections must be completed and ready to be terminated inside the frame.
4. Confirm that the power line in the frame is the correct voltage and that the switch works properly.
5. Confirm proper clearance exists between the end of the lock latch and jamb.
6. The faceplate opening used on the electric door strike must be centered with lock latch centerline when it is installed on the doorjamb.
7. For best installation results, the door frame must be reasonably flat and straight.

### **INSTALLING THE 4200 STRIKE:**

**NOTE:** The 4200 electric strike has two terminal wires to supply power to two separate solenoids.

1. Prepare door frame as shown on page 2 (based on frame type).

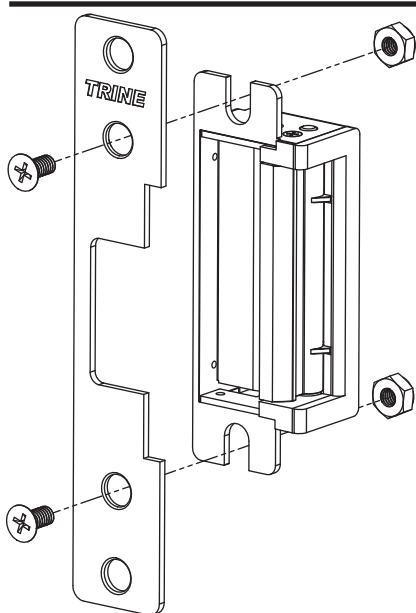
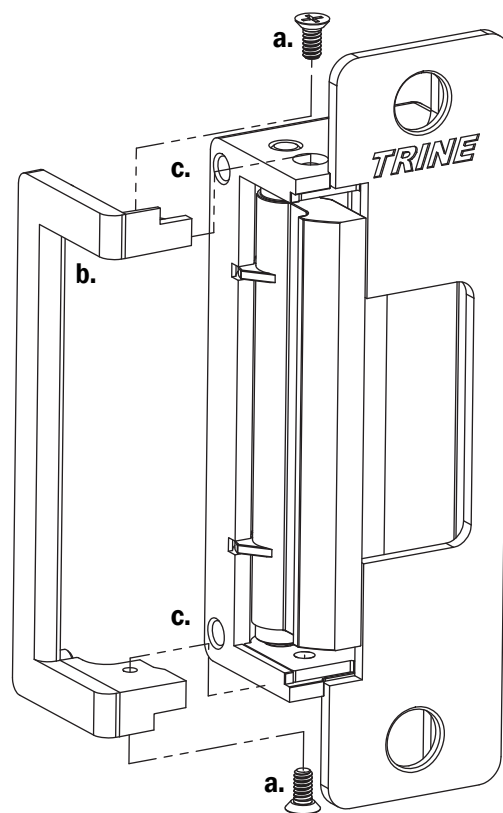
2. Pull the switched power wires to the door frame. (Caution: Connect the power **ONLY** as the last step.)
3. Carefully choose the quick connect socket to match the required voltage. The quick connect sockets are labeled **12VDC (Blue Wire)** or **24VDC (White Wire)**.
4. Use the crimp connectors to terminate the ends of the quick connect socket to the power wires coming out of the frame.
5. Connect the strikes bottom terminal to the quick connect socket.
6. Tuck the wires inside the door frame.
7. Install the electric strike into the door frame
8. Connect the power supply and turn power on.
9. Test your system.



### **REMOVABLE FASCIA (Match the Color of the Frame)**

The 4200 Fascia is designed to be replaceable and is available in 5 powder coat finishes. Replacing the Fascia is easy, follow these steps:

1. Remove top and bottom assembly screws (see a.) from the electric strike, these hold the Fascia (see b.) in place.
2. Fascia then slides away from the electric strike – note two additional holes (see c.) that provide stability to the Fascia.
3. New Fascia is aligned to the holes and pushed in until screw holes align.
4. Insert both the bottom and top assembly screws to secure the Fascia into the electric strike body.



### **LONGER FACEPLATE ASSEMBLY**

Longer Faceplates have additional holes. 2 assembly holes to mount the faceplate to the electric strike. 2 holes for mounting the assembled faceplate/strike to the frame.

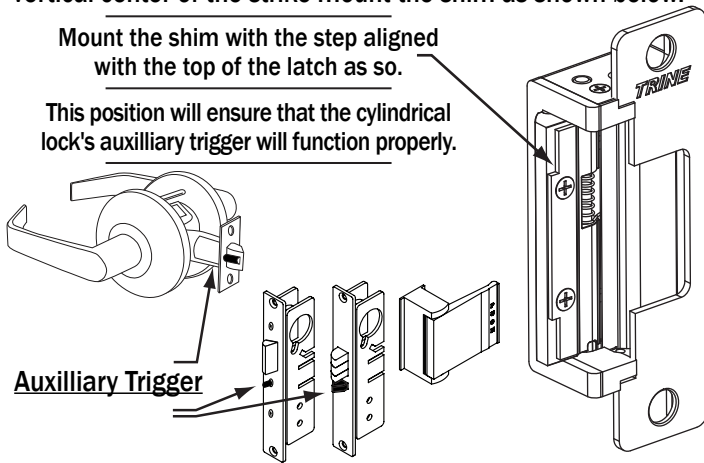
Available in 5 powdercoat finishes: Aluminum (ALUM), Black (BLK), Dark Bronze (DKBZ), Green (GRN), and White (WHT) which can match the finish of the faceplate and trim skirts.

## USING THE LATCH SPACER SHIM

The latch spacer shim is used to make an adjustment to minimize the space between the door's inside face and the door stop, or reduce door play. For cylindrical locks aligning to the vertical center of the strike mount the shim as shown below.

Mount the shim with the step aligned with the top of the latch as so.

This position will ensure that the cylindrical lock's auxilliary trigger will function properly.

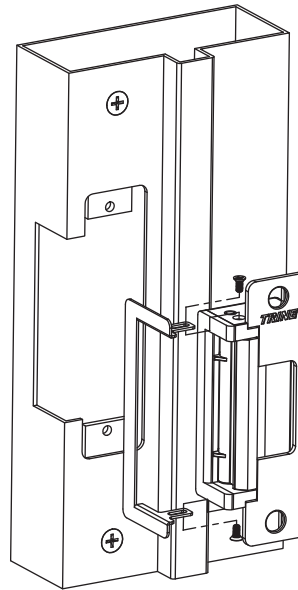


## PREMIUM TRIM SKIRT FOR THE 4200

### USING THE TRIM SKIRT

The skirt can be used to clean up the cut line of the frame face during installation. The Trim Skirt comes with 2 longer screws (included) for fastening to the top and bottom of the 4200.

Available in 5 powdercoat finishes: Aluminum (ALUM), Black (BLK), Dark Bronze (DKBZ), Green (GRN), and White (WHT) which can match the finish of the faceplate and Fascia's.



## TROUBLESHOOTING THE COMPLETED INSTALLATION:

**DO NOT APPLY A VOLTAGE OF MORE THAN 10% OVER THE RATED OPERATING VOLTAGE OF THE STRIKE OR THE SOLENOID WILL BE DAMAGED**

**SYMPTOM:** Electric release is not actuating:

1. Verify proper voltage is present **AT THE STRIKE**. If voltage is present, the strike may have been affected during the installation, or dirt or debris may be preventing proper operation. Ensure that all moving parts are clean. **DO NOT LUBRICATE THE SOLENOID.**
2. If voltage **IS NOT** present:
  - Verify Circuit breaker is on
  - Verify voltage at the transformer/power supply output.
  - Verify that there are no additional, external switches or devices which may be interrupting your circuit.
  - Check for damaged wiring or bad wire splices.

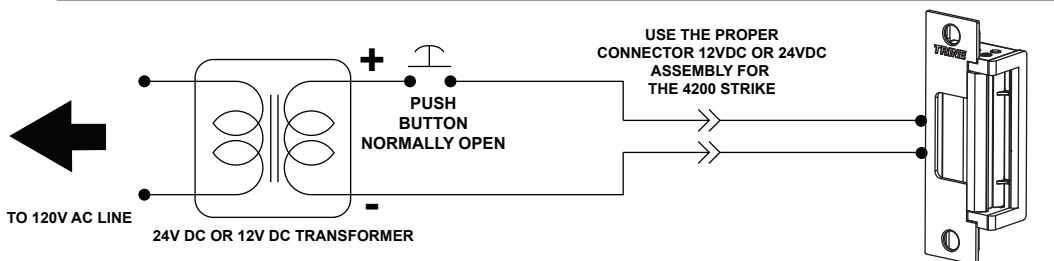
**SYMPTOM:** Door will not open but strike is working

- First, check to see if the electric strike works properly while the door is open.
- Check for proper lock-latch engagement
- Check for pressure from the door on the electric strike by following these steps:

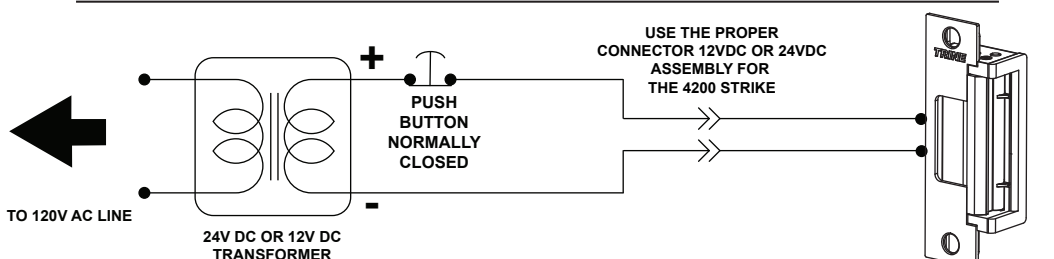
Push the door from the outside, try and relieve the bolt to latch pressure and actuate the 4200. While the 4200 is unlatched swing the door open. If the door opens, then the bolt maybe applying pressure to the latch. Adjust the position of the 4200 to relieve the pressure.

**Possible remedies include:**

1. Re-adjust door closer.
2. Remove door silencers.
3. Remove, or trim, weather stripping around the door.
4. Adjust electric strike position if possible.
5. Correct excessive warping of door.



**For AC use the 12 VDC connectors**  
**For 12 - 24 VAC use 50-60 Hz**



**Cannot use AC in Fail Safe Configuration**  
**RS IS FAILSAFE ACTION (LOCKS WITH POWER) AND IS DC ONLY**

## WIRING DIAGRAMS

**TRINE**  
ACCESS TECHNOLOGY.

PHONE: (718) 829-2332  
FAX: (718) 829-6405  
1440 FERRIS PLACE  
BRONX, NY 10461  
email: [customerservice@trineonline.com](mailto:customerservice@trineonline.com)  
website: [www.trineonline.com](http://www.trineonline.com)

V. 14.0218