



**ELECTRONIC ACCESS CONTROL REFERENCE**  
and  
*SITE WALK THROUGH GUIDE*

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## Reference Page Finishes

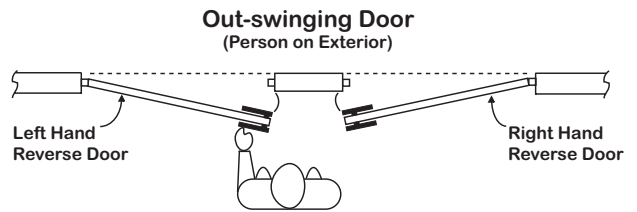
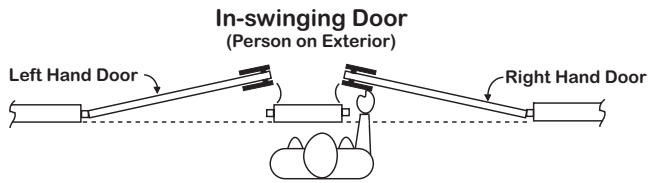
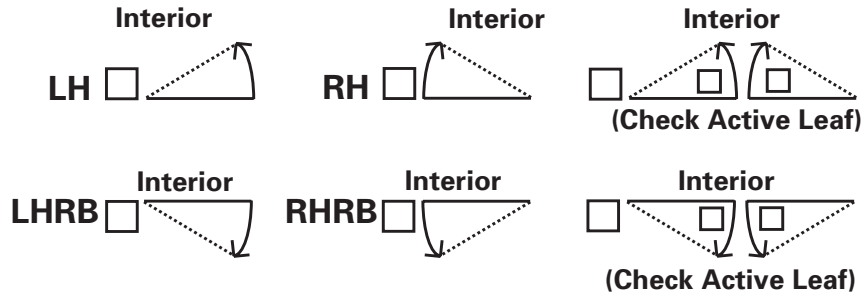
ANSI, US, or Other Codes	BHMA Code	Code Description
—	505	Lifetime Finish - Bright Brass
US3	605	Bright Brass, Clear Coated
US4	606	Satin Brass, Clear Coated
US5	609	Antique Brass, Clear Coated
US9	611	Bright Bronze
US10	612	Satin Bronze, Clear Coated
US10B	613	Oil Rubbed Bronze
US14	618	Bright Nickel Plated
US15	619	Satin Nickel Plated
US15A	620	Antique Nickel
US17A	621	Blackened Nickel, Clear Coated
US13	624	Dark Brown Aluminum
US26	625	Bright Chrome
US26D	626	Satin Chrome, Brushed
US28	628	Aluminum, Clear Anodized
US29	—	Black Aluminum
US32	629	Bright Stainless Steel
US32D	630	Satin Stainless Steel
US46	—	Duracolor Brown Aluminum
313	690	Duronotic / Dark Bronze
—	691	Dull / Light Bronze
—	716	Aged Bronze
AL	—	Aluminum
BP	—	Brass Plated
DB	—	Dull Bronze
DU	—	Duronotic / Dark Bronze
PC	—	Prime Coated
PB	—	Polished Brass
SL	—	Silver Coated
SS	—	Stainless Steel
WH	—	White Coated



# Reference Page

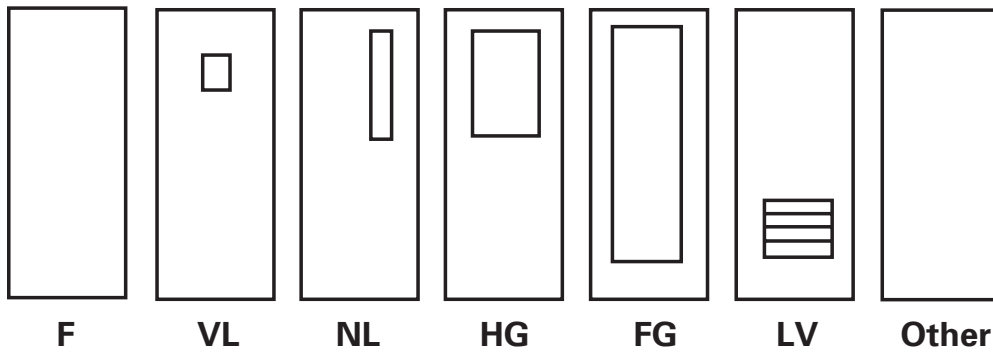
## Door Handing & Door Images

### Door Handing



### Door Styles

**What's the Stile Width? (A vertical member of a panel or frame)**  
**Are there raised panels or raised trim on the door?**



# Reference Wire Selection Chart

**12 V DC: Maximum Distance Between Power Supply and Load, Measurements in White Boxes are Listed in Feet**  
(Example: an electric strike drawing .2 Amps at 12V DC with 22 Gauge is 200'-400' to Power Supply)

AMPS Being Pulled By Load

	0.1	0.2	0.3	0.4	0.6	0.8	1.00	2.00	3.00	4.00	5.00	7.00	9.00	12.00
AWG														
8 Gauge						2000	2000	800	600	400		300	200	
10 Gauge					2000	1500	1000 - 1500	600	400	300	300	200		100
12 Gauge				2000	1500	800 - 1000	800	400	300	200	200	100	100	
14 Gauge		2000	1500 - 2000	1000 - 1500	800 - 1000	600	400 - 600	200 - 300	200	100	100			
16 Gauge		1500	1000	800	600	400	300		100					
18 Gauge	1500 - 2000	800 - 1000	600 - 800	400 - 600	300 - 400	200 - 300	200	100						
20 Gauge	1000	600	400	300	200		100							
22 Gauge	400 - 800	200 - 400	200 - 300	100 - 200	100	100								
24 Gauge	100 - 300	100	100											

**24 V DC: Maximum Distance Between Power Supply and Load, Measurements in White Boxes are Listed in Feet**  
(Example: an electric strike drawing .20 Amps at 24V DC with 22 Gauge is 400'-800' to Power Supply)

AMPS Being Pulled By Load

	0.1	0.2	0.3	0.4	0.6	0.8	1.00	2.00	3.00	4.00	5.00	7.00	9.00	12.00
AWG														
8 Gauge								2000		800			400	300
10 Gauge							2000	1000 - 1500	1500	600	400 - 600	300 - 400	300	200
12 Gauge						2000	1500	800	800 - 1000	400	300	200	200	100
14 Gauge				2000	1500 - 2000	1000 - 1500	800 - 1000	400 - 600	600	200 - 300	200		100	
16 Gauge			2000	1500	1000	800	600	300	300 - 400		100	100		
18 Gauge		2000	1500	800 - 1000	600 - 800	400 - 600	400	200	200	100				
20 Gauge	2000	1000 - 1500	800 - 1000	600	400	300	200 - 300	100	100					
22 Gauge	800 - 1500	400 - 800	300 - 600	200 - 400	200 - 300	100 - 200	100							
24 Gauge	100 - 600	100 - 300	100 - 200	100	100									

- 12 Gauge Wire recommended for most EL Devices; 18 Gauge Wire recommended for most electric strike and maglock applications.
- Typical Electric Strike or Maglock Voltage (0.2 - 0.4) and Typical Double Maglock Voltage (0.6 - 1.0)



# CCTV Site Survey

Job Name: \_\_\_\_\_

Application: \_\_\_\_\_

## Recording Device

24/7 Recording: \_\_\_\_\_

Motion Recording: \_\_\_\_\_

Scheduled Recording: \_\_\_\_\_

Storage (in Days): \_\_\_\_\_

Frames per Second per Camera: \_\_\_\_\_

Number of Cameras: \_\_\_\_\_

Number of Operators: \_\_\_\_\_

Remote Access:  Yes  No

Will it be Monitored at All Time:  Yes  No

If No, How Often Will it be Reviewed: \_\_\_\_\_

## Monitors

### Monitor #1

Location: \_\_\_\_\_

Type/Size: \_\_\_\_\_

Notes: \_\_\_\_\_

### Monitor #2

Location: \_\_\_\_\_

Type/Size: \_\_\_\_\_

Notes: \_\_\_\_\_

## Power Supplies

Central / Individual: \_\_\_\_\_

Voltage: \_\_\_\_\_

## Cable / Wire Connectors

Notes (Plenum, Cat 5, Twisted Pair, etc?)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dealer Name: \_\_\_\_\_

Company Name: \_\_\_\_\_

## Cameras

**Camera #1**  Interior  Exterior

Brief Description (IR, Day/Night, Dome, Bullet, etc.):

Location: \_\_\_\_\_

Target/Distance: \_\_\_\_\_ Horiz. @ Distance: \_\_\_\_\_

Lighting: \_\_\_\_\_

**Camera #2**  Interior  Exterior

Brief Description (IR, Day/Night, Dome, Bullet, etc.):

Location: \_\_\_\_\_

Target/Distance: \_\_\_\_\_ Horiz. @ Distance: \_\_\_\_\_

Lighting: \_\_\_\_\_

**Camera #3**  Interior  Exterior

Brief Description (IR, Day/Night, Dome, Bullet, etc.):

Location: \_\_\_\_\_

Target/Distance: \_\_\_\_\_ Horiz. @ Distance: \_\_\_\_\_

Lighting: \_\_\_\_\_

**Camera #4**  Interior  Exterior

Brief Description (IR, Day/Night, Dome, Bullet, etc.):

Location: \_\_\_\_\_

Target/Distance: \_\_\_\_\_ Horiz. @ Distance: \_\_\_\_\_

Lighting: \_\_\_\_\_

**Camera #5**  Interior  Exterior

Brief Description (IR, Day/Night, Dome, Bullet, etc.):

Location: \_\_\_\_\_

Target/Distance: \_\_\_\_\_ Horiz. @ Distance: \_\_\_\_\_

Lighting: \_\_\_\_\_



# Operational Sequences for Access Control

1. **What is the condition of the Opening/Door at rest or in a normal state?**

*Example: Door to remain unlocked during business hours. Doors are to be closed, latched and locked by command from access control system.*

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2. **How will people be allowed to leave or egress the location?**

*Example: Free egress at all times by pushing rail on exit device.*

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3. **How will people be allowed to enter?**

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4. **Upon power failure to the lock – how will the lock behave?**

*Example: Lock lever will unlock permitting free egress but door remains closed and latched.*

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5. **How will the customer interface with the lock/unit/opening (LED/Sounder)?**

*Example: Integrated LEDs and sounder in lockset to be controlled by customers' access control system.*

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6. **What other "Operational" conditions must be noted?**

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# Site Walk-Through for Access Control

Project Name: \_\_\_\_\_

Date of Walk-Through: \_\_\_\_\_

Door # / Location: \_\_\_\_\_

Your Name: \_\_\_\_\_

**Describe the Opening:**

- Single
- Double
- In-Swing
- Out-Swing

**Frame**

- Wood
- Hollow Metal Steel
- Aluminum
- Mortar Filled

**Door**

- Wood
- Hollow Metal Steel
- Aluminum

Width: \_\_\_\_\_

Height: \_\_\_\_\_

**Intended Use:**

- |                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> ADA Entrance | <input type="checkbox"/> Secured Entrance |
| <input type="checkbox"/> Stairwell    | <input type="checkbox"/> Office           |
| <input type="checkbox"/> Exit         | <input type="checkbox"/> Restroom         |
| <input type="checkbox"/> Classroom    | <input type="checkbox"/> Delayed Egress   |
| <input type="checkbox"/> Storage Room | <input type="checkbox"/> Traffic Control  |

**Type of Wall**

- Drywall
- Block

**Type of Ceiling**

- Plaster
- Lay-in Tile
- Interlocking
- Open / Exposed
- Plenum

**Hardware (What's on the Door or Needed):**

- Brand: \_\_\_\_\_ Finish: \_\_\_\_\_  Reuse  Replace
- |                                      |   |
|--------------------------------------|---|
| <input type="checkbox"/> Cylindrical | <input type="checkbox"/> Exit Device                  |
| Backset: _____                       | <input type="checkbox"/> Rim                          |
| Latch Projection: _____              | <input type="checkbox"/> Mortise                      |
| Function: _____                      | <input type="checkbox"/> Surface Vertical Rod         |
| Strike Type: _____                   | <input type="checkbox"/> Concealed Vertical Rod       |
| <input type="checkbox"/> Mortise     | <input type="checkbox"/> Exterior Trim of Exit Device |
| Backset: _____                       | <input type="checkbox"/> None                         |
| Latch Projection: _____              | <input type="checkbox"/> Pull Handle                  |
| Function: _____                      | <input type="checkbox"/> Lever / Knob                 |
| With Deadbolt: _____                 | <input type="checkbox"/> Operated by Key Only         |

**Door Closing Mechanism**

- Brand: \_\_\_\_\_  
Finish: \_\_\_\_\_  
 Reuse  Replace

**Mounting:**

- Door Surface
- Frame Surface
- Concealed in Floor
- Concealed in Header

**Floor Closer**

- Offset
- Center Hung

**Door Hanging By:**

- Brand: \_\_\_\_\_ Finish: \_\_\_\_\_  Reuse  Replace
- |                                 |  |
|---------------------------------|--|
| <input type="checkbox"/> Hinges | <input type="checkbox"/> Pivots                                      |
| Size: _____                     | Size: _____  |
|                                 | <input type="checkbox"/> Offset <input type="checkbox"/> Center Hung |

**Distance:**

- From Controller to  
Nearest Door /Reader:  
\_\_\_\_\_
- From Door / Reader to  
Access Control Door:  
\_\_\_\_\_







# Site Walk-Through Drawing

## Door

- Single
- Double (check one)
  - With Mullion
  - Without Mullion

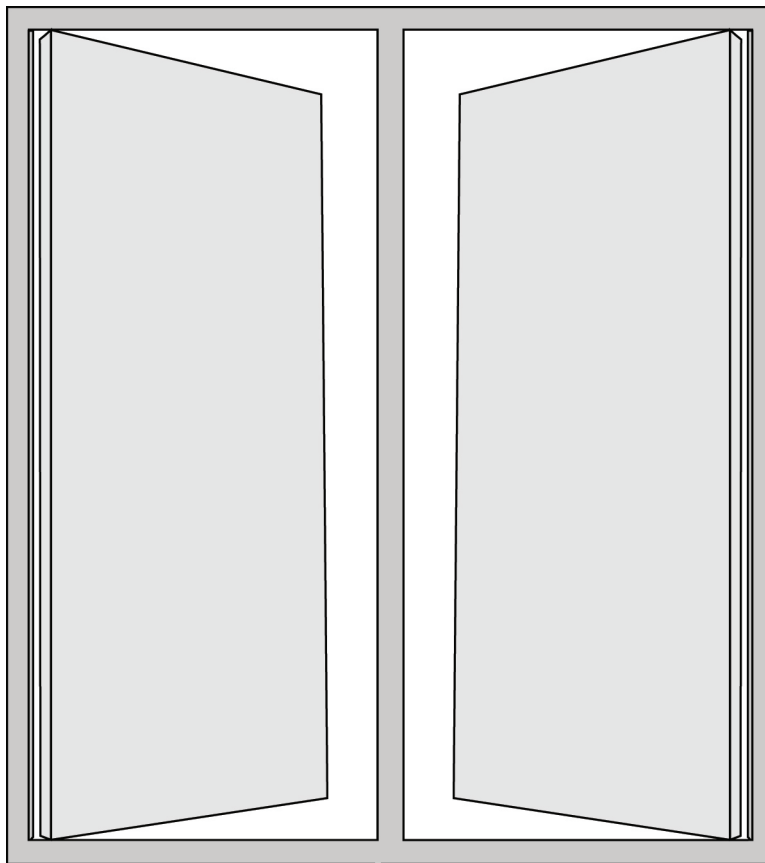
## Access to Power:

## Existing Hardware:

*(Inside / Outside, Lever, Hinge, Door Closer, Lock, etc.)*

## Opening Measurements:

## Door/Frame Material:



# Stand Alone Access Control Lockset

**Door**

- Wood
- Metal
- Handing \_\_\_\_\_
- Dr Thickness \_\_\_\_\_
- Fire Labeled

**Opening**

- Interior
- Exterior
- Fire Labeled

**Frame**

- Wood
- Metal
- Aluminum
- Mortar Filled

**Lock**

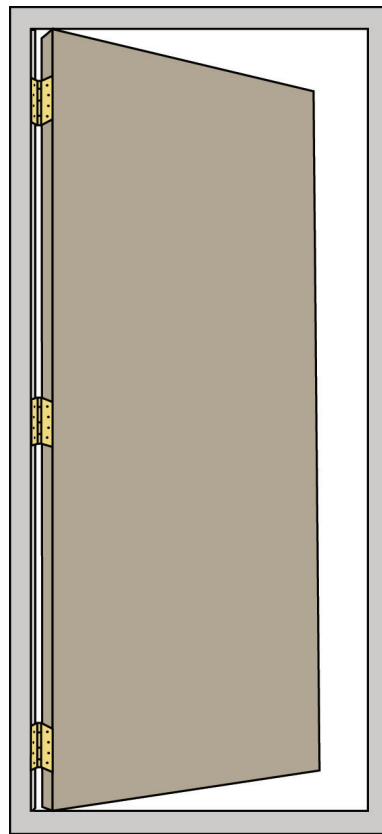
- Mortise
- Mortise with Deadbolt
- Cylindrical
- Mortise Exit Device
- Rim Exit Device

**Access (Select All that Apply)**

- Keypad
- Prox Reader
- Remote RFI
- Bio Fob
- Mechanical Key Override
- Prox Fob

**Features**

- # of Users: \_\_\_\_\_
- Audit Trail
- Time Zones
- # of Doors: \_\_\_\_\_
- Battery
- Wireless
- Hardwired
- # of Operators: \_\_\_\_\_



	Model	Finish	Currently On The Door	Additional Notes
1) Lockset				
2) Software				

# Electrified Mechanical Lock with Optional Keypad or Card Reader

### Door

- Handing \_\_\_\_\_
- Dr Thickness \_\_\_\_\_
- Fire Labeled
- Aluminum     Wood
- Glass         Metal

### Frame

- Wood
- Hollow Metal Steel
- Aluminum
- Mortar Filled

### Opening

- In-Swing
- Out-Swing
- Fire Labeled
- Interior     Single
- Exterior     Double

### Electrified Hinge

- Size \_\_\_\_\_
- Finish \_\_\_\_\_
- # of Wires \_\_\_\_\_
- Gauge of Wire \_\_\_\_\_
- EPT - Electric Power Transfer
- Door Cord

### Lock

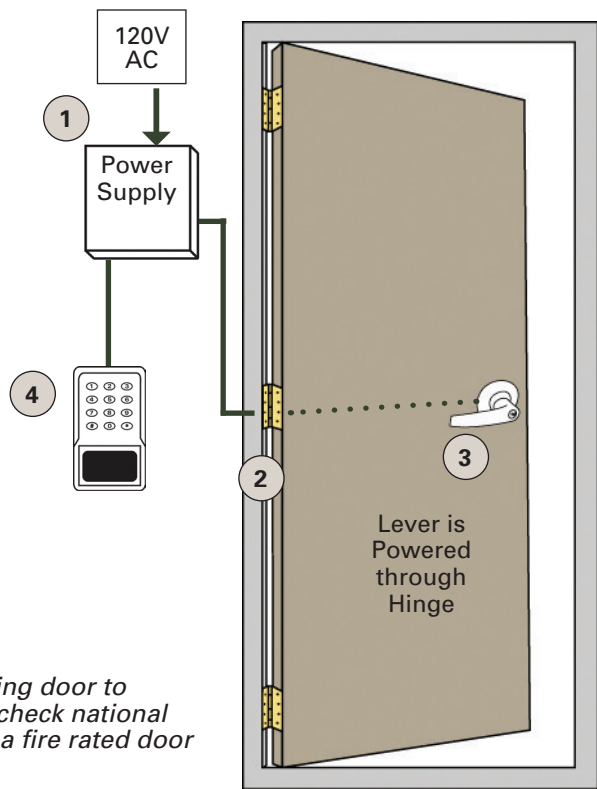
- Mortise
  - Cylindrical
  - Fail Safe / EL
  - Fail Secure / EU
  - Electrified Deadlatch\*
  - Volt \_\_\_\_\_
- \* For Aluminum Door

### Keypad / Card Reader

- Volt \_\_\_\_\_
- Interior
- Exterior
- Wall
- Mullion

### Power Supply

- Amp Output \_\_\_\_\_
- Metal Enclosure
- Battery Back Up
- Plug-in
- Hardwired
- 12V
- 24V
- AC
- DC



*Note: If changing the existing door to accommodate wire, check national codes for modifying a fire rated door*

	Model	Finish	Currently On The Door	Additional Notes
1) Power Supply				
2) Power Transfer				
3a) Electrified Mortise Lockset				
3b) Electrified Cylindrical Lockset				
4a) Keypad (Indoor)				
4b) Keypad (Outdoor)				
4c) Prox Reader				
4d) Magnetic Stripe Reader				



# Existing Lockset, Add Access Control Including Electric Strike and Keypad or Card Reader (Stand Alone)

### Door

- Handing \_\_\_\_\_
- Size \_\_\_\_\_
- Fire Labeled
- Aluminum     Wood
- Glass         Metal

### Frame

- Wood
- Hollow Metal Steel
- Aluminum
- Mortar Filled

### Opening

- Out-Swing
- Fire Labeled
- Interior     Single
- Exterior    Double

### Power Supply

- Amp Output \_\_\_\_\_
- Metal Enclosure
- Battery Back Up
- Plug-In         12V DC
- Hardwired     24V DC

### Exit Device

- Rim
- Fire Labeled
- Mortise

### Lock

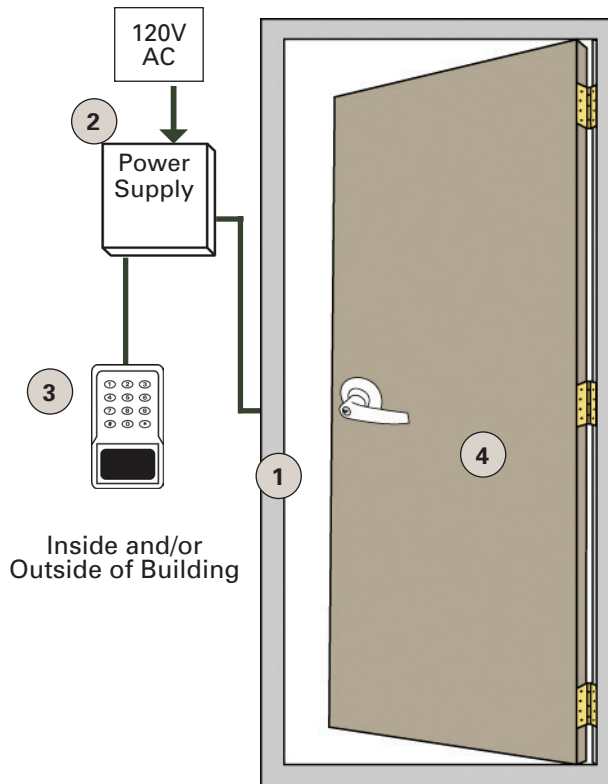
- Mortise
- Cylindrical
- Function

### Keypad / Card Reader

- Volt \_\_\_\_\_
- Interior         Wall
- Exterior        Mullion

### Electric Strike

- Volt \_\_\_\_\_
- Rim             Fail Safe
- Mortise        Fail Secure
- ANSI           LBSM
- LBM            Finish: \_\_\_\_\_



	Model	Finish	Currently On The Door	Additional Notes
1) Electric Strike Cylindrical or Mortise				
2) Power Supply				
3a) Keypad (Indoor)				
3b) Keypad (Outdoor)				
3c) Prox Reader				
3d) Magnetic Stripe Reader				
4) Exit Device or Lever/Knob				



# Touch Sense Bar with a Maglock and Optional Keypad or Card Reader (Stand Alone)

### Door

- Handing \_\_\_\_\_
- Size \_\_\_\_\_
- Fire Labeled
- Aluminum     Wood
- Glass         Metal

### Frame

- Wood
- Hollow Metal Steel
- Aluminum
- Mortar Filled

### Opening

- In-Swing
- Out-Swing
- Fire Labeled
- Interior     Single
- Exterior     Double

### Keypad / Card Reader

- Volt \_\_\_\_\_
- Interior
- Exterior
- Wall
- Mullion

### Power Supply

- Amp Output \_\_\_\_\_
- Metal Enclosure
- Battery Back Up
- Plug-In         12V DC
- Hardwired     24V DC

### Mag Lock Options:

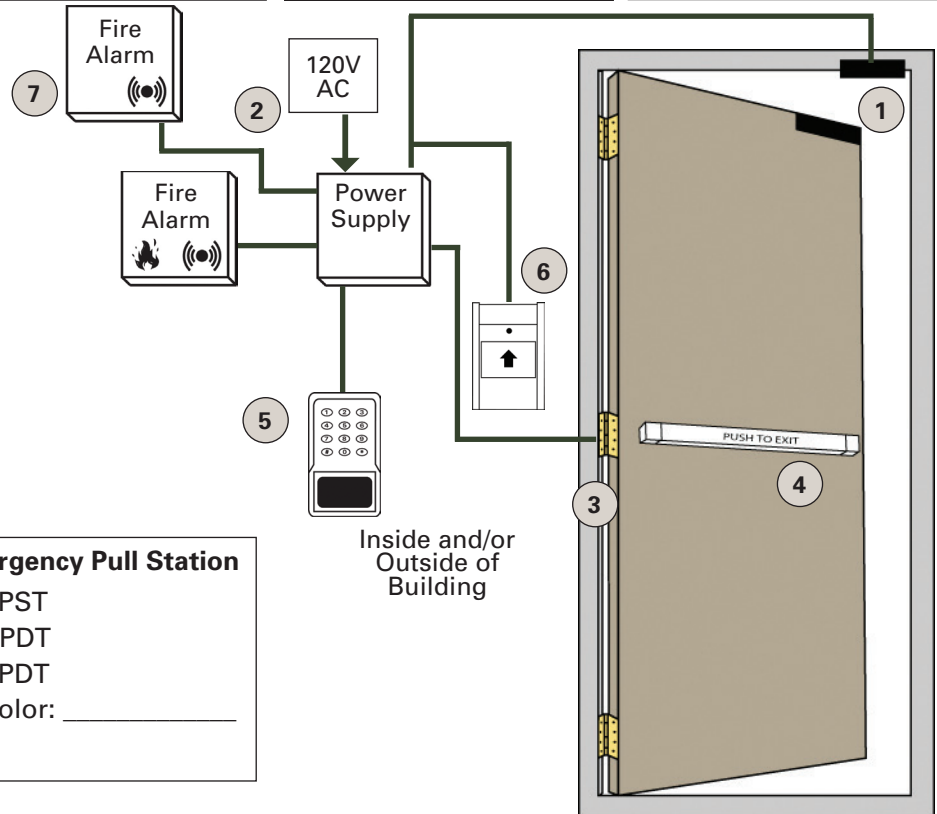
- Spacer Brackets
- Z Bracket

### Built-Ins

- Door Status
- Bond Sensor
- Sounder
- Timer
- Camera
- LED Status

### Emergency Pull Station

- SPST
- DPDT
- SPDT
- Color: \_\_\_\_\_



	Model	Finish	Currently On The Door	Additional Notes
1) Magnetic Lock				
2) Power Supply				
3) Power Transfer				
4) Touch Sense Bar				
5a) Keypad (Indoor)				
5b) Keypad (Outdoor)				
5c) Prox Reader				
5d) Magnetic Stripe Reader				
6) Emergency Pull Station				
7) Siren (Optional)				



# Electric Latch Retraction Exit Device with an Exterior Keypad or Card Reader (Stand Alone)

**Door**

- Wood
- Metal
- Aluminum
- Glass
- Handing \_\_\_\_\_
- Size \_\_\_\_\_
- Fire Labeled

**Frame**

- Wood
- Hollow Metal Steel
- Aluminum
- Mortar Filled

**Opening**

- In-Swing
- Out-Swing
- Fire Labeled
- Interior     Single
- Exterior     Double

**Power Supplies**

- Metal Enclosure
- Battery Back Up
- Required     12V DC
- Hardwired     24V DC

**Exit Device**

- Rim
- Mortise
- Surface Vertical Rod
- Concealed Vertical Rod
- Fire Labeled
- Model Trim \_\_\_\_\_

**Keypad / Card Reader**

- Volt \_\_\_\_\_
- Interior
- Exterior
- Wall
- Mullion

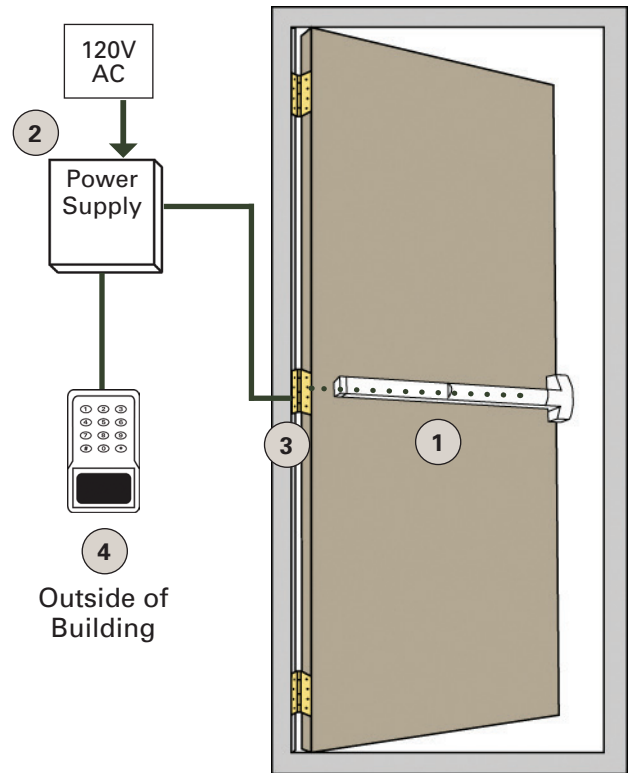
**Electrified Hinge**

- Size \_\_\_\_\_
- Finish \_\_\_\_\_
- # of Wires \_\_\_\_\_
- Gauge of Wire \_\_\_\_\_

**Door Location**

Door Number: \_\_\_\_\_

Door Location Reference: \_\_\_\_\_



	Model	Finish	Currently On The Door	Additional Notes
1) Latch Retraction				
2) Power Supply				
3) Power Transfer				
4a) Keypad (Indoor)				
4b) Keypad (Outdoor)				
4c) Prox Reader				
4d) Magnetic Stripe Reader				



# Mechanical Exit Device (Inside) with Electromechanical Lever Trim (Outside) with Optional Keypad or Card Reader (Stand Alone)

## Door

- Wood
- Metal
- Handing \_\_\_\_\_
- Size \_\_\_\_\_
- Fire Labeled

## Frame

- Wood
- Hollow Metal Steel
- Mortar Filled

## Opening

- In-Swing
- Out-Swing
- Fire Labeled
- Interior  Single
- Exterior  Double

## Power Supply

- Amp Output \_\_\_\_\_
- Metal Enclosure
- Battery Back Up
- Plug-In  12V DC
- Hardwired  24V DC

## Outside of Door:

### Hardwired Lever Trim

- Key Override
- Fail Safe
- Fail Secure
- Volt \_\_\_\_\_

### Battery Powered Lever Trim

- Key Override
- Fail Safe
- Fail Secure

## Keypad / Card Reader

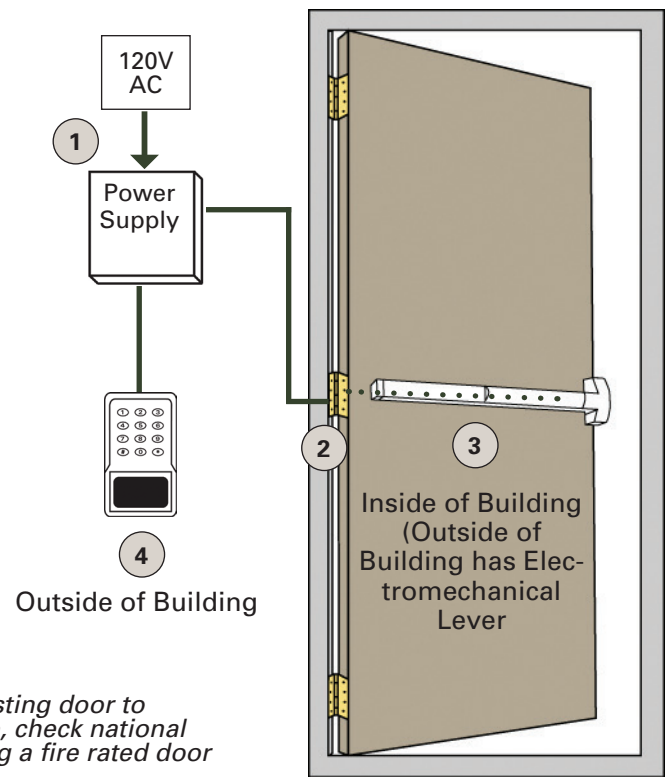
- Volt \_\_\_\_\_
- Interior
- Exterior
- Wall
- Mullion

## Exit Device (Inside of Door)

- Rim
- Surface Vertical Rod
- Concealed Vertical Rod
- Mortise

## Electrified Hinge

- Size \_\_\_\_\_
- Finish \_\_\_\_\_
- # of Wires \_\_\_\_\_
- Gauge of Wire \_\_\_\_\_



Note: If changing the existing door to accommodate wire, check national codes for modifying a fire rated door

	Model	Finish	Currently On The Door	Additional Notes
1) Power Supply				
2) Power Transfer				
3a) Electrified Trim (Rim)				
3b) Electrified Trim (Vertical Rod)				
4a) Keypad (Indoor)				
4b) Keypad (Outdoor)				
4c) Prox Reader				
4d) Magnetic Stripe Reader				





# Delayed Egress Exit Device with Delayed Timer & Sounder Built-In, Keypad & Reader to Exit (Stand Alone)

- Door**
- Handing \_\_\_\_\_
  - Size \_\_\_\_\_
  - Fire Labeled
  - Aluminum  Wood
  - Glass  Metal

- Frame**
- Wood
  - Hollow Metal Steel
  - Aluminum
  - Mortar Filled

- Opening**
- Out-Swing
  - Fire Labeled
  - Interior  Single
  - Exterior  Double

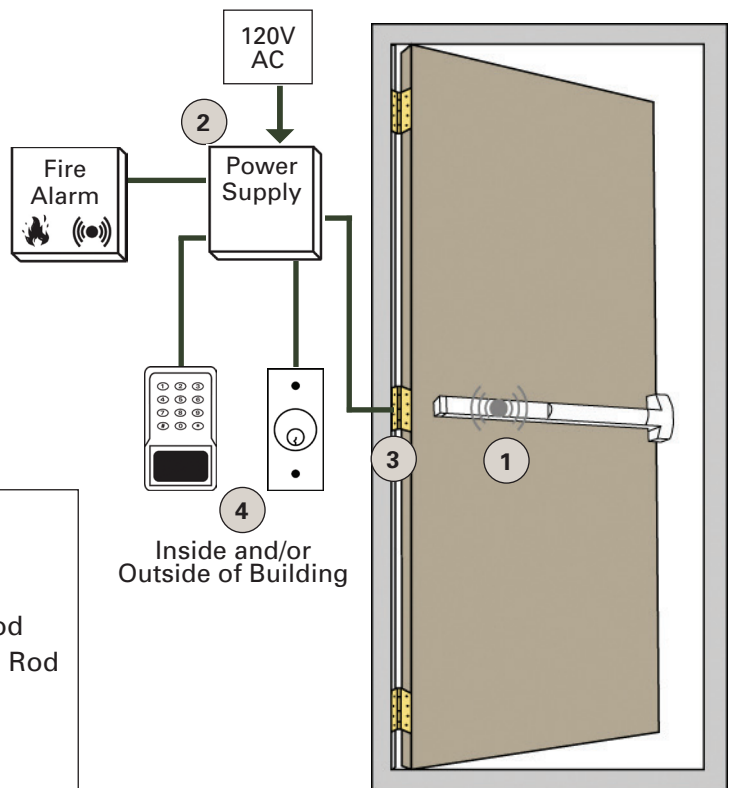
- Keypad / Card Reader**
- Volt \_\_\_\_\_
  - Interior  Wall
  - Exterior  Mullion

- Power Supply**
- Amp Output \_\_\_\_\_
  - Metal Enclosure
  - Battery Back Up
  - Plug-In  12V DC
  - Hardwired  24V DC

- Electrified Hinge**
- Size \_\_\_\_\_
  - Finish \_\_\_\_\_
  - # of Wires \_\_\_\_\_
  - Gauge of Wire \_\_\_\_\_
  - EPT - Electric Power Transfer
  - Door Cord

- Keypad**
- No Preference
  - Momentary  Mortise
  - Maintained  Tubular

- Exit Device**
- Rim
  - Mortise
  - Surface Vertical Rod
  - Concealed Vertical Rod
  - Fire Labeled
  - Pullman
  - Other: \_\_\_\_\_



*Note: If outside access is necessary, then an active exterior trim for the exit device (number 1 in diagram) is required or an electric strike with a card reader*

	Model	Finish	Currently On The Door	Additional Notes
1) Delayed Egress Exit Device				
2) Power Supply				
3) Power Transfer				
4a) Keypad (Indoor)				
4b) Keypad (Outdoor)				
4c) Prox Reader				
4d) Magnetic Stripe Reader				
4e) Key Switch				



# Low Energy Operator, Electric Strike with Existing Rim Exit Device and Keypad/Card Reader (Stand Alone)

**Exit Device**

Rim

Fire Labeled

**Frame**

Wood

Hollow Metal Steel

Mortar Filled

**Operator**

Push Side

Pull Side

Hand \_\_\_\_\_

**Keypad / Card Reader**

Interior

Exterior

Volt \_\_\_\_\_

**Actuator (Interior)**

Hard Wired

Wireless

**Actuator (Exterior)**

Hard Wired

Wireless

**Door**

Handing \_\_\_\_\_

Size \_\_\_\_\_

Fire Labeled

Aluminum  Wood

Glass  Metal

**Electric Strike**

Rim

Fail Secure

Volt \_\_\_\_\_

**Power Supply**

Amp Output \_\_\_\_\_

Metal Enclosure

Battery Back Up

Plug-In  12V DC

Hardwired  24V DC

**Opening**

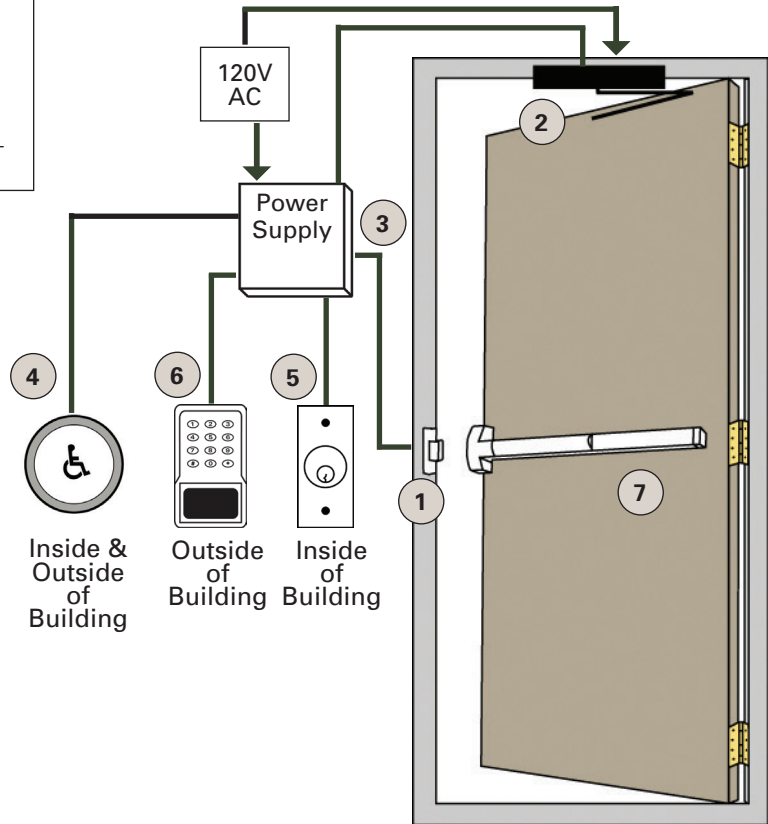
Out-Swing

In-Swing

Fire Labeled

Interior  Single

Exterior  Double



	Model	Finish	Currently On The Door	Additional Notes
1) Electric Strike (Rim)				
2) Power Operator				
3) Power Supply				
4) Wall Switch / Actuator				
5) Key Switch				
6a) Keypad (Indoor)				
6b) Keypad (Outdoor)				
6c) Prox Reader				
6d) Magnetic Stripe Reader				
7) Rim Exit Device or Lever/Knob				



# Exit Device with a Delayed Egress Maglock, Keypad - Stand Alone or Card Reader, and Delayed Timer with Sounder

## Door

- Handing \_\_\_\_\_
- Size \_\_\_\_\_
- Fire Labeled
- Aluminum  Wood
- Glass  Metal

## Frame

- Wood
- Hollow Metal Steel
- Aluminum
- Mortar Filled

## Opening

- Out-Swing
- Fire Labeled
- Interior  Single
- Exterior  Double

## Electrified Hinge

- Size \_\_\_\_\_
- Finish \_\_\_\_\_
- # of Wires \_\_\_\_\_
- Gauge of Wire \_\_\_\_\_

## Power Supply

- Amp Output \_\_\_\_\_
- Metal Enclosure
- Battery Back Up
- Plug-In  12V DC
- Hardwired  24V DC

## Keypad / Card Reader

- Volt \_\_\_\_\_
- Interior  Wall
- Exterior  Mullion

## Mag Lock

- Options:**
- Spacer
  - Brackets:

## Keyswitch

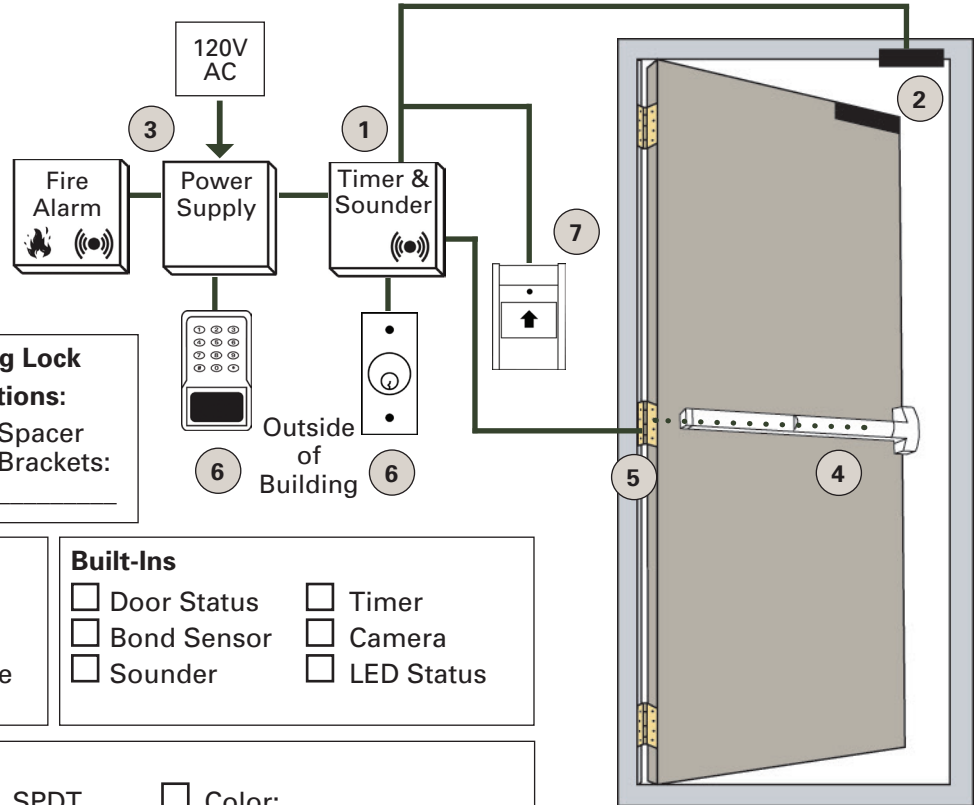
- Momentary  Tubular
- Maintained  LED Status
- Mortise  No Preference

## Built-Ins

- Door Status  Timer
- Bond Sensor  Camera
- Sounder  LED Status

## Emergency Pull Station

- SPST  DPDT  SPDT  Color: \_\_\_\_\_



	Model	Finish	Currently On The Door	Additional Notes
1) Delayed Egress Timer/Sounder				
2) Magnetic Lock				
3) Power Supply				
4) Handle with Door Cord				
5) Power Transfer				
6a) Keypad (Indoor)				
6b) Keypad (Outdoor)				
6c) Prox Reader				
6d) Magnetic Stripe Reader				
6e) Key Switch				
7) Emergency Door Release				



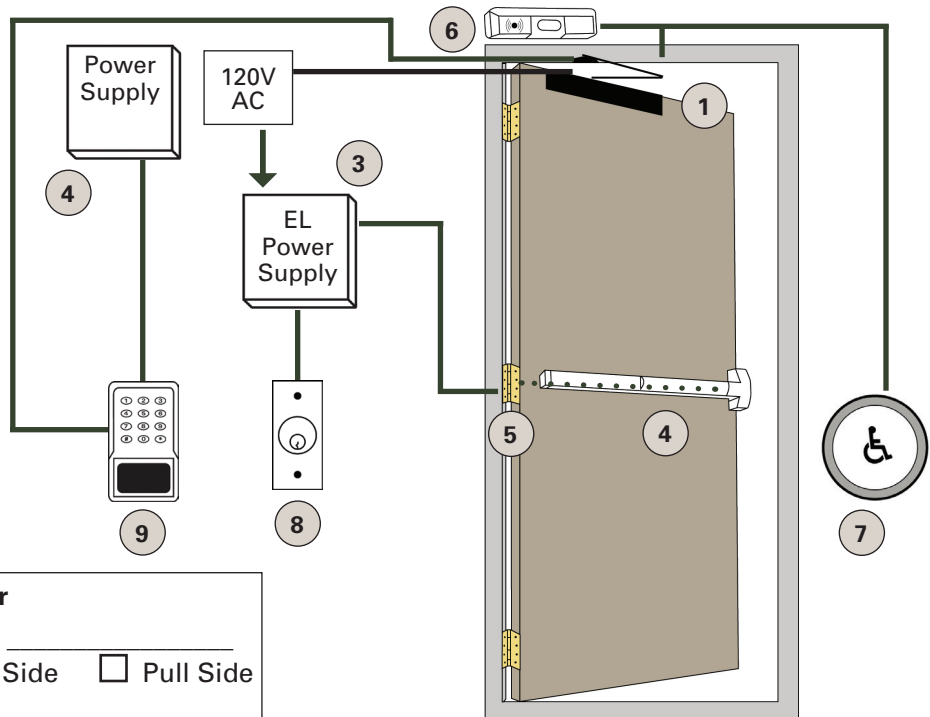
# Electric Latch Retraction Exit Device, Low Energy Door Operator, Pushbutton, Keypad or Card Reader, Keyswitch, & Motion Detector (Stand Alone)

<b>Door</b> <input type="checkbox"/> Handing _____ <input type="checkbox"/> Size _____ <input type="checkbox"/> Fire Labeled <input type="checkbox"/> Aluminum <input type="checkbox"/> Wood <input type="checkbox"/> Glass <input type="checkbox"/> Metal	<b>Frame</b> <input type="checkbox"/> Wood <input type="checkbox"/> Hollow Metal Steel <input type="checkbox"/> Aluminum <input type="checkbox"/> Mortar Filled	<b>Opening</b> <input type="checkbox"/> In-Swing <input type="checkbox"/> Out-Swing <input type="checkbox"/> Fire Labeled <input type="checkbox"/> Interior <input type="checkbox"/> Single <input type="checkbox"/> Exterior <input type="checkbox"/> Double	<b>Power Supplies</b> <input type="checkbox"/> 12V <input type="checkbox"/> 24V <input type="checkbox"/> Required <input type="checkbox"/> Battery Back-up
---	---	--	--

**Exit Device**  
 Surface Vertical Rod  
 Concealed Vertical Rod  
 Fire Labeled  
 Model Trim \_\_\_\_\_  
 Rim             Mortise

**Keypad / Card Reader**  
 Volt \_\_\_\_\_  
 Interior         Wall  
 Exterior         Mullion

**Keyswitch**  
 No Preference  
 Momentary     Mortise  
 Maintained    Tubular

**Operator**  
 Hand \_\_\_\_\_  
 Push Side     Pull Side


	Model	Finish	Currently On The Door	Additional Notes
1) Operator				
2) Exit Device				
3) EL Power Supply				
4) Power Supply				
5) Power Transfer				
6) Motion Detector				
7) Wall Switch / Actuator				
8) Key Switch				
9a) Keypad (Indoor)				
9b) Keypad (Outdoor)				
9c) Prox Reader				
9d) Magnetic Stripe Reader				



# Electric Latch Retraction Exit Device, Low Energy Door Operator, Controller, Keypad or Card Reader, Keyswitch, & Motion Detector

**Door**

Wood

Metal

Handing \_\_\_\_\_

Size \_\_\_\_\_

Fire Labeled

**Opening**

Interior

Exterior

Fire Labeled

**Frame**

Wood

Metal

Aluminum

Mortar Filled

**Power Supply**

12V

24V

**Exit Device**

Rim

Mortise

Surface Vertical Rod

Concealed Vertical Rod

Fire Labeled

**Keypad / Card Reader**

Interior

Exterior

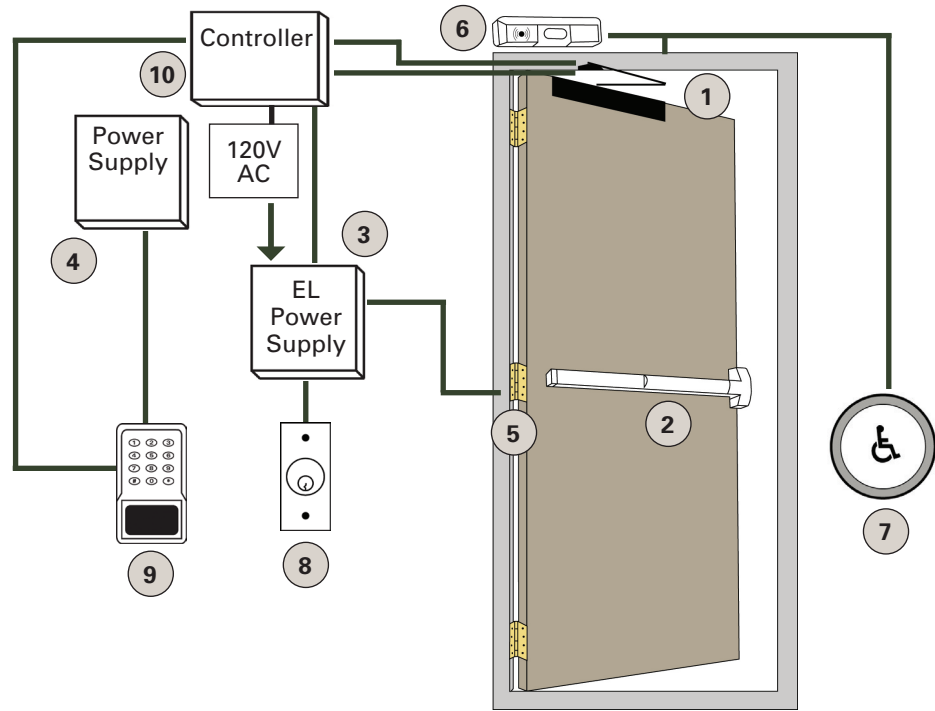
Volt \_\_\_\_\_

**Operator**

Push Side

Pull Side

Hand \_\_\_\_\_

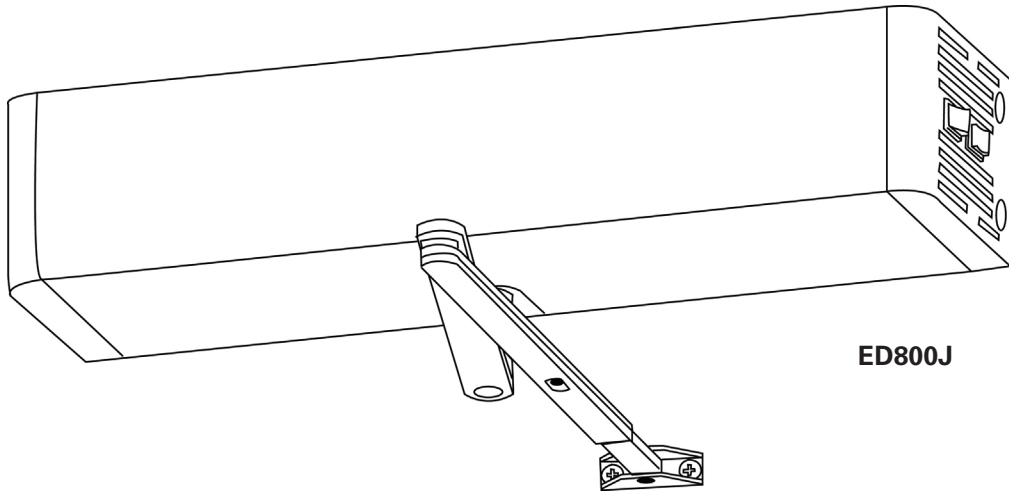


	Model	Finish	Currently On The Door	Additional Notes
1) Operator				
2) Exit Device				
3) EL Power Supply				
4) Power Supply				
5) Power Transfer				
6) Motion Detector				
7) Wall Switch / Actuator				
8) Key Switch				
9a) Keypad (Indoor)				
9b) Keypad (Outdoor)				
9c) Prox Reader				
9d) Magnetic Stripe Reader				
10) Controller				

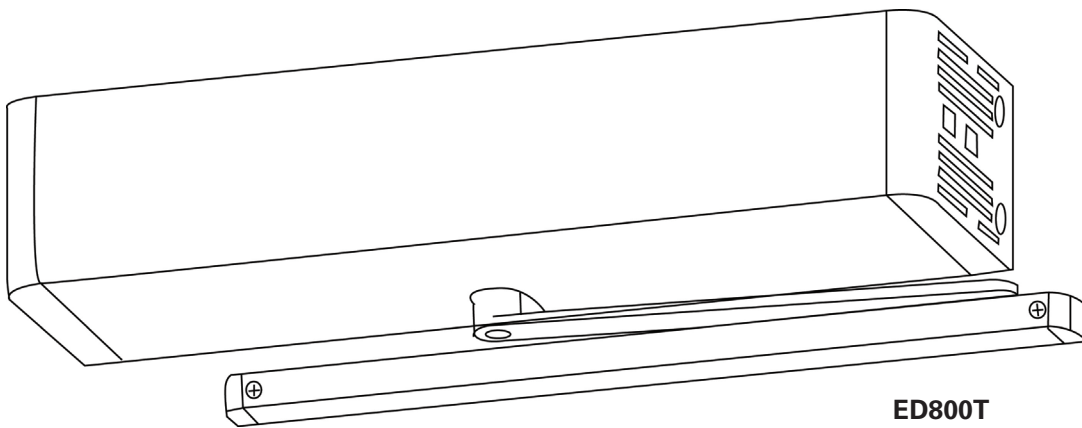


# Terminal Configurations

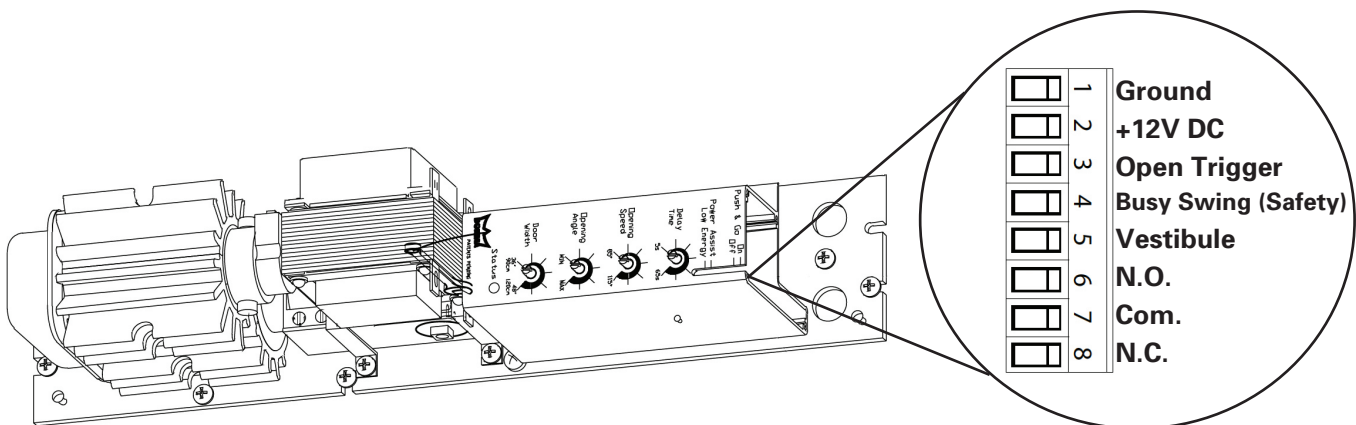
## Dorma ED800T and Dorma ED800J



**ED800J**



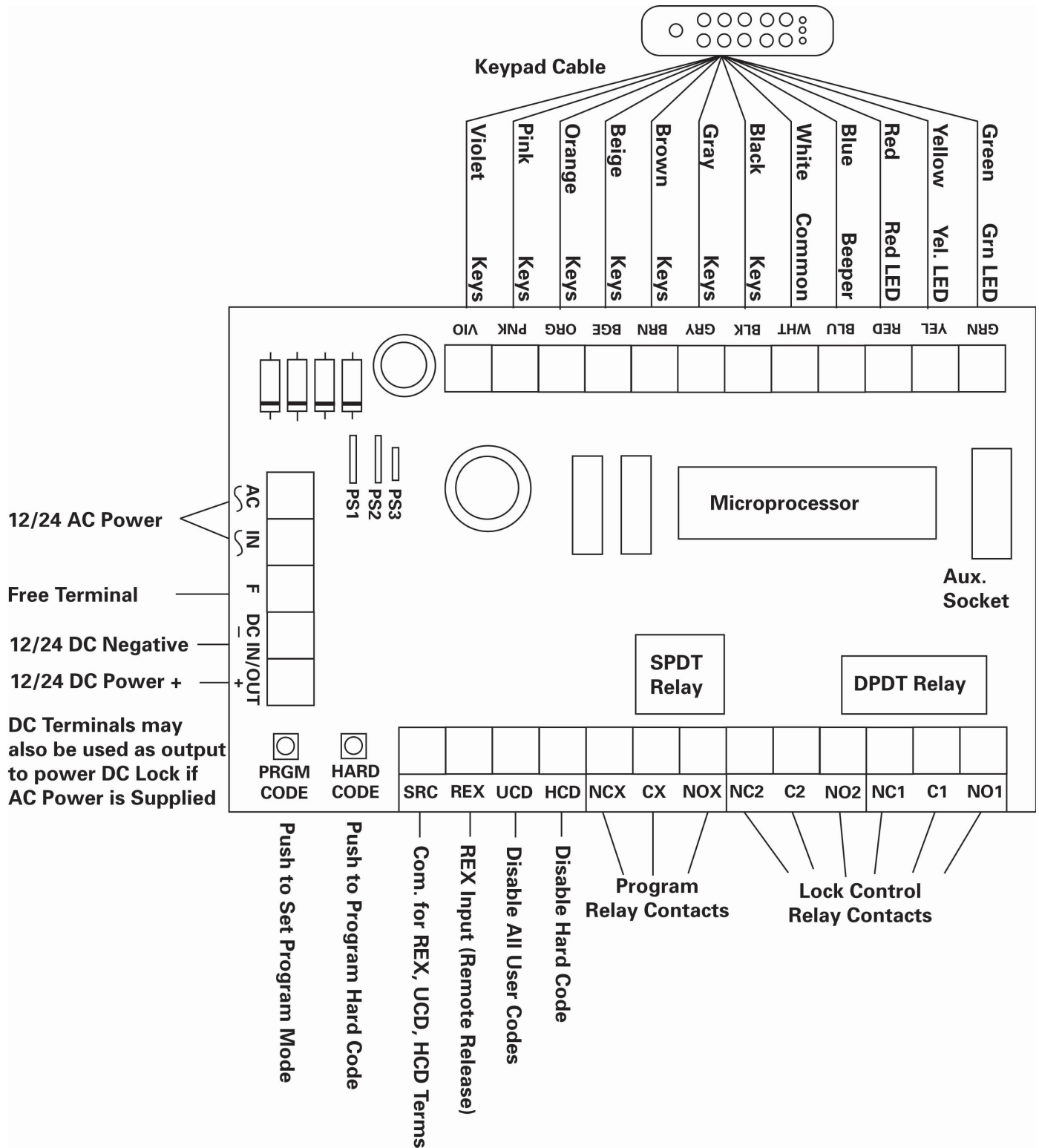
**ED800T**



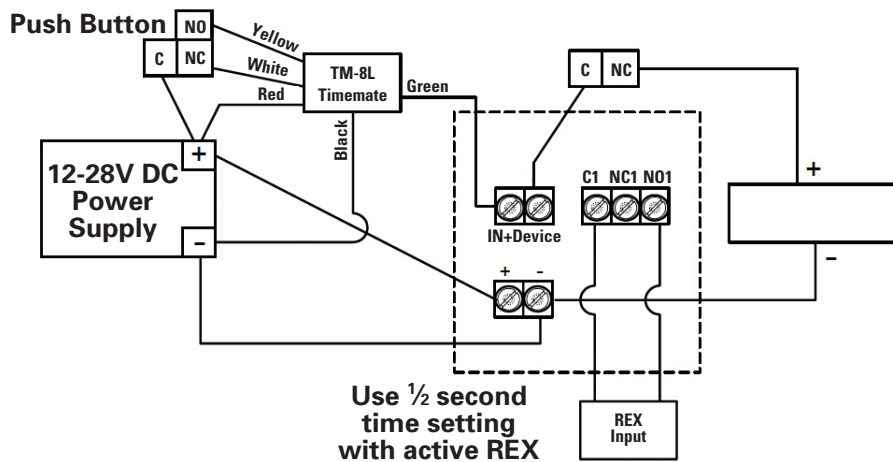
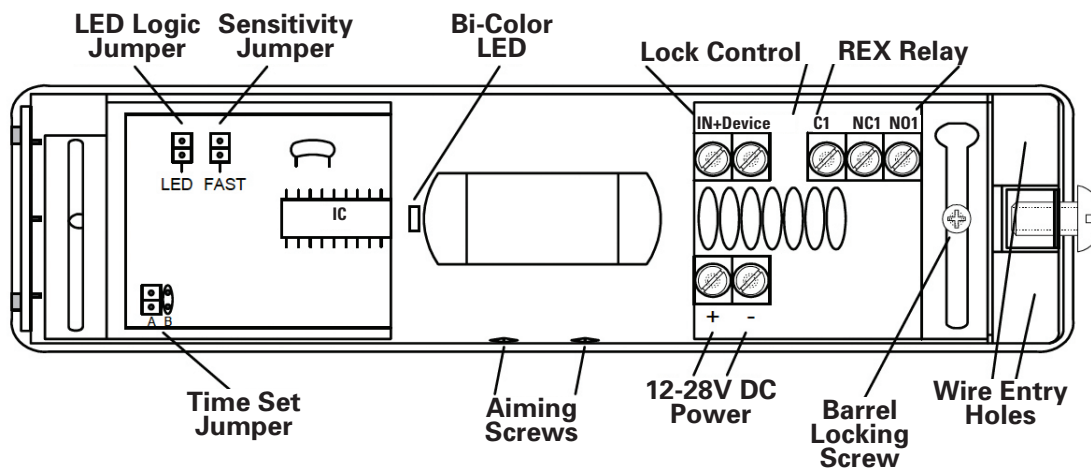
**ED800 Terminal Block**

# Terminal Configurations

## Securitron DK-16, DK-26, CPU Enclosure



# Terminal Configurations Securitron Motion Detector XMS





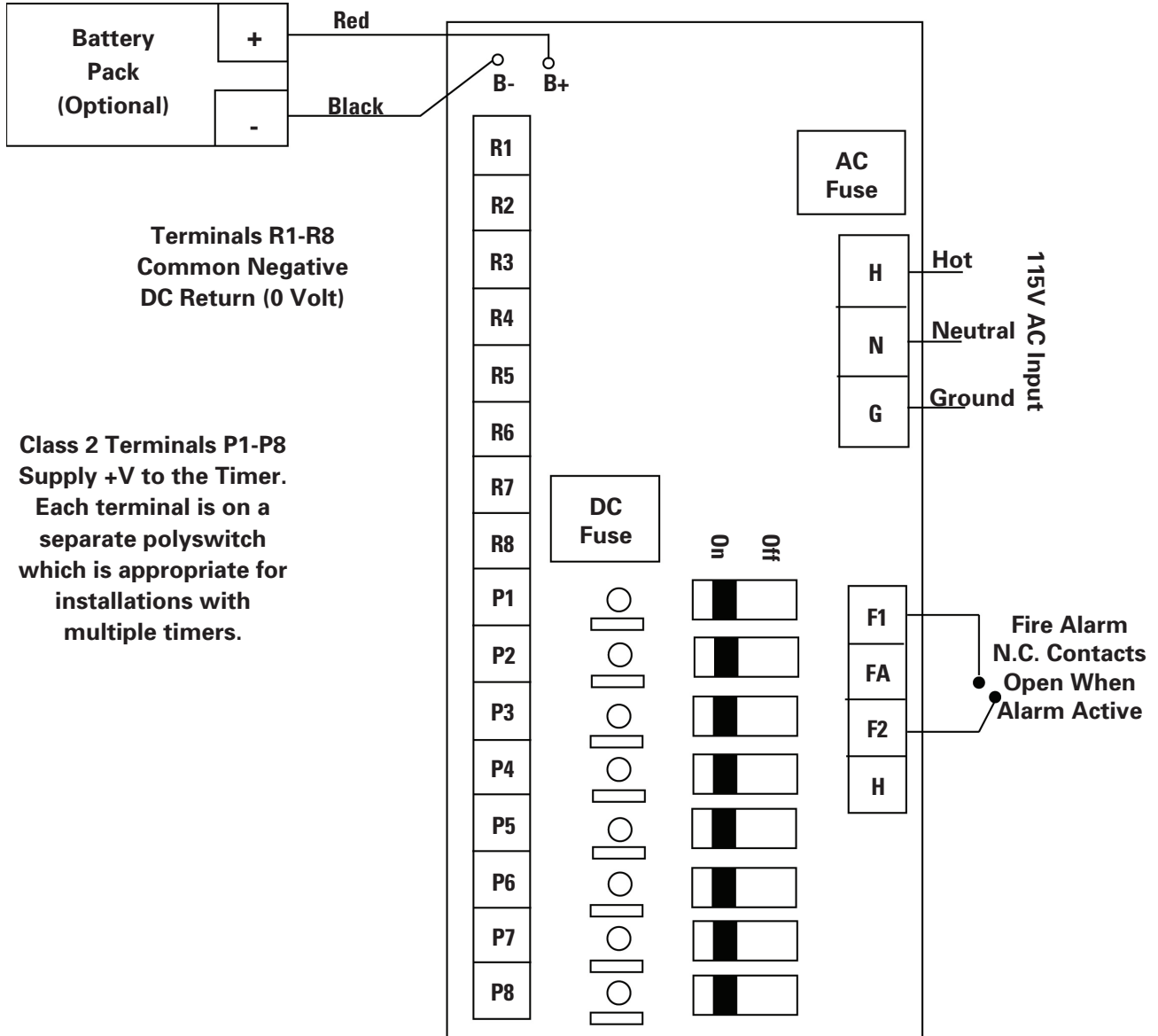
# Terminal Configurations

## Securitron BPS-12/24 Power Supply Wiring with CCS-8 Board

For:

BPS-12-6, BPS-12-9, BPS-12-15

BPS-24-4, BPS-24-6, BPS-24-10

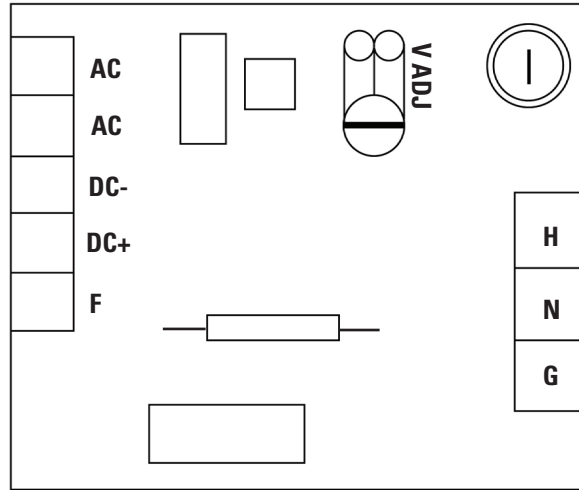


Slide switches power and de-power each "P" output. LED's show output status.

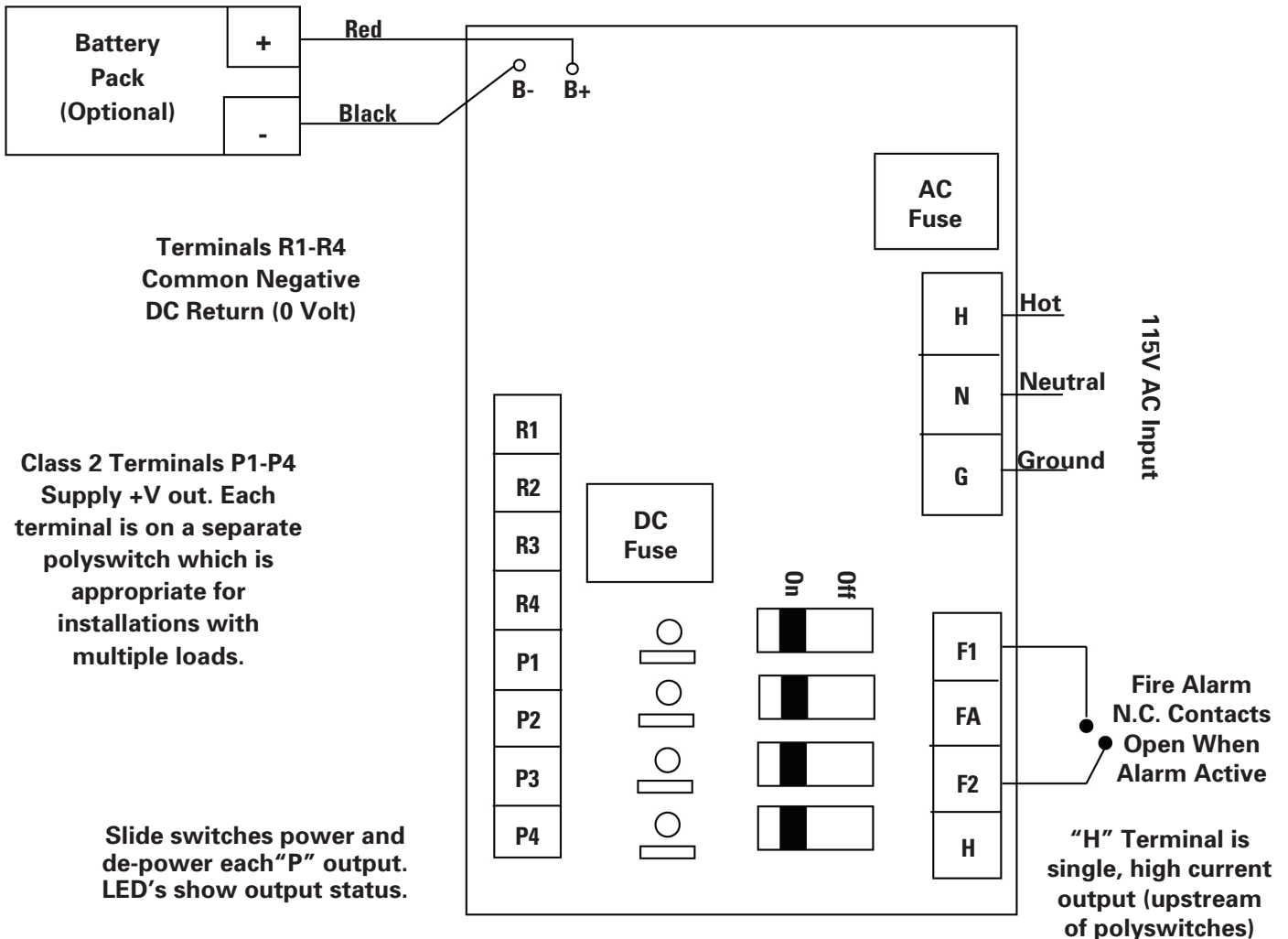
# Terminal Configurations

## Securitron BPS-12/24 Power Supply Wiring

For: BPS-12-1 and BPS-24-1

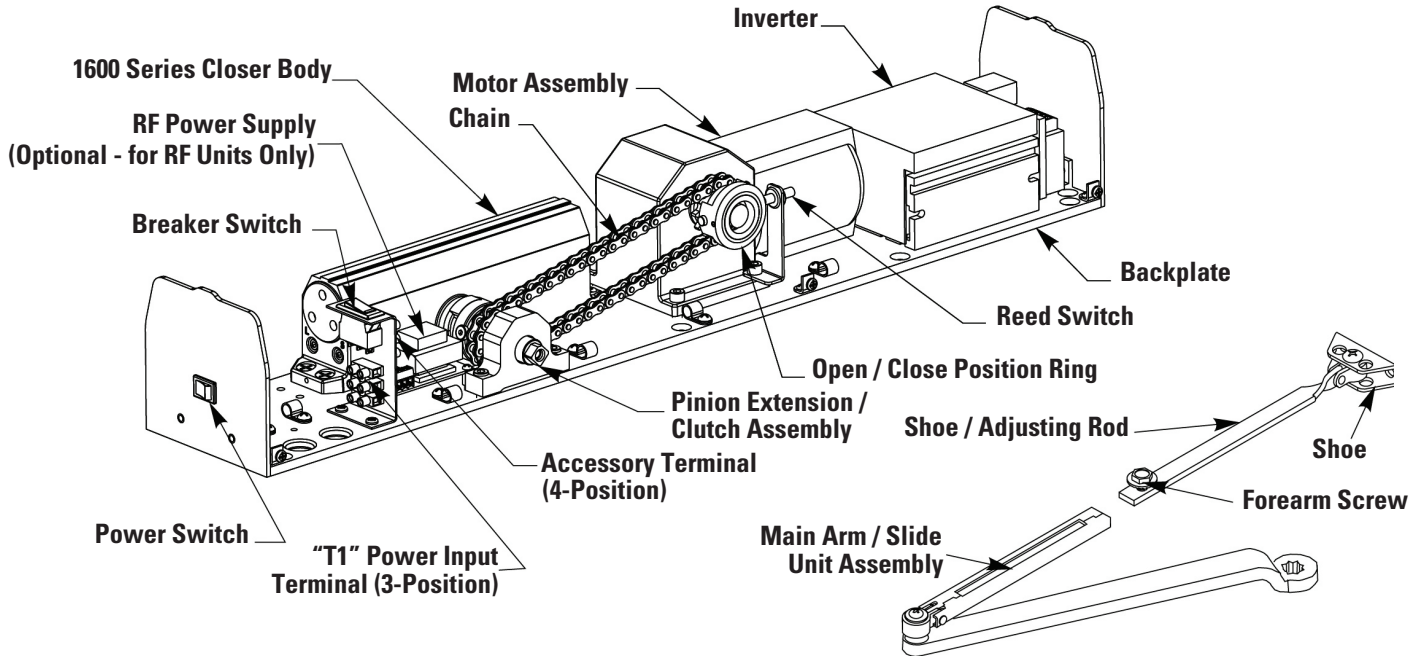


For: BPS-12-3 and BPS-12-4.5, BPS-24-2 and BPS-24-3



# Terminal Configurations

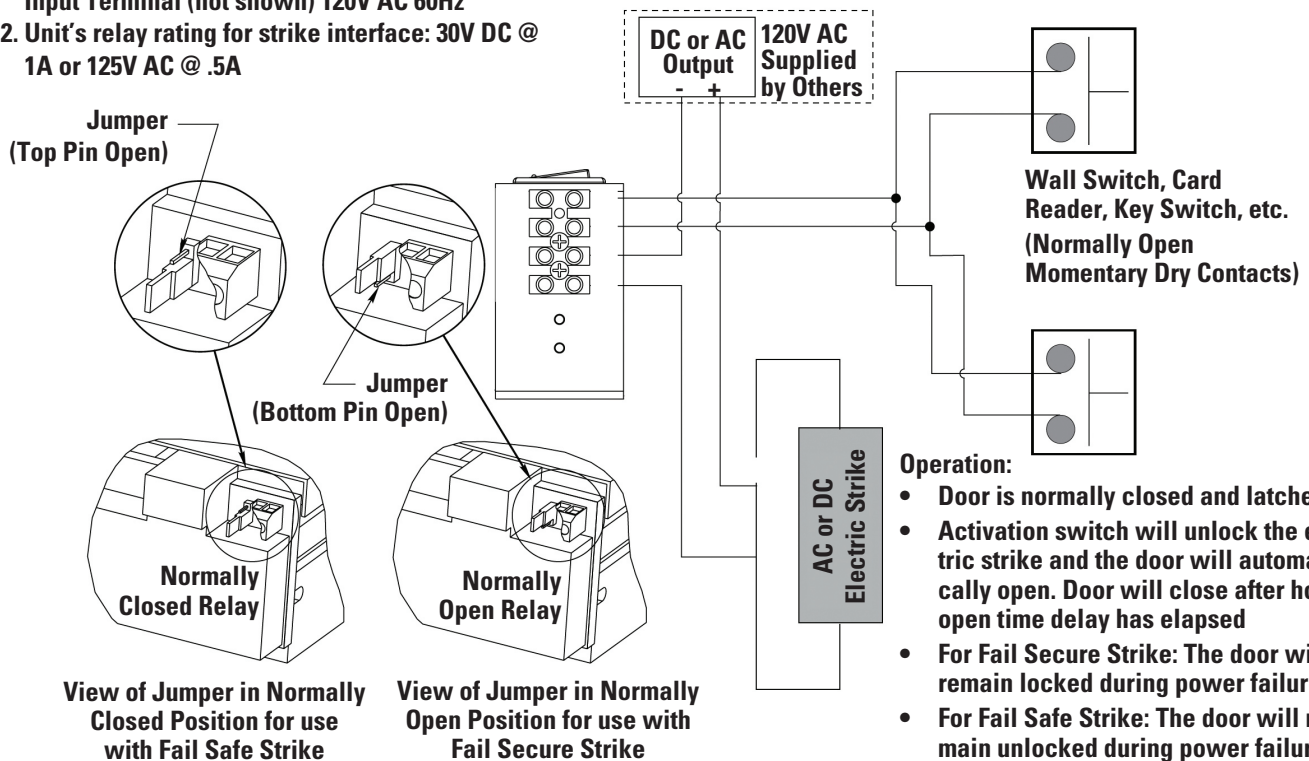
## Norton Low Energy Operator (LEO™)



### Fail Secure / Fail Safe Electric Strike Wiring

**Notes:**

1. Power input to door operator unit is at T1 Power Input Terminal (not shown) 120V AC 60Hz
2. Unit's relay rating for strike interface: 30V DC @ 1A or 125V AC @ .5A



## Chart to Determine Size of Battery Pack for Back-up Batteries for Controllers from Securitron

	MIN	1 HR	2 HR	4 HR	UL STD.	8 HR	16 HR	24 HR	48 HR	72 HR
150 MA	4 AH	4 AH	4 AH	4 AH	4 AH	4 AH	4 AH	8 AH	8 AH	12 AH
300 MA	4 AH	4 AH	4 AH	4 AH	4 AH	4 AH	8 AH	12 AH	16 AH	24 AH
500 MA	4 AH	4 AH	4 AH	4 AH	4 AH	8 AH	12 AH	16 AH	24 AH	36 AH
1 A	4 AH	4 AH	4 AH	8 AH	12 AH	12 AH	20 AH	24 AH	48 AH	72 AH
2 A	4 AH	4 AH	8 AH	12 AH	20 AH	20 AH	36 AH	48 AH	100 AH	150 AH
3 A	4 AH	8 AH	12 AH	16 AH	24 AH	28 AH	52 AH	72 AH	150 AH	240 AH
4 A	4 AH	8 AH	16 AH	20 AH	32 AH	36 AH	72 AH	100 AH	200 AH	300 AH
5 A	4 AH	12 AH	16 AH	24 AH	40 AH	44 AH	84 AH	120 AH	240 AH	360 AH
7.5 A	4 AH	16 AH	20 AH	36 AH	60 AH	72 AH	130 AH	180 AH	360 AH	480 AH
10 A	4 AH	20 AH	28 AH	48 AH	72 AH	100 AH	180 AH	240 AH	480 AH	720 AH

- "Min" Time refers to facility using a generator where the batteries are only required to operate the system for a few minutes
- U.L. Standard requires 4 hours of battery operation followed by a 24 hour recharge period and then a second 4 hours of operation
- Standard Securitron power supplies can only charge up to a 20AH pack. If a larger pack is called for, the factory must be alerted to supply modified equipment. Larger packs are shown in italics in the chart.
- Batteries must be sealed lead acid or gel cell types. Dry cells will not recharge and will be damaged.
- This chart is only valid if batteries are operated at room temperature. In a cold environment, capacity is reduced.
- Batteries should be replaced after 5 years of use.