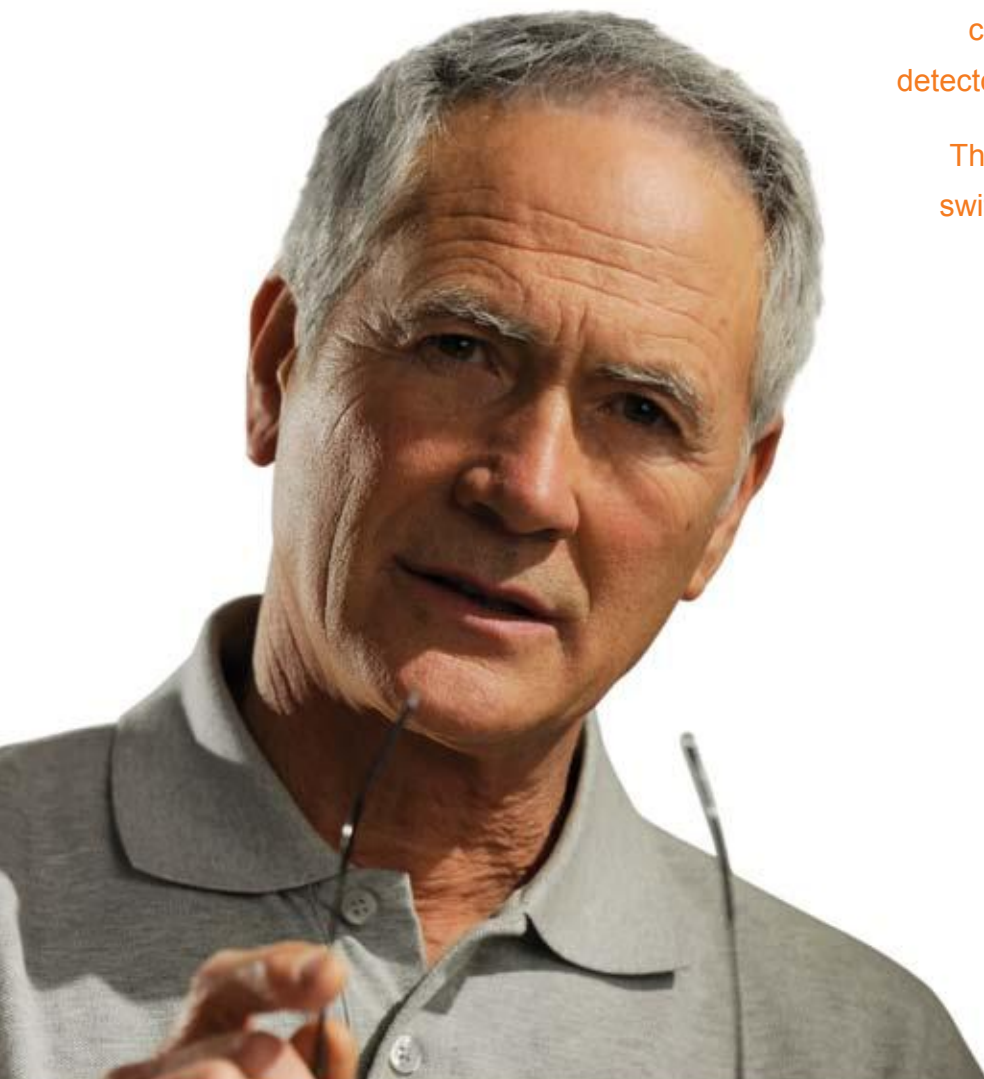


# Fail Safe

“Electromagnetic door holders are a vital part of the systems we have installed in our facility to keep our personnel safe.

All doors remain open until they receive a release signal from our fire alarm system, strategically placed heat or smoke detectors, or electrical switches.

These rugged, good-looking switches silently do their part to keep us safe day-in and day-out.”



# Product Index

Edwards offers magnetic door holders, door openers, latches and switches for safe and secure mechanical door operation. These dependable, long service devices provide the security and convenience you need.

## Door Holders, Openers and Switches



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Door Trip Switch

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# Door Holders, Openers and Switches

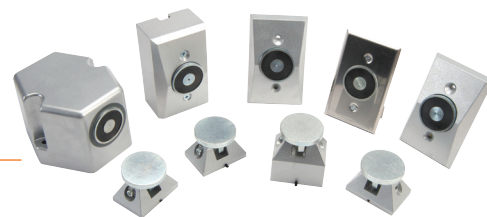
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# Door Holders

## Electromagnetic

### 1500 Series



The Edwards 1500 Series electromagnetic door holders feature housings finished with durable baked polyester powder paint. The floor or wall section houses the electromagnet while the contact plate attaches to the door. The contact plate has a shock absorbing nylon (swivel) ball that allows the plate to adjust to any door angle. Floor units are available in single-door or double-door (back to back) versions. Wall units are available in flush or surface mounted versions.

If power fails, doors are released automatically but may be opened or closed manually at any time. All units are free of moving parts, are self-contained and require no maintenance.

The device holders hold a door open while energized. When de-energized by a relay controlled by the fire alarm system or other switch, the door is released to a closed position.

#### Features and Specifications

- Floor and wall mounted styles
- Baked polyester powder paint finish
- Low power consumption
- Silent operation
- 25 Lbf (111N) nominal holding force
- Adjustable, swivel contact plate
- Single-door or double-door (back to back) versions – floor mounted
- Flush or surface mounted versions – wall mounted
- Operating temperature range: 32°F to 120°F (0°C to 49°C)

#### Ordering Information

Description	Cat. No.	Operating Voltage <sup>1</sup>	Current
Floor Mounted (Single Door)	<b>1501-AQN5</b>	24V AC; 24V DC/120V AC	0.015 A
Floor Mounted (Double Door)	<b>1502-AQN5</b>	24V AC; 24V DC/120V AC	0.015 A <sup>2</sup>
Flush Wall Mounted (Long Catch Plate)	<b>1504-AQN5</b>	24V AC; 24V DC/120V AC	0.015 A
Flush Wall Mounted (Short Catch Plate)	<b>1505-AQN5</b>	24V AC; 24V DC/120V AC	0.015 A
Surface Wall Mounted	<b>1508-AQN5</b>	24V AC; 24V DC/120V AC	0.015 A
Completely Flush Wall Mounted	<b>1509-AQN5</b>	24V AC; 24V DC/120V AC	0.015 A

<sup>1</sup>AC voltage frequency is 60 Hz

<sup>2</sup>Draws 0.015 A per side

#### Accessories

Description	Cat. No.
Catch plate extension assembly, 1.5"	<b>1500-1</b>
Catch plate extension assembly, 2.5"	<b>1500-2</b>
Catch plate extension assembly (5.25 to 7.5 inches)	<b>1500-7</b>
Catch plate extension assembly (7.5 to 12 inches)	<b>1500-12</b>
Replacement armature - short (for use with 1501, 1502, 1505, 1508 and 1509 door holders)	<b>CS2595-5</b>
Replacement armature - long (for use with 1504 door holder)	<b>CS2598-5</b>



MEA



# Door Holders

## Electromagnetic

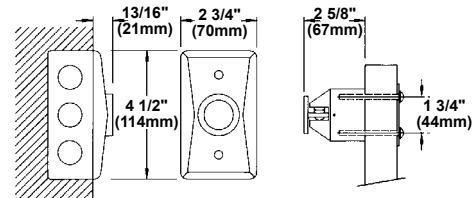
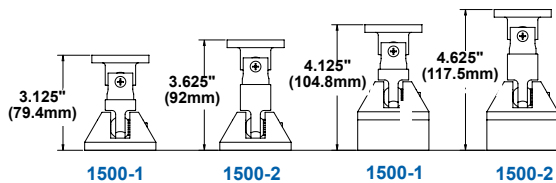
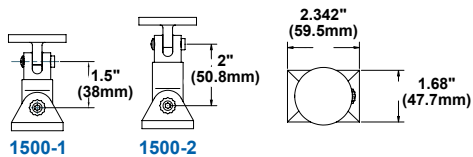
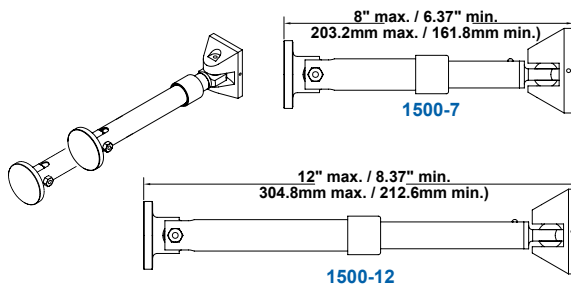
### 1500 Series

#### Weights and Dimensions

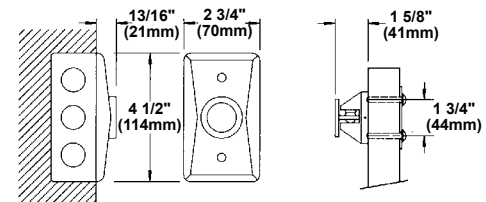
Cat. No.	Approx. Shipping Weight (lb.)
1501-AQN5	5.40
1502-AQN5	5.00
1504-AQN5	2.00
1505-AQN5	2.00
1508-AQN5	3.00
1509-AQN5	2.00
1500-1	0.25
1500-2	0.25
1500-7	0.50
1500-12	1.00
CS2595-5	0.25
CS2598-5	0.25

#### Catch Plate Extensions

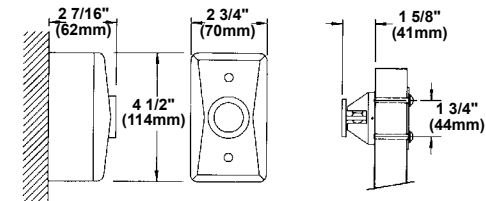
**NOTE:** Only the extension rods are included. The end pieces are included with the doorholders or can be ordered separately.



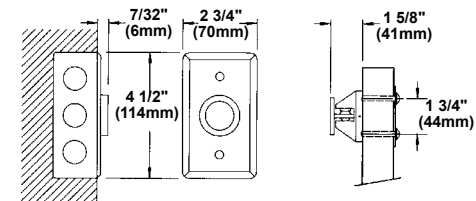
1504-AQN5 Flush Wall Mounted (Long Catch Plate)



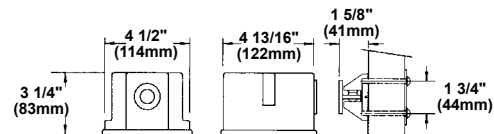
1505-AQN5 Flush Wall Mounted (Short Catch Plate)



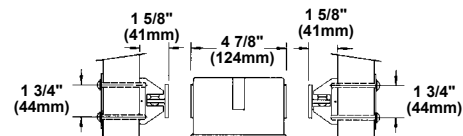
1508-AQN5 Surface Wall Mounted



1509-AQN5 Completely Flush Wall Mounted



1501-AQN5 Floor Mounted (Single Door)



1502-AQN5 Floor Mounted (Double Door)

## Door Openers

### Rim

#### 150 Series

The 152 rim type surface mounted door opener is a long service device, providing the security and convenience of remote control door-lock operation. The door remains locked until the opener is electrically actuated by a remote contact device. For AC models, use appropriate Transformer.

#### Features and Specifications

- Brass nosing
- Easy surface installation
- Rugged, heavy duty construction
- For surface mount installations

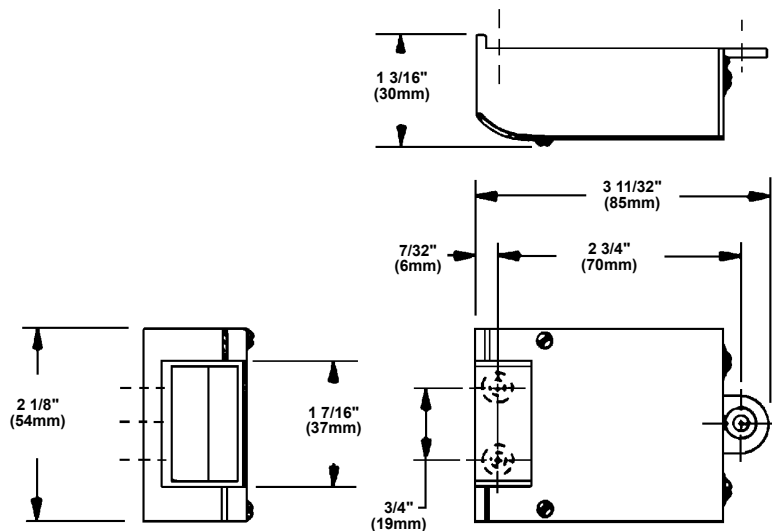


#### Ordering Information

Description	Cat. No.	Operating Voltage	Current	Transformer Cat. No.
Rim Door Opener	<b>152-AE</b>	4 - 6V DC	1.3 - 2.7 A	—
		8 -16V AC	1.3 - 2.7 A	598
	<b>152-G1</b>	24V DC	0.19 A	—
	<b>152-G5</b>	24V AC	1.40 A	599

#### Weights and Dimensions

Cat. No.	Approx. Shipping Weight (lb.)
<b>152-AE</b>	0.70
<b>152-G1</b>	0.70
<b>152-G5</b>	0.70



# Door Openers

## Mortise

### 150 Series

The 150 and 151 mortise door openers are dependable long service devices, providing the security and convenience of remote control door-lock operation. These units are flush mounted in place of the regular door strike plates. The door remains locked until the opener is electrically actuated by a remote contact device. For AC models, use with a 592 Transformer.

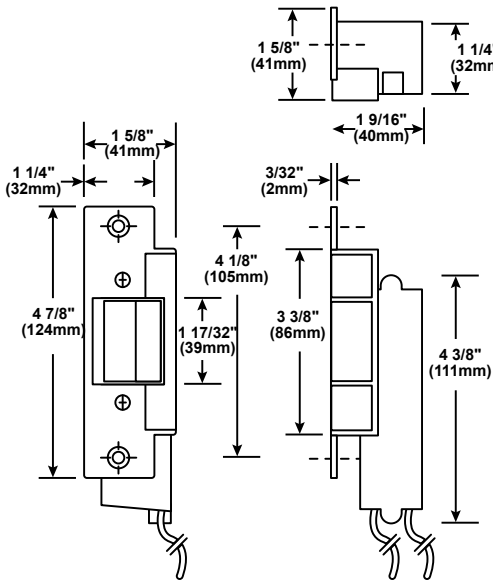
#### Features and Specifications

- Easy to install
- Fits left and right hand doors
- Rugged, heavy duty construction
- For use in hollow metal jambs



Ordering Information				
Description	Cat. No.	Operating Voltage	Current	Finish
Door Opener	150-G5	24V AC	0.42 A	Painted Brass Faceplate with Chrome Nosing
	150-G1	24V DC	0.20 A	Painted Brass Faceplate with Chrome Nosing
	151-G5	24V AC	0.42 A	Brushed Chrome
	151-G1	24V DC	0.20 A	Brushed Chrome

Weights and Dimensions	
Cat. No.	Approx. Shipping Weight (lb.)
150-G5	0.80
150-G1	0.90
151-G5	0.90
151-G1	0.90



# Door Openers

## Mortise

### 150 Series

The 154 mortise type door opener is a long service device, providing the security and convenience of remote control door-lock operation. This unit flush mounts in place of the regular door strike plate. The door remains locked until the opener is electrically actuated by a remote contact device. For AC models, use appropriate Transformer. See below table.

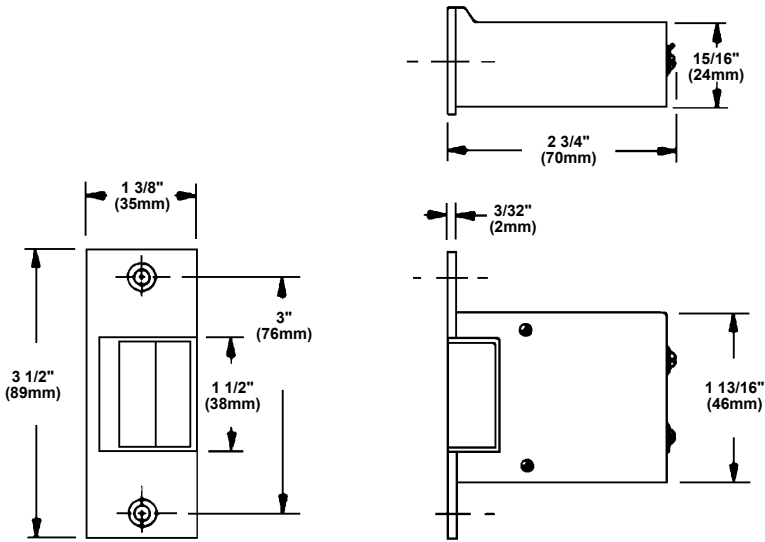
### Features and Specifications

- Painted brass faceplate and nosing
- Fits left and right hand doors
- Easy installation
- Rugged, heavy duty construction
- For use in wood jambs and gating systems



Ordering Information				
Description	Cat. No.	Operating Voltage	Current	Transformer Cat. No.
Mortise Door Opener	154-AD	4 - 6V DC	1.3 - 2.7 A	—
		8 -16V AC	1.3 - 2.7 A	598
	154-G1	24V DC	0.19 A	—
	154-G5	24V AC	1.40 A	599

Weights and Dimensions	
Cat. No.	Approx. Shipping Weight (lb.)
154-AD	0.80
154-G1	0.80
154-G5	0.80





# Door Openers

## Mortise

### 170 Series

The 170 Series mortise type door openers are long service devices, providing the security and convenience of remote control door-lock operation. These units flush mount in place of the regular door strike plate.

With the non-reverse acting units, the door remains locked until the opener is electrically actuated by a remote contact device. For reverse acting units, the door remains unlocked (with current off). When energized through a timer or manual switch, the unit keeps the door locked. For AC operation, use with either an 88-50, 596, or 592 Transformer.

#### Continuous Duty Operation

The 177-RG5 and 178-RG5 are suitable for continuous duty operation. However, when operated from 24V AC, they must be connected through the SR-1 Silencing Assembly. They may also be operated directly from 24V DC.

#### Features and Specifications

- Fits left and right hand doors
- Easy installation
- Rugged, heavy duty construction
- For use in wood and metal jambs
- Continuous duty operation (**177-RG5** and **178-RG5**)



#### Ordering Information

Description	Cat. No.	Operating Voltage	Current	Transformer	Finish
Non-Reverse Acting	<b>177-AF</b>	4 - 6V DC	1.3 - 2.7 A	—	Painted brass faceplate with chrome nosing
		8 - 16V AC	1.3 - 2.7 A	12V tap of 88-50 or 598	
	<b>177-G5</b>	24V AC	1.40 A	24V tap of 88-50 or 599	Painted brass faceplate with chrome nosing
	<b>177-G1</b>	24V DC	0.19 A	—	Painted brass faceplate with chrome nosing
	<b>178-AF</b>	4 - 6V DC	1.3 - 2.7 A	—	Satin chrome faceplate and nosing
		8 - 16V AC	1.3 - 2.7 A	12V tap of 88-50 or 598	
	<b>178-G5</b>	24V AC	1.40 A	24V tap of 88-50 or 599	Satin chrome faceplate and nosing
	<b>178-G1</b>	24V DC	0.30 A	—	Satin chrome faceplate and nosing
Reverse Acting, Continuous Duty	<b>177-RG5<sup>1</sup></b>	24V DC	0.19 A	24V tap of 88-50 or 592 <sup>1</sup>	Painted brass faceplate with chrome nosing
	<b>178-RG5<sup>1</sup></b>	24V DC	0.19 A	24V tap of 88-50 or 592 <sup>1</sup>	Satin chrome faceplate and nosing

<sup>1</sup>Requires the SR-1 silencing rectifier.

#### Accessories

Description	Cat. No.
Silencing Assembly (rectifier) <sup>2</sup>	<b>SR-1</b>

<sup>2</sup>Required with AC transformers on reverse action openers. 1 1/4" (32mm) square



11

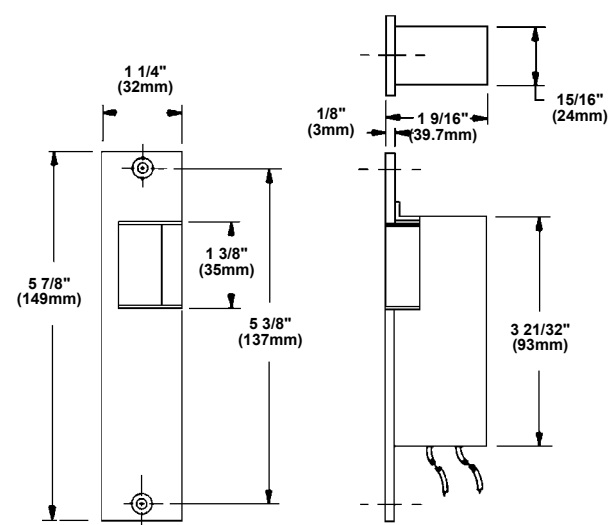
DOOR HOLDERS, OPENERS AND SWITCHES

Door Openers

Mortise

170 Series

Weights and Dimensions	
Cat. No.	Approx. Shipping Weight (lb.)
177-AF	0.90
177-G5	0.90
177-G1	0.90
177-RG5	0.90
178-AF	0.80
178-G5	0.80
178-G1	0.80
178-RG5	0.80
SR-1	0.10



# Door Openers

## Mortise

### 180 Series

The 180 Series mortise type door openers are long service devices, providing the security and convenience of remote control door-lock operation. These units are used with cylindrical, bored type locksets and conform to ANSI specifications for steel door frames. The door remains locked until the opener is electrically actuated by a contact device. For AC operation, use with either an 88-50 or 598 Transformer.

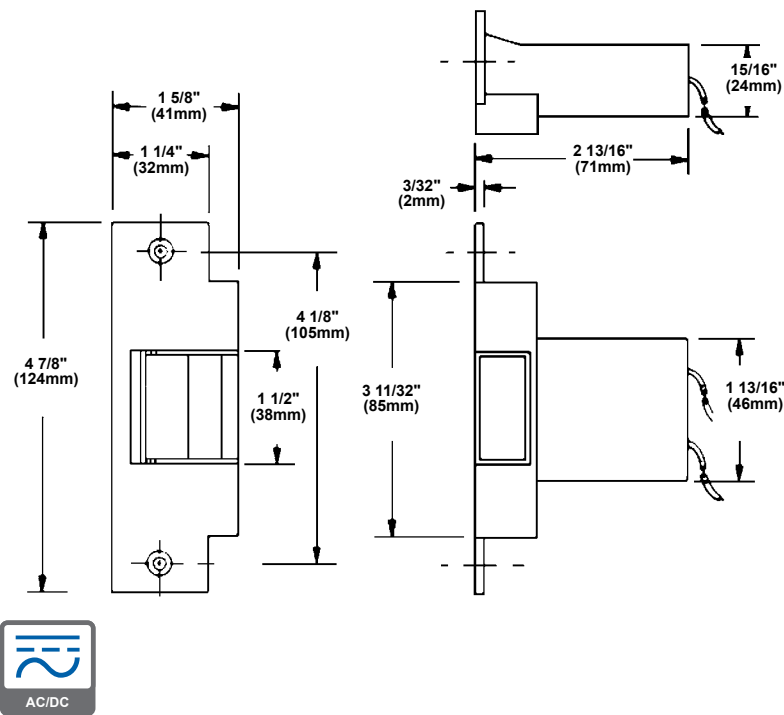
#### Features and Specifications

- Fits left and right hand doors
- Easy installation
- Rugged, heavy duty construction
- For use in wood and hollow metal jambs
- Conforms to ANSI specifications for steel door frames



Ordering Information					
Description	Cat. No.	Operating Voltage	Current	Transformer Cat. No.	Finish
Mortise Door Opener	180-AF	4 - 6V DC	1.3 - 2.7 A	–	Painted brass faceplate with chrome nosing
		8 - 16V AC	1.3 - 2.7 A	12V tap of 88-50 or 598	
	181-AF	4 - 6V DC	1.3 - 2.7 A	–	Satin chrome faceplate and nosing
		8 - 16V AC	1.3 - 2.7 A	12V tap of 88-50 or 598	

Weights and Dimensions	
Cat. No.	Approx. Shipping Weight (lb.)
180-AF	0.80
181-AF	0.90



## Door Openers

### Mortise

### 180 Series

The 188 mortise type door opener is a long service device, providing the security and convenience of remote control door-lock operation. The door remains locked until the opener is electrically actuated by a contact device. For AC operation, use with an 88-50 or 598 Transformer.

#### Features and Specifications

- Fits left and right hand doors
- Easy installation
- Rugged, heavy duty construction
- For use in wood and hollow aluminum jambs

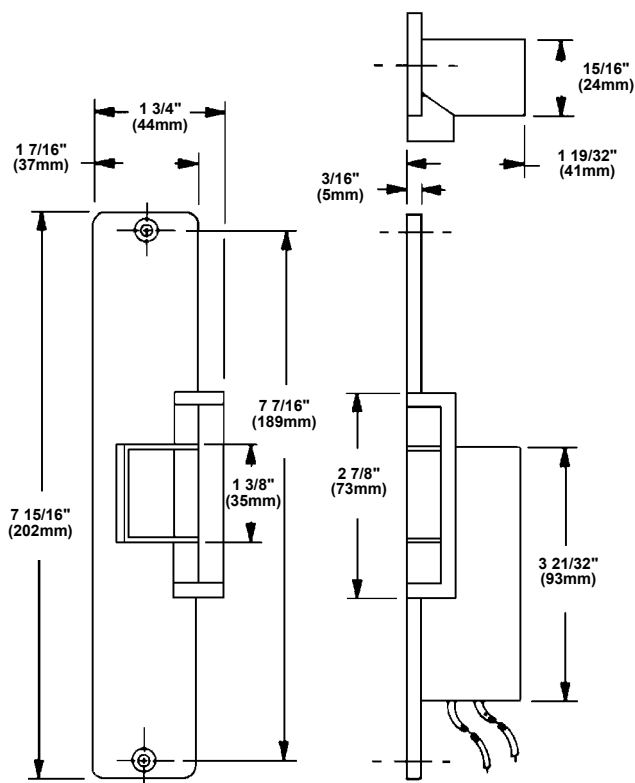


#### Ordering Information

Description	Cat. No.	Operating Voltage	Current	Transformer Cat. No.	Finish
Mortise Door Opener	<b>188-AF</b>	4 - 6V DC	1.3 - 2.7 A	—	Satin zinc faceplate and nosing
		8 - 16V AC	1.3 - 2.7 A	12V tap of 88-50 or 598	

#### Weights and Dimensions

Cat. No.	Approx. Shipping Weight (lb.)
<b>188-AF</b>	1.00



Door Openers  
Mortise  
9 Series

The 9E and 9G mortise door openers are long service devices, providing the security and convenience of remote control door-lock operation. These units are flush mounted in place of the regular door strike plate. The door remains locked until the opener is electrically actuated by a contact device. For AC operation, use with an 88-50 or 598 Transformer.

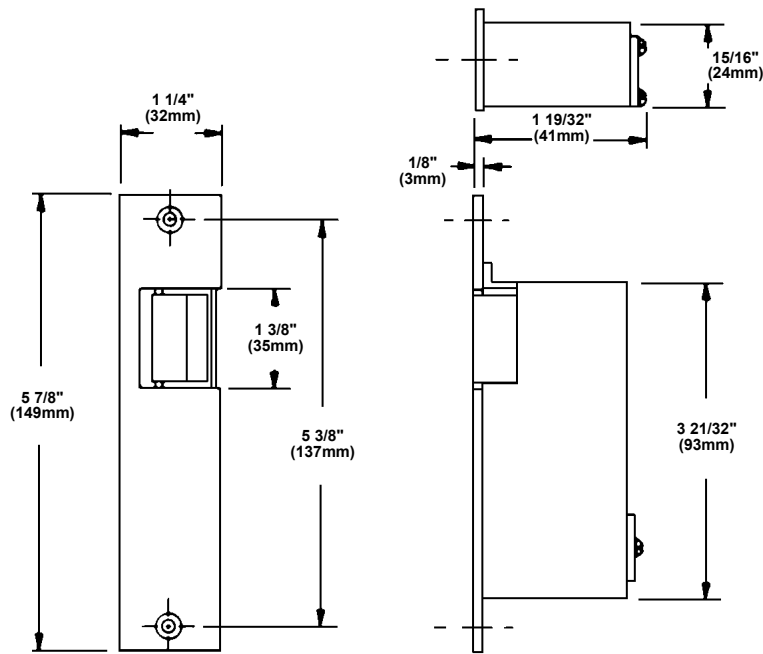
Features and Specifications

- Fits left and right hand doors
- Easy installation
- Rugged, heavy duty construction
- For use in wood jambs



Ordering Information					
Description	Cat. No.	Operating Voltage	Current	Transformer Cat. No.	Finish
Mortise Door Opener	9E	4 - 6V DC	1.3 - 2.7 A	—	Brushed aluminum and lacquered faceplate and nosing
		8 - 16V AC	1.3 - 2.7 A	12V tap of 88-50 or 598	
	9G5	24V AC	1.4 A	598	Brushed aluminum and lacquered faceplate and nosing

Weights and Dimensions	
Cat. No.	Approx. Shipping Weight (lb.)
9E	0.80
9G5	0.80



# Door Light Switches

## 500 Series

The 502A and 503A electric door light switches are available as either normally open or normally closed units. The switch mounts using the mounting holes on 3 1/4" (83mm) centers.

The 501A-G may be wired either normally open or normally closed (shipped normally closed). The switch mounts using the mounting holes on 3" (76mm) centers.

### Features and Specifications

- All purpose electric door switch
- Normally open or normally closed switches available
- May be wired either normally open or normally closed (**501A-G**)
- Painted gold faceplate (**501A-G**)
- Painted gray faceplate (**502A and 503A**)



Ordering Information				
Description	Cat. No.	Switching Voltage	Current	Faceplate Color
Normally Opened or Normally Closed	<b>501A-G</b>	120V AC	10 A	Gold
Normally Closed	<b>502A</b>	120V AC	6 A	Gray
Normally Opened	<b>503A</b>	120V AC	6 A	Gray

Weights and Dimensions			
Cat. No.	Approx. Shipping Weight (lb.)	Dimensions	
		Faceplate (in.)	Switch (in.)
<b>501A-G</b>	0.50	3 7/8 H x 1 1/4 W	2 15/16 H x 1 11/32 W x 1 3/4 D
<b>502A</b>	0.50	4 H x 1 1/2 W	2 15/16 H x 1 11/32 W x 1 3/4 D
<b>503A</b>	0.58	4 H x 1 1/2 W	2 15/16 H x 1 11/32 W x 1 3/4 D



# Rolling Ball Switches

## Low Voltage

### 44, 45 and 46E

The 44, 45 and 46E rolling ball switches are insulated, rugged devices that operate from pressure in any direction. Installation requires no mortise.

#### Features and Specifications

- Fast installation
- Low voltage
- Insulated



Ordering Information				
Description	Cat. No.	Operating Voltage	Current	
			DC Current	AC Current
Push to Open	44	12V	2 A	2 A
		24V	1 A	2 A
		48V	0.5 A	1 A
Push to Close	45	12V	2 A	2 A
		24V	1 A	2 A
		48V	0.5 A	1 A
Push to Make, then Break and Repeat on Return	46E	12V	2 A	2 A
		24V	1 A	2 A
		48V	0.5 A	1 A

Weights and Dimensions			
Cat. No.	Approx. Shipping Weight (lb.)	Hole Diameter (in.)	Hole Depth (in.)
44	0.10	13/16	1 1/8
45	0.10	13/16	1 1/8
46E	0.10	13/16	1 1/8



## Door Trip Switch

### Low Voltage

### 236 Series

The 236 door trip switch is a low voltage contact device for external mounting. The device makes and breaks as the door opens.

#### Features and Specifications

- Non insulated
- Low voltage
- Zinc plated



#### Ordering Information

Description	Cat. No.	Switching Voltage
Door Trip Switch	236	48V AC max.

#### Weights and Dimensions

Cat. No.	Approx. Shipping Weight (lb.)	Dimensions		
		Length (in.)	Width (in.)	Depth (in.)
236	0.10	1 1/4	1 5/16	3 1/4

