

2024

# Product Catalogue

*We specialize in Electronic Locking Products and Access Control Systems*



**GEM**®

# **ABOUT GEM<sup>®</sup>** ***Gianni Industries, Inc.***

Gianni Industries, Inc. (GEM<sup>®</sup>) is one of the world's leading manufacturers in providing top quality access control products. GEM<sup>®</sup> was established in 1992 in Taiwan and specializes in electromagnets and electric strikes for a wide range of applications.

With distribution outlets in over 70 countries worldwide, GEM<sup>®</sup> helps customers navigate their toughest security challenges and differentiate themselves by providing innovative and reliable solutions. Our commitment to quality and customer service has been recognized by well-known institutions around the world. GEM<sup>®</sup> products have been widely used in international airport buildings, such as Amsterdam Airport Schiphol, Birmingham International Airport, Sydney Airport, Melbourne Airport, and Bangkok Airport.

We are among a handful of manufactures to receive the CE and UL certifications, as well as patents in over 30 countries including USA, Germany, UK, France and Australia. We help advocate for and raise security standards in markets around the world.

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# CONTENTS

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ELECTROMAGNETIC LOCKS & BRACKETS	<b>1-18</b>
ELECTRIC STRIKES	<b>2-13</b>
CABINET LOCKS	<b>3-1</b>
ELECTROMECHANICAL LOCKING DEVICES	<b>4-4</b>
ELECTROMECHANICAL PUSH BAR	<b>5-1</b>
ELECTRIC DROBOLTS	<b>6-5</b>
SHEAR LOCKS	<b>7-2</b>
AUTOMATIC DOOR OPERATOR	<b>8-1</b>
ACCESS CONTROLS	<b>9-9</b>
POWER SUPPLIES	<b>10-3</b>
VIDEO INTERCOM SYSTEM	<b>11-2</b>
EXIT BUTTONS & DEVICES	<b>12-11</b>
CALL POINTS	<b>13-3</b>
KEY SWITCHES	<b>14-2</b>
ELECTROMAGNETIC DOOR HOLDERS	<b>15-2</b>
SINGLE DOOR ACCESS CONTROL KITS	<b>16-7</b>



*GIANNI INDUSTRIES, INC.*

# ***ELECTROMAGNETIC LOCKS & BRACKETS***

# ELECTROMAGNETIC LOCKS

## Indoor Standard Series

### Standard Electromagnetic Locks

	10001	10002	10010-254	10020-254
<b>Model</b>				
<b>Voltage</b>	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable
<b>Current Draw</b>	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 270 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 270 mA/24 VDC
<b>Holding Force (LB)</b>	600	600	1200	1200
<b>Dimensions (L x W x D)</b>	9 13/16" x 1 11/16" x 1" 250 x 42.5 x 25 mm	9 13/16" x 1 11/16" x 1" 250 x 42.5 x 25 mm	10" x 2 5/8" x 1 9/16" 254 x 67 x 40 mm	10" x 2 5/8" x 1 9/16" 254 x 67 x 40 mm
<b>Finish</b>	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)
<b>Bond Sensor</b>	No	Yes	No	Yes
<b>Optional Features</b>	—	M, DS, TD	—	M, DS, TD
<b>Certifications</b>	UL 294, UL 1034, UL 864	UL 294	UL 294, UL 1034, UL 864	UL 294

**M:** Bond sensor & Bi-color status LED indicator **DS:** Door status sensor

**TD:** Relock time delay **BZ:** Door held open alarm



# ELECTROMAGNETIC LOCKS

## Indoor Standard Series

### Standard Electromagnetic Locks



	10004	10005	10040-254	10060-254
<b>Model</b>				
<b>Voltage</b>	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable
<b>Current Draw</b>	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 270 mA/24 VDC	500 mA/12 VDC 270 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC
<b>Holding Force (LB)</b>	600 x2	600 x2	1200 x2	1200 x2
<b>Dimensions (L x W x D)</b>	19 11/16" x 1 11/16" x 1" 500 x 42.5 x 25 mm	19 11/16" x 1 11/16" x 1" 500 x 42.5 x 25 mm	21" x 2 5/8" x 1 9/16" 533 x 67 x 40 mm	21" x 2 5/8" x 1 9/16" 533 x 67 x 40 mm
<b>Finish</b>	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)
<b>Bond Sensor</b>	No	Yes	Yes	No
<b>Optional Features</b>	—	M, DS, TD	M, DS, TD	—
<b>Certifications</b>	UL 294	UL 294	UL 294	UL 294

**M:** Bond sensor & Bi-color status LED indicator **DS:** Door status sensor

**TD:** Relock time delay **BZ:** Door held open alarm

# ELECTROMAGNETIC LOCKS

## Indoor GEM Series

New Style Mounting Plate Design							
	GEM-300	GEM-600	GEM-800	GEM-1200	GEM-D600	GEM-D800	GEM-D1200
<b>Model</b>							
<b>Voltage</b>	12/24 VDC Auto selectable	12/24 VDC Auto selectable	12/24 VDC Auto selectable	12/24 VDC Auto selectable	12/24 VDC Auto selectable	12/24 VDC Auto selectable	12/24 VDC Auto selectable
<b>Current Draw</b>	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC
<b>Holding Force (LB)</b>	300	600	800	1200	600 x2	800 x2	1200 x2
<b>Dimensions (L x W x D)</b>	7 7/8" x 1 7/16" x 7/8" 200 x 36 x 22.2 mm	9 13/16" x 1 3/4" x 1" 250 x 44 x 26 mm	10 7/16" x 1 15/16" x 1 1/8" 265 x 49 x 29 mm	10 1/2" x 2 11/16" x 1 9/16" 267 x 68 x 40 mm	19 11/16" x 1 3/4" x 1" 500 x 44 x 26 mm	20 7/8" x 1 15/16" x 1 1/8" 530 x 49 x 29 mm	21" x 2 11/16" x 1 9/16" 534 x 68 x 40 mm
<b>Finish</b>	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)
<b>Optional Features</b>	M	M, TD, DS	M, TD, DS, LD, BZ	M, TD, DS, LD, BZ	M, TD, DS	M, TD, BZ	M, TD, DS, BZ
<b>Certifications</b>	NF S 61-937	UL 10B, UL 10C, ULC S104, NF S 61-937	UL 10B, UL 10C, ULC S104, NF S 61-937	UL 10B, UL 10C, ULC S104, NF S 61-937	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104

**M:** Bond sensor & Bi-color status LED indicator **DS:** Door status sensor

**TD:** Relock time delay **BZ:** Door held open alarm **LD:** Large LED & Reset input

# ELECTROMAGNETIC LOCKS

## Indoor NH Series

### Slide-in Mounting Plate Design

	EM-NH300	EM-NH350	EM-NH500	EM-NH2300	EM-NH2350	EM-NH2500
<b>Model</b>						
<b>Voltage</b>	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable
<b>Current Draw</b>	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC
<b>Holding Force (LB)</b>	600	800	1200	600 x2	800 x2	1200 x2
<b>Dimensions (L x W x D)</b>	9 13/16" x 1 13/16" x 1" 250 x 45.5 x 25 mm	10 7/16" x 2 1/16" x 1 1/8" 265 x 52 x 29 mm	10 1/2" x 2 13/16" x 1 9/16" 267 x 71 x 40 mm	19 11/16" x 1 13/16" x 1" 500 x 45.5 x 25 mm	20 7/8" x 2 1/16" x 1 1/8" 530 x 52 x 29 mm	21" x 2 13/16" x 1 9/16" 533 x 71 x 40 mm
<b>Finish</b>	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)
<b>Optional Features</b>	M, DS, TD	M, DS	M, DS, TD, BZ	M, DS, TD	M, DS, TD	M, DS, TD, BZ
<b>UL Certifications</b>	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104

**M:** Bond sensor & Bi-color status LED indicator **DS:** Door status sensor **TD:** Relock time delay **BZ:** Door held open alarm



# ELECTROMAGNETIC LOCKS

## Indoor PH Series




### Magnetic Lock with Pull Handle

	PH-450	PH-500	PH-750	PH-760	PH-900
<b>Model</b>					
<b>Voltage</b>	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable		12/24 VDC Field selectable
<b>Current Draw</b>	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC		500 mA/12 VDC 250 mA/24 VDC
<b>Holding Force (LB)</b>	600	600	600 x2		600 x2
<b>Dimensions (L x W x D)</b>	4 7/8" x 1 7/8" x 1 1/8" 324 x 48 x 29 mm	4 7/8" x 1 7/8" x 1 1/8" 324 x 48 x 29 mm	4 7/8" x 1 7/8" x 1 1/8" 734 x 29 x 29 mm		97 13/16" x 1 7/8" x 1 1/8" 2484 x 48 x 29 mm
<b>Finish</b>	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)		Aluminum anodized (US28)
<b>Optional Features</b>	M, DS, TD	M, TD, Bi-color LED	M, DS, TD, Bi-color LED (PH-750 Only)		M, DS, TD
<b>Exit Button</b>	No	Yes	Yes	No	No

**M:** Bond sensor **TD:** Relock time delay **DS:** Door status sensor

# ELECTROMAGNETIC LOCKS

## Indoor FDH Series




Full Length Housing							
	FDH-M39M	FDH-M45M	FDH-L45M	FDH-M90M	FDH-L90M	FDH-M96M	FDH-L96M
Door Type	Single Door			Double Door		Single Door (For high ceiling door application)	
							
Voltage	12/24 VDC Field selectable			12/24 VDC Field selectable		12/24 VDC Field selectable	
Current Draw	500 mA/12 VDC 250 mA/24 VDC			500 mA/12 VDC 250 mA/24 VDC		500 mA/12 VDC 250 mA/24 VDC	
Holding Force (LB)	800		1200	800 x2		1200 x2	
Full Length	38 3/8" 1000 mm	45" 1143mm	45" 1143mm	90" 2286mm		96" 2438mm	
Finish	Aluminum anodized (US28)			Aluminum anodized (US28)		Aluminum anodized (US28)	
Configuration	Horizontal			Double Horizontal		Vertical	
Bond Sensor	Yes			Yes		Yes	
Optional Features	DS, TD, DT, DT-LD			DS, TD, DT, DT-LD		DS, TD, DT, DT-LD	

DS: Door status sensor TD: Relock time delay DT: Door status sensor & Relock time delay DT-LD: Door status sensor & Relock time delay & LED indication

\*Models with suffix M in the model number include a bond sensor.

# ELECTROMAGNETIC LOCKS

## Mortise Series

Concealed Magnetic Locks for Sliding Doors			
	10003M	10000	10000ST
Model			
Voltage	12VDC, 24 VDC	12/24 VDC Field selectable	12/24 VDC Field selectable
Current Draw	300 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC
Holding Force (LB)	300	600	600
Dimensions (L x W x D)	7 7/8" x 1 1/4" x 15/16" 200 x 32 x 24 mm	9 1/16" x 1 1/2" x 1 1/16" 230 x 38 x 27 mm	8 15/16" x 1 1/2" x 1" 227 x 38 x 26 mm
Finish	Brushed stainless steel (US32D)	Aluminum anodized (US28)	Brushed stainless steel (US32D)
Bond Sensor Model	<b>10003M-R</b> Output NO/COM	<b>10000R</b> Output NO/COM/NC	<b>10000STR</b> Output NO/COM/NC
Optional Armature Bracket	No	<b>AMB-300</b>	<b>AMB-300</b>

# ELECTROMAGNETIC LOCKS

## Weatherproof Series (Face Mount)

For Indoor/Outdoor Security

	GL-80F	10003F	GL600-F
Model			
Voltage	12 VDC, 24 VDC Dual 12/24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC Dual 12/24 VDC
Current Draw	120mA/12VDC 60mA/24VDC	300 mA/12 VDC 260 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC
Holding Force (LB)	80	300	600
Dimensions (L x W x D)	2 3/4" x 1 1/2" x 1" 70 x 38 x 26 mm	6 11/16" x 1 1/4" x 15/16" 170 x 32 x 23.7 mm	8" x 1 11/16" x 1 9/16" 203 x 43.5 x 40 mm
Finish	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Optional Features	R	R	M
UL Certifications	—	—	UL 10B, UL 10C, ULC S104

\* **M**: Bond sensor (Output NO/COM/NC), **R**: Bond sensor (Output NO/COM).

# ELECTROMAGNETIC LOCKS

## Weatherproof Series (Face Mount)

For Indoor/Outdoor Security			
	GL850	GL-1200F	GL-1800F-IOTB
Model			
Voltage	12 VDC, 24 VDC Dual 12/24 VDC	12 VDC, 24 VDC Dual 12/24 VDC	Dual 12/24 VDC
Current Draw	500 mA/12 VDC 250 mA/24 VDC (For dual voltage )	500 mA/12 VDC 250 mA/24 VDC (For dual voltage)	500 mA/12 VDC 250 mA/24 VDC
Holding Force (LB)	800	1200	1800
Dimensions (L x W x D)	9 1/8"x 1 3/4"x 1 3/16" 232 x 45 x 30 mm	8"x 2 1/2"x 1 5/8"D 203 x 63 x 41 mm	11 3/16"x 2 13/16"x 1 7/8" 284 x 72 x 47.5 mm
Finish	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Optional Features	M	—	—
Certifications	—	IPX7 UL 10B, UL 10C, ULC S104	—

\* M: Bond sensor (Output NO/COM/NC). Model GL-1800FM-IOTB-12 has a 12 VDC input and also includes a bond sensor.

# ELECTROMAGNETIC LOCKS

## Weatherproof Series (Surface Mount)

For Indoor/Outdoor Security					
	10003S	10006S	N10001ST	10010ST	N10010ST
Model					
Voltage	12 VDC, 24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC
Current Draw	300 mA/12 VDC 260 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC (For dual voltage)	500 mA/12 VDC 250 mA/24 VDC (For dual voltage)	500 mA/12 VDC 250 mA/24 VDC (For dual voltage)	500 mA/12 VDC 250 mA/24 VDC (For dual voltage)
Holding Force (LB)	300	800	600	1200	1200
Dimensions (L x W x D)	6 11/16" x 1 1/4" x 15/16" 170 x 32 x 23.7 mm	8 1/2" x 2 1/16" x 1 1/4" 216 x 53 x 32 mm	8 9/16" x 1 3/4" x 1 1/16" 218 x 44 x 27.5 mm	8 11/16" x 2 11/16" x 1 5/8" 220 x 68 x 42 mm	8 11/16" x 2 7/16" x 1 9/16" 220 x 62 x 40.5 mm
Finish	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Optional Features	R, DS	M	M	—	M
UL Certifications	—	—	UL 10B, UL 10C, ULC S104	—	UL 10B, UL 10C, ULC S104

\* M: Bond sensor (Output NO/COM/NC)



# ELECTROMAGNETIC LOCKS

## Weatherproof Series (Surface Mount)

For Indoor/Outdoor Security			
	GL600-S	GL-1200S	GL-1800S
Model			
Voltage	12 VDC, 24 VDC, Dual 12/24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC	Dual 12/24 VDC
Current Draw	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC (For dual voltage)	500 mA/12 VDC 250 mA/24 VDC
Holding Force (LB)	600	1200	1800
Dimensions (L x W x D)	8" x 1 11/16" x 1 6/16" 203 x 43.5 x 40 mm	8 11/16" x 2 11/16" x 1 5/8" 220 x 68 x 42 mm	11 3/16" x 2 3/4" x 1 7/8" 284 x 70 x 47.5 mm
Finish	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Optional Features	—	M	M
UL Certifications	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104	—

\* **M**: Bond sensor (Output NO/COM/NC), **R**: Bond sensor (Output NO/COM), **DS**: Door status sensor.

# ELECTROMAGNETIC LOCKS

## Weatherproof Series (Surface/Face Mount)

For Indoor/Outdoor Security			
	EM-750-2	GL600-FS-IOTB	GL1200-FS-IOTB
Model			
Voltage	12 VDC, 24 VDC, Dual 12/24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC
Current Draw	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC
Holding Force (LB)	800	600	1200
Dimensions (L x W x D)	9 1/16" x 1 13/16" x 1 3/16" 230 x 46 x 30 mm	8" x 1 11/16" x 1 9/16" 203 x 43.5 x 40 mm	8 11/16" x 2 7/16" x 1 9/16" 220 x 62 x 40.5 mm
Finish	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Optional Features	—	M	M
UL Certifications	—	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104

\* M: Bond sensor (Output NO/COM/NC)

NEW	
	ADL-850
Model	
Length of Conduit/ Case Dimensions	33 7/16" (850mm)
Conduit Construction	Stainless steel
Inside	5/16" (8mm)
Outside	1/2" (12mm)
Description	<ul style="list-style-type: none"> <li>• Armoured flex conduit</li> <li>• Aluminum end boxes with removable covers</li> <li>• Silver finish</li> </ul>

## L-BRACKETS

## L-Brackets (For Narrow Frames / Outswing Doors)

	For 300LB Lock				For 600LB Lock			
<b>Bracket Model</b>	<b>L-150</b> 	<b>L-GEM-300</b> 	<b>L-GL600-AL</b> 	<b>L-N10001ST</b> 	<b>L-GEM-600</b> 	<b>L-NH300</b> 	<b>L-300</b> 	
<b>Compatible Lock</b>	10003S	GEM-300	GL600-S	N10001ST	GEM-600	EM-NH300	10001/10002	
	For 800LB Lock				For 1200LB Lock			
<b>Bracket Model</b>	<b>L-400</b> 	<b>L-750</b> 	<b>L-GEM-800</b> 	<b>L-NH350M</b> 	<b>L-GEM-1200</b> 	<b>L-NH500</b> 	<b>L-500</b> 	
<b>Compatible Lock</b>	10006S	EM-750	GEM-800	EM-NH350	GEM-1200	EM-NH500	10020-254	
	For 1200LB Lock					For 1800LB Lock		
<b>Bracket Model</b>	<b>L-600</b> 	<b>L-1200</b> 	<b>L-N10010ST</b> 	<b>L-GL1200FS-IOTB</b> 	<b>L-GL1800</b> 			
<b>Compatible Lock</b>	10010ST, GL-1200	GL-1200F	N10010ST	GL-1200FS-IOTB	GL-1800S			

# L-BRACKETS & SPECIAL L-BRACKETS

## L-Brackets (For Narrow Frames / Outswing Doors)

	For 600LB Lock (Double)		For 800LB Lock (Double)		For 1200LB Lock (Double)	
<b>Bracket Model</b>	L-GEM-D600	L-NH2300	L-GEM-D800	L-NH2350M	L-GEM-D1200	L-NH2500
<b>Compatible Lock</b>	GEM-D600	EM-NH2300	GEM-D800	EM-NH2350	GEM-D1200	EM-NH2500

## Special L-Brackets (For Narrow Frames / Outswing Doors)

















	For 600LB Lock				For 600LB Lock (Double)	
<b>Bracket Model</b>	L-GL600	L-GEM-600AU	L-NH300AU	EM-10001L	L-GEM-D600AU	
<b>Compatible Lock</b>	GL600-S, GL600-FS-IOTB	GEM-600	EM-NH300	10001/10002	GEM-D600	
	For 800LB Lock		For 800LB Lock (Double)	For 1200LB Lock		For 1200LB Lock (Double)
<b>Bracket Model</b>	L-GEM-800AU	L-NH350AU	L-GEM-D800AU	L-GEM-1200AU	L-NH500AU	L-GEM-D1200AU
<b>Compatible Lock</b>	GEM-800	EM-NH350	GEM-D800	GEM-1200	EM-NH500	GEM-D1200

## LZ-BRACKETS

## LZ-Brackets (For Inswing Doors)












	For 300LB Lock				For 600LB Lock			
<b>Bracket Model</b>	<b>LZ-150</b>	<b>LZ-GEM-300</b>	<b>LZ-GL600</b>	<b>LZ-N10001ST</b>	<b>LZ-GEM-600</b>	<b>LZ-NH300N</b>	<b>LZ-300N</b>	
<b>Compatible Lock</b>	10003S	GEM-300	GL600-S	N10001ST	GEM-600	EM-NH300	10001/10002	
	<b>For 800LB Lock</b>				<b>For 1200LB Lock</b>			
<b>Bracket Model</b>	<b>LZ-400N</b>	<b>LZ-750</b>	<b>LZ-GEM-800</b>	<b>LZ-NH350N</b>	<b>LZ-GEM-1200</b>	<b>LZ-NH500N</b>	<b>LZ-500N</b>	
<b>Compatible Lock</b>	10006S	EM-750	GEM-800	EM-NH350	GEM-1200	EM-NH500	10020-254	
	<b>For 1200LB Lock</b>					<b>For 1800LB Lock</b>		
<b>Bracket Model</b>	<b>LZ-600N</b>		<b>LZ-N10010ST</b>		<b>LZ-GL1200FS-IOTB</b>		<b>LZ-GL1800</b>	
<b>Compatible Lock</b>	10010ST, GL-1200S		N10010ST		GL-1200FS-IOTB		GL-1800S	

# LZ-BRACKETS & SPECIAL LZ-BRACKETS

LZ-Brackets (For Inswing Doors)						
	For 600LB Lock (Double)		For 800LB Lock (Double)		For 1200LB Lock (Double)	
Bracket Model	LZ-GEM-D600	LZ-NH2300N	LZ-GEM-D800	LZ-NH2350N	LZ-GEM-D1200	LZ-NH2500N
						
Compatible Lock	GEM-D600	EM-NH2300	GEM-D800	EM-NH2350	GEM-D1200	EM-NH2500
Special LZ-Brackets (For Inswing Doors)						
	For 600LB Lock			For 600LB Lock (Double)		
Bracket Model	LZ-GEM-600AU	LZ-NH300NAU	EM-10001LZ	LZ-GEM-D600AU	LZ-NH2300NAU	
						
Compatible Lock	GEM-600	EM-NH300	10001/10002	GEM-D600	EN-NH2300	
	For 800LB Lock	For 800LB Lock (Double)	For 1200LB Lock		For 1200LB Lock (Double)	
Bracket Model	LZ-GEM-800AU	LZ-GEM-D800AU	LZ-GEM-1200AU	LZ-NH500NAU	LZ-GEM-D1200AU	
						
Compatible Lock	GEM-800	GEM-D800	GEM-1200	EM-NH500	GEM-D1200	



# Z-BRACKETS & U-BRACKETS

Z-Brackets (For Inswing Doors)							
	For 300LB Lock	For 600LB Lock		For 800LB Lock		For 1200LB Lock	
	<b>Z-150</b>	<b>Z-GL600</b>	<b>Z-GEM-600</b>	<b>Z-GL600</b>	<b>Z-300N</b>	<b>Z-GEM-800</b>	<b>Z-500N</b>
<b>Bracket Model</b>							
<b>Compatible Lock</b>	10003F	GL600-F	GEM-600	GL-600F, GL600-FS-IOTB	GL850	GEM-800	GL-1200F, GL-1200F-IOTB
U-Brackets (For Full Glass Doors)							
	For 300LB Lock		For 600LB Lock			For 600/800LB Lock	
	<b>GLZ-150-10</b>	<b>GLZ-150-12</b>	<b>UBK-600G-Z</b>	<b>UBK-600N-Z</b>	<b>UBK-600-Z</b>	<b>UBK-013</b>	<b>UBK-013DS</b>
<b>Bracket Model</b>							
<b>Compatible Lock</b>	10003F, 10003S	10003F, 10003S	GEM-600	EM-NH300	10001	600 or 800LB lock except GL600-F & GL850	600LB lock with DS option
U-Brackets (For Frameless Glass Doors & Walls)							
For 600LB Lock							
	<b>UBK-600G-L</b>	<b>UBK-600G-LZ</b>	<b>UBK-600N-L</b>	<b>UBK-600N-LZ</b>	<b>UBK-600-L</b>	<b>UBK-600-LZ</b>	
<b>Bracket Model</b>							
<b>Compatible Lock</b>	GEM-600	GEM-600	EM-NH300	EM-NH300	10001	10001	

# ARMATURE MOUNTING ACCESSORIES

Armature Housing					
	GE-320S-DS	GE-320M-DS	GE-320L-DS	GE-330S-DS	GE-330L-DS
<b>Model</b>					
<b>Compatible Lock</b>	600LB lock with DS option	800LB lock with DS option	1200LB lock with DS option	600LB lock with DS option	1200LB lock with DS option
<b>Dimensions (mm)</b>	214 x 44 x 16	214 x 51 x 18	214 x 67 x 20	214 x 54.5 x 15	214 x 76.5 x 15
<b>Finish</b>	Plastic ABS	Plastic ABS	Plastic ABS	Aluminum alloy	Aluminum alloy
<b>Door Type</b>	Wooden, Hollow metal	Wooden, Hollow metal	Wooden, Hollow metal	Wooden, Hollow metal	Wooden, Hollow metal

	Armature Spacer		Armature Bracket	Safety Strap Kit		
	300BP	500BP	TB-400	300AP-SSK	500AP-SSK	SSK-1
<b>Model</b>				 <b>NEW</b>	 <b>NEW</b>	 <b>NEW</b>
<b>Compatible Lock</b>	600LB lock	1200LB lock	600 or 800LB lock	600LB lock	1200LB lock	—
<b>Dimensions (mm)</b>	185.5 x 38.5 x 6.5	191 x 63.5 x 9.5	190 x 53 x 36	185 x 38 x 12	185 x 61 x 16	150
<b>Finish</b>	Aluminum, Silver	Aluminum, Silver	Aluminum, Silver	Steel Cable		
<b>Door Type</b>	Wooden, Thick	Wooden, Thick	Sliding (For special application)	Wooden, Hollow metal		



*GIANNI INDUSTRIES, INC.*

# ***ELECTRIC STRIKES***

# ELECTRIC STRIKES

## For European style cylindrical lever

ELECTRIC STRIKES

Fail-Secure Preload					
	GK140	GK145	GK231	GK233	GK236
Model					
Voltage	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC
Latch Throw	15 mm	11 mm	15 mm	11 mm	11 mm
Mode	Fail-Secure	Fail-Secure	Fail-Safe	Fail-Safe	Fail-Safe
Preload Capability	200 lbs (91 kg)	200 lbs (91kg)	500 lbs (227 kg)	500 lbs (227 kg)	500 lbs (227 kg)
Static Strength	1,200 lbs (544 kg)	1,000 lbs (454 kg)	1,500 lbs (680 kg)	1,500 lbs (680 kg)	1,500 lbs (680 kg)
Adjustable Keeper	No	Yes	No	Yes	Yes
Monitoring	<b>GK140M</b> (Door status /Latch monitor)	<b>GK145M</b> (Door status/Latch monitor)	<b>GK231M</b> (Lock status, Door status)	<b>GK233M</b> (Lock status, Door status)	<b>GK236M</b> (Lock status)
Locksets	Cylindrical knob/lever European latch	Cylindrical knob/lever European latch	Cylindrical knob/lever European latch	Cylindrical knob/lever European latch	Cylindrical knob/lever European latch
Handing	Left (L) or Right (R)	Left (L) or Right (R)	Left (L) or Right (R)	Left (L) or Right (R)	Left (L) or Right (R)
Construction	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Fire Resistance Testing	BSEN 1634-1: 2014	BSEN 1634-1: 2014	BSEN 1634-1: 2014 & BSEN 1363-1: 2012 NF S 61-937	NF S 61-937	—
Faceplate Options	Round/Square corner	Round/Square corner	Round/Square corner	Round/Square corner	Round/Square corner W/ Wo deadbolt

# ELECTRIC STRIKES






## GK300 Series

ANSI Strikes for Residential and Business				
	GK300	GK301	GK310	GK311
Model				
Voltage	12 VDC, 24VDC, Dual 12/24 VDC	12 VDC, 24VDC, Dual 12/24 VDC	12 VDC, 24VDC, Dual 12/24 VDC	12 VDC, 24VDC, Dual 12/24 VDC
Latch Throw	9/16" (15 mm)	9/16" (15 mm)	9/16" (15 mm)	9/16" (15 mm)
Mode	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure
Static Strength	1,000 lbs (454 kg)	1,000 lbs (454 kg)	1,000 lbs (454 kg)	1,000 lbs (454 kg)
Dynamic Strength	50 ft-lbs	50 ft-lbs	50 ft-lbs	50 ft-lbs
Endurance (Cycles)	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million
Locksets	Cylindrical	Cylindrical	Cylindrical Mortise deadlatch	Cylindrical Mortise deadlatch
Finish	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Construction	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy
Frame	Hollow metal	Wood	Hollow metal	Wood
UL Certification	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294
Optional Models	GK300M, GK300-ST, GK-300M-ST	GK301M, GK301-ST, GK301M-ST	GK310M, GK310-ST, GK310M-ST	GK311M, GK311-ST, GK311M-ST

\* "M" suffix in the model number indicates latch status monitoring. "ST" suffix in the model number indicates stainless steel construction.

# ELECTRIC STRIKES

## GK200 Series

	ANSI Strikes for Residential and Business			For Gate Application	
Model	GK320	GK321	GK350	GK200	GK250
<b>Model</b>					
<b>Voltage</b>	12 VDC, 24VDC, Dual 12/24 VDC		12 VDC, 24VDC, Dual 12/24 VDC	8-16 VAC or 3-6 VDC, 12/24 VAC/VDC	8-16 VAC or 3-6 VDC, 12/24 VAC/VDC
<b>Latch Throw</b>	3/4" (19 mm)		9/16" (15 mm)	9/16" (15 mm)	1/2" (13mm)
<b>Mode</b>	Reversible Fail-Safe/Fail-Secure		Reversible Fail-Safe/Fail-Secure	Fail-Secure	Fail-Secure
<b>Static Strength</b>	1,000 lbs (454 kg)		1,200 lbs (544 kg)	1,000 lbs (454 kg)	1,000 lbs (454 kg)
<b>Dynamic Strength</b>	50 ft-lbs		—	—	—
<b>Endurance (Cycles)</b>	UL test : 250,000 Factory test : 1 million		Factory test : 1 million	Factory test: 250,000+	
<b>Locksets</b>	Cylindrical Mortise/ Mortise deadlatch		Night Latch (Rim Lockset)	Gate locks	
<b>Finish</b>	Brushed stainless steel (US32D)		Brushed stainless steel (US32D)	Silver, Brass	Brushed stainless steel
<b>Construction</b>	Zinc alloy		Aluminum alloy	One piece cast zinc alloy body	Stainless steel faceplate assembled with zinc alloy body
<b>Frame</b>	Hollow metal	Wood	Hollow metal Wood	Gate	Gate
<b>Optional Models</b>	GK320M	GK321M	GK350M	—	<b>GK255</b> (Fail-Safe)
<b>Faceplate Options</b>	—	—	—	—	A. 4 7/8" x 1 1/4" (ANSI size) B. 3 1/8" x 1 1/8"



\* "M" suffix in the model number indicates latch status monitoring. "ST" suffix in the model number indicates stainless steel construction.



# ELECTRIC STRIKES

## GK300 Series

### ANSI Strikes for Residential and Business

	GK360	GK361	GK370
<b>Model</b>			
<b>Voltage</b>	Dual 12/24 VDC	Dual 12/24 VDC	Dual 12/24 VDC
<b>Latch Throw</b>	3/4" (19 mm)	3/4" (19 mm)	9/16"(15mm)
<b>Mode</b>	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure
<b>Static Strength</b>	2,000 lbs (907 kg)	2,000 lbs (907 kg)	1,500 lbs (680 kg)
<b>Dynamic Strength</b>	70 ft-lbs	70 ft-lbs	70 ft-lbs
<b>Endurance (Cycles)</b>	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million
<b>Locksets</b>	Cylindrical Mortise deadlatch	Cylindrical Mortise deadlatch	Cylindrical (features horizontal faceplate adjustment)
<b>Finish</b>	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
<b>Construction</b>	Zinc Alloy	Zinc Alloy	Zinc Alloy
<b>Frame</b>	Hollow metal	Wood	Hollow metal
<b>UL Certification</b>	UL 10B/10C, UL 1034, UL 294	UL 10B/10C, UL 1034, UL 294	—
<b>Optional Models</b>	GK360-ST, GK360M, GK360M-ST	GK361M, GK361M-ST	GK370M, GK370-ST, GK371M, GK371M-ST

\* "M" suffix in the model number indicates latch status monitoring. "ST" suffix in the model number indicates stainless steel construction.

# ELECTRIC STRIKES

## GK400 Series

### ANSI Strikes for Residential and Business

	GK450	GK451	GK480	GK481	GK460	GK461
<b>Model</b>						
<b>Voltage</b>	Dual 12/24 VDC	Dual 12/24 VDC	Dual 12/24 VDC	Dual 12/24 VDC	Dual 12/24 VDC	Dual 12/24 VDC
<b>Latch Throw</b>	9/16" (15 mm)	9/16" (15 mm)	3/4" (19mm)	3/4" (19mm)	9/16" (15mm)	9/16" (15mm)
<b>Mode</b>	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure
<b>Static Strength</b>	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)
<b>Dynamic Strength</b>	70 ft-lbs	70 ft-lbs	70 ft-lbs	70 ft-lbs	70 ft-lbs	70 ft-lbs
<b>Endurance (Cycles)</b>	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million
<b>Locksets</b>	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Cylindrical
<b>Finish</b>	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
<b>Construction</b>	Zinc alloy Stainless steel	Zinc alloy Stainless steel	Zinc alloy Stainless steel	Zinc alloy Stainless steel	Zinc alloy	Zinc alloy
<b>Frame</b>	Hollow metal	Wood	Hollow metal	Wood	Hollow metal	Wood
<b>UL Certification</b>	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294
<b>Optional Models</b>	GK450M, GK450-ST GK450M-ST	GK451M, GK451-ST, GK451M-ST	GK480M, GK480-ST, GK480M-ST	GK481M, GK481-ST, GK481M-ST	GK460M	GK461M

\* "M" suffix in the model number indicates latch status monitoring. "ST" suffix in the model number indicates stainless steel construction.

# ELECTRIC STRIKES

## GK500 Series (European)

### Electric Strike Body Only (Strike with Hold-Open Function)







	GK500	GK510	GK515	GK525	GK545
<b>Model</b>					
<b>Voltage</b>	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC
<b>Latch Throw (mm)</b>	9	9	9	9	13
<b>Mode</b>	Fail-Safe	Fail-Secure	Fail-Secure	Fail-Secure	Fail-Secure
<b>Static Strength</b>	800 lbs (363 kg)	800 lbs (363 kg)	800 lbs (363 kg)	800 lbs (363 kg)	1,000 lbs (454 kg)
<b>Endurance (Cycles)</b>	1 million	1 million	1 million	1 million	1 million
<b>Lockset</b>	Night latch, Mortise, Cylindrical	Night latch, Mortise, Cylindrical	Night latch, Mortise, Cylindrical	Night latch, Mortise, Cylindrical	Night latch, Mortise, Cylindrical
<b>Adjustable Keeper</b>	Yes	Yes	Yes	Yes	No
<b>Hold-Open Function</b>	No	No	Internal hold-open	Internal hold-open Release lever for mechanical unlocking	Internal hold-open
<b>Faceplate Finish</b>	Brushed stainless steel, Grey powder coat	Brushed stainless steel, Grey powder coat	Brushed stainless steel, Grey powder coat	Brushed stainless steel, Grey powder coat	Brushed stainless steel, Grey powder coat
<b>Construction</b>	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy
<b>Optional Models</b>	<b>GK500M</b> (Latch monitored)	<b>GK510M</b> (Latch monitored)	<b>GK515M</b> (Latch monitored)	<b>GK520</b> (Release lever, No internal hold-open function)	<b>GK530</b> (No hold-open function), <b>GK530</b> (Fail-Safe, No hold-open function)
<b>Faceplate Options</b>	FP-GK160, FP-GK250, FP-GK106, FP-GK110	FP-GK160, FP-GK250, FP-GK106, FP-GK110	FP-GK160, FP-GK250, FP-GK106, FP-GK110	FP-GK160, FP-GK106	FP-GK160, FP-GK250, FP-GK106, FP-GK110

"M" suffix in the model number indicates latch status monitoring. Faceplate Dimensions: FP-GK160 (160 x 25.4mm); FP-GK250 (250 x 25mm); FP-GK106 (106 x 50.2mm); FP-GK110 (110 x 24mm)

# ELECTRIC STRIKES

## GK500 Series (ANSI)

### Centerline/Offset Strikes for Cylindrical Locksets

Model	For Offset Latch Entry				For Centerline Latch Entry	
	GK505	GK506	GK570	GK571	GK507	GK508
						
<b>Voltage</b>	8-16 VAC, 12 VDC, 24 VDC	12 or 24 VDC	12 or 24 VDC	8-16 VAC, 12 VDC, 24 VDC	8-16 VAC, 12 VDC, 24 VDC	12 or 24 VDC
<b>Latch Throw (mm)</b>	11/16" (16.8mm)	11/16" (16.8mm)	3/8" (9mm)	3/8" (9mm)	11/16" (16.8 mm)	11/16" (16.8 mm)
<b>Mode</b>	Fail-Secure	Fail-Safe	Fail-Safe	Fail-Secure	Fail-Secure	Fail-Safe
<b>Static Strength</b>	800 lbs (363 Kg)	800 lbs (363 Kg)	800 lbs (363 Kg)	800 lbs (363 Kg)	800 lbs (363 Kg)	800 lbs (363 Kg)
<b>Endurance (Cycles)</b>	1 million	1 million	1 million	1 million	1 million	1 million
<b>Lockset</b>	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Cylindrical
<b>Adjustable Keeper</b>	No	No	No	No	No	No
<b>Hold-Open Function</b>	No	No	No	No	No	No
<b>Finish</b>	Satin chrome (US26D)	Satin chrome (US26D)	Satin chrome (US26D)	Satin chrome (US26D)	Satin chrome (US26D)	Satin chrome (US26D)
<b>Construction</b>	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy

\*GK580-001/002/101/102 includes optional latch monitor.

# ELECTRIC STRIKES

## GK500 Series (ANSI)

### Centerline/Offset Strikes for Cylindrical Locksets

Model	For Centerline Latch Entry						
	GK550-001/002	GK550-151/152	GK555-001/002	GK555-101/102	GK580-001/002	GK580-151/152	GK590
							
<b>Voltage</b>	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	8-16 VAC, 12 VDC, 24 VDC
<b>Latch Throw (mm)</b>	1/2" (12 mm)	1/2" (12 mm)	1/2" (12 mm)	1/2" (12 mm)	5/8" (16 mm)	5/8" (16 mm)	5/8" (16 mm)
<b>Mode</b>	Fail-Safe	Fail-Secure	Fail-Safe	Fail-Secure	Fail-Safe	Fail-Secure	Fail-Secure
<b>Static Strength</b>	800 lbs (363 Kg)	800 lbs (363 Kg)	800 lbs (363 Kg)	800 lbs (363 Kg)	800 lbs (363 Kg)	800 lbs (363 Kg)	800 lbs (363 Kg)
<b>Endurance (Cycles)</b>	1 million	1 million	1 million	1 million	1 million	1 million	1 million
<b>Lockset</b>	Cylindrical Mortise	Cylindrical Mortise	Cylindrical	Cylindrical	Cylindrical Mortise	Cylindrical Mortise	Cylindrical Mortise deadlatch
<b>Adjustable Keeper</b>	Yes	Yes	No	No	Yes	Yes	No
<b>Hold-Open Function</b>	No	Yes	No	No	No	Yes	No
<b>Finish</b>	Silver	Silver	Silver	Silver	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
<b>Construction</b>	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy
<b>Optional Models</b>	—	—	—	—	Latch Monitor <b>GK580M-001/002</b>	Latch Monitor <b>GK580M-151/152</b>	—

\*GK580-001/002/101/102 includes optional latch monitor.

# ELECTRIC STRIKES

## GK600/700/800 Series


### Durable Strikes for Residential and Business

	GK600	GK750N	GK760	GK770	GK800	GK850	GK880
<b>Model</b>							
<b>Voltage</b>	12 VDC	12 to 28 VDC/AC	12 to 28 VDC/AC	12 to 28 VDC/AC	Dual 12/24 VDC	Dual 12/24 VDC	Dual 12/24 VDC
<b>Latch Throw (mm)</b>	10	18	18	18	12	15	19
<b>Mode</b>	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure
<b>Static Strength</b>	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)	800 lbs (363 kg)	800 lbs (363 kg)	800 lbs (363 kg)
<b>Endurance (Cycles)</b>	1 million	1 million	1 million	1 million	1 million	1 million	1 million
<b>Latch Monitor</b>	No	Yes	Yes	No	Yes	Yes	Yes
<b>Locksets</b>	European latch	Cylindrical European latch	Cylindrical European latch	Cylindrical European latch	Cylindrical European latch	Cylindrical	Cylindrical
<b>Finish</b>	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
<b>Construction</b>	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy
<b>Optional Models</b>	—	—	—	—	European mortise profile <b>GK810</b>	—	—

# ELECTRIC STRIKES

## GK1100/1200 Series

Surface Mount Electric Rim Strikes			
	GK1100	GK1276	GK1296
Model			
Voltage	12 to 28 VAC/DC	Field selectable 12/24 VDC	Field selectable 12/24 VDC
Latch Throw	11/16" (17mm)	3/4" (19mm)	1/2" (13mm)
Mode	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure
Static Strength	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)
Dynamic Strength	—	70 ft-lbs	70 ft-lbs
Endurance (Cycles)	Factory test: 1 million	UL test : 250,000, Factory test : 1 million	UL test : 250,000, Factory test : 1 million
Monitoring	Latch status , Lock status <b>GK1150</b> (Non-monitored)	<b>GK1276M</b> (Latch status)	<b>GK1296M</b> (Latch status)
Locksets	Rim exit device	Pullman latch rim exit device	Pullman latch rim exit device
Finish	Black	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Housing Thickness	13/16" (20mm)	3/4" (19mm)	1/2" (13mm)
Horizontal Adjustment	Yes	Yes	Yes
UL Certification	—	UL 1034, UL 294, UL 10B/10C	UL 1034, UL 294

Surface Mount Box	
Model	 <b>NEW</b> SMB-GK1276
Compatible Lock	GK1276 & GK1296
Dimensions (mm)	228.5 L x 48.2 W x 42.2 D
Finish	Aluminum

ELECTRIC STRIKES





# ELECTRIC STRIKES

## GK1300/1480/1700 Series

	All in One Kit Solution	Glass Door Strike	Compact Strike	Hook Lock
<b>Model</b>	<b>GK1300</b> 	<b>GK1480</b> 	<b>GK1700-01</b> 	<b>GK1900</b> 
<b>Description</b>	Strike body with faceplate option kit Versatile adjustments	For 3/8" (10 mm) or 1/2" (12mm) full glass doors Horizontal faceplate adjustment	For any type of door frame Ideal for tight or difficult installation	For hook locks
<b>Voltage</b>	12 VDC, 24 VDC, Dual 12/24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC, 3 to 6 VDC or 8 to 16 VAC	Dual 12/24 VDC
<b>Latch Throw</b>	1" (25mm)	—	1/2" (13mm)	5/8" (16mm)
<b>Mode</b>	Reversible Fail-Safe/Fail-Secure	Fail-Safe	Fail-Secure	Fail-Secure
<b>Static Strength</b>	1,000 lbs (454kg) <b>GK1350</b> 1,500 lb (680kg)	—	1,000 lbs (454kg)	700 lbs (318kg)
<b>Endurance (Cycles)</b>	UL test : 250,000 Factory test : 1 million	—	Factory test : 250,000	Factory test : 250,000
<b>Locksets</b>	Cylindrical, Mortise	—	Cylindrical	<b>HK1900</b> (mechanical hook lock)
<b>Monitoring</b>	<b>GK1300M</b> (plug-in latch monitor)	—	—	<b>GK1900M</b> (latch monitor)
<b>Finish</b>	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
<b>Construction</b>	Stainless steel <b>GK1350</b> (zinc alloy/stainless steel)	Zinc alloy	Zinc alloy	Zinc alloy
<b>UL Certification</b>	GK1300 (UL 1034, UL 294) GK1350(M)-ST (UL 10C)	—	—	—
<b>Optional Models</b>	<b>GK1350/GK1350M</b>	GK1481 (Fail-Secure)	GK1700-02 (Silver finish) GK1700-03 (US40/Dark Bronze finish)	—

# ELECTRIC STRIKES

## GK1300/1480/1700 Series

	All in One Kit Solution	Glass Door Strike	Compact Strike	Hook Lock
<b>Model</b>	<b>GK1300</b> 	<b>GK1480</b> 	<b>GK1700-01</b> 	<b>GK1900</b> 
<b>Description</b>	Strike body with faceplate option kit Versatile adjustments	For 3/8" (10 mm) or 1/2" (12mm) full glass doors Horizontal faceplate adjustment	For any type of door frame Ideal for tight or difficult installation	For hook locks
<b>Voltage</b>	12 VDC, 24 VDC, Dual 12/24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC, 3 to 6 VDC or 8 to 16 VAC	Dual 12/24 VDC
<b>Latch Throw</b>	1" (25mm)	—	1/2" (13mm)	5/8" (16mm)
<b>Mode</b>	Reversible Fail-Safe/Fail-Secure	Fail-Safe	Fail-Secure	Fail-Secure
<b>Static Strength</b>	1,000 lbs (454kg) <b>GK1350</b> 1,500 lb (680kg)	—	1,000 lbs (454kg)	700 lbs (318kg)
<b>Endurance (Cycles)</b>	UL test : 250,000 Factory test : 1 million	—	Factory test : 250,000	Factory test : 250,000
<b>Locksets</b>	Cylindrical, Mortise	—	Cylindrical	<b>HK1900</b> (mechanical hook lock)
<b>Monitoring</b>	<b>GK1300M</b> (plug-in latch monitor)	—	—	<b>GK1900M</b> (latch monitor)
<b>Finish</b>	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
<b>Construction</b>	Stainless steel <b>GK1350</b> (zinc alloy/stainless steel)	Zinc alloy	Zinc alloy	Zinc alloy
<b>UL Certification</b>	GK1300 (UL 1034, UL 294) GK1350(M)-ST (UL 10C)	—	—	—
<b>Optional Models</b>	<b>GK1350/GK1350M</b>	GK1481 (Fail-Secure)	GK1700-02 (Silver finish) GK1700-03 (US40/Dark Bronze finish)	—

# ELECTRIC STRIKES

## GK1800 Series

### Horizontal Adjustable Low Profile Strikes

	GK1810	GK1820	GK1830A/AM	GK1830B/BM	GK1830C/CM
<b>Model</b>					
<b>Voltage</b>	12VDC, 24VDC ,12/24VDC				
<b>Latch Throw (mm)</b>	Up to 5/8" (16mm)				
<b>Mode</b>	Reversible Fail-Safe/Fail-Secure				
<b>Static Strength</b>	1,200 lbs (544Kg)				
<b>Dynamic Strength</b>	50 ft-lbs				
<b>Endurance (Cycles)</b>	1 million				
<b>Faceplate Length</b>	2 3/4"(70 mm)	3 1/2"(89mm)	4 1/16 (123 mm)	6 7/8"(174.6mm)	7 15/16"(201.6mm)
<b>Lockset</b>	Cylindrical & Mortise latch	Cylindrical & Mortise	Cylindrical & Mortise	Cylindrical & Mortise	Cylindrical & Mortise
<b>Finish</b>	Black Powder	Silver Powder	Brushed Stainless Steel	Brushed Stainless Steel	Brushed Stainless Steel
<b>Construction</b>	Zinc alloy body & faceplate	Zinc alloy body Stainless Steel faceplate	Zinc alloy body Stainless Steel faceplate	Zinc alloy body Stainless Steel faceplate	Zinc alloy body Stainless Steel faceplate

# ELECTRIC STRIKES

## GK1800 Series

### Horizontal Adjustable Low Profile Strikes

	GK1840	GK1850	GK1860	GK1870	GK1880	GK1885
<b>Model</b>						
<b>Voltage</b>	12VDC, 24VDC, 12/24VDC					
<b>Latch Throw (mm)</b>	Up to 5/8" (16mm)					
<b>Mode</b>	Reversible Fail-Safe/Fail-Secure					
<b>Static Strength</b>	1,200 lbs (544Kg)					
<b>Dynamic Strength</b>	50 ft-lbs					
<b>Endurance (Cycles)</b>	1 million					
<b>Faceplate Length</b>	3 3/8"(86mm)	5 7/8"(149.4 mm)	5 7/8"(149.5mm)	6 7/8"(174.5 mm)	5 7/8"(148.7 mm)	5 7/8"(148.7 mm)
<b>Lockset</b>	Rim Nightlatch	Mortise Latch	Cylindrical & Mortise	Cylindrical & Mortise	Cylindrical & Mortise	Cylindrical & Mortise
<b>Finish</b>	Black Powder	Silver Powder	Silver Powder	Black Powder	Silver Powder	Silver Powder
<b>Construction</b>	Zinc alloy body Stainless Steel faceplate	Zinc alloy body & faceplate	Zinc alloy body Stainless Steel faceplate	Zinc alloy body Stainless Steel faceplate	Zinc alloy body & faceplate	Zinc alloy body & faceplate



*GIANNI INDUSTRIES, INC.*

# ***CABINET LOCKS***

# CABINET LOCKS

## Convenient and Secure Locking Solution

	CK100	GL-80F
Model		
Voltage	12 to 28 VAC/DC	12 VDC, 24 VDC
Mode	Fail-Secure	Fail-Safe
Operation	Motor operation	Electromagnetic mechanism
Spring Door Open Release	Yes	No
Monitoring	Lock & Door status monitor	Optional lock status monitor ( <b>GL-80FR</b> )
Relock Time Delay	Yes	No
Holding Force	Anti-pulling force 220 lbs (100kg)	Holding force 80 lbs (36kg)
Housing	Black polyamide	Stainless steel
Dimensions	2 3/8" x 2 3/8" x 7/8" (60 x 60 x 22 mm) (without rosette)	Lock: 2 3/4" x 1 1/2" x 1" (70 x 38 x 26 mm) Armature: 3 1/8" x 1 1/4" x 3/4" (80 x 32 x 18.5 mm)









*GIANNI INDUSTRIES, INC.*

# ***ELECTROMECHANICAL LOCKING DEVICES***



# ELECTROMECHANICAL LOCKING DEVICES

## Electromechanical Locks

	European Standard		ANSI Standard			
Model	ML-605M-35	ML-655M-35	ML-805M-25	ML-855M-25	ML-905M-35	ML-955M-35
Model						
Voltage	12 to 24 VDC/AC					
Monitoring	Lock status					
Installation Direction	Vertical					
Lock Mode	Reversible Fail-Safe/Fail-Secure					
Static Strength	1,500 lbs					
Latchbolt & Nib	Nib located below double action latchbolt	Nib located below adjustable latchbolt	Nib located above double action latchbolt	Nib located above adjustable latchbolt	Nib located above double action latchbolt	Nib located above adjustable latchbolt
Optional Mechanical Override	Yes (Optional cylinders & keys available)		Yes (Cylinder included)		Yes	
Backset	1 3/8" (35 mm)		1" (25 mm)		1 3/8" (35 mm)	
Dimensions (mm)	Case: 275 L x 25 W x 54 D Strike: 150 L x 28 W x 2 D		Case: 275 L x 25 W x 49 D Strike: 150 L x 28 W x 2 D		Case: 225 L x 25 W x 50 D Strike: 150 L x 28 W x 2 D	

# ELECTROMECHANICAL LOCKING DEVICES

## Electromechanical Locks

Preload Capable Electromechanical Operation			
	ML-350M-1224	ML-400M	ML-450M
<b>Model</b>			
<b>Voltage</b>	12/24 VDC	12 to 24 VDC/AC	
<b>Monitoring</b>	Lock status, Door status	Door status	
<b>Installation Direction</b>	Horizontal, Vertical	Horizontal, Vertical	
<b>Lock Mode</b>	Fail-Safe	Fail-Safe	
<b>Preload Capability</b>	500 lbs (227 kg)	500 lbs (227 kg)	
<b>Latchbolt &amp; Nib</b>	Nib located above adjustable latchbolt	Nib located below double action latchbolt	Nib located below adjustable latchbolt
<b>Standard &amp; Compliance</b>	Tested and passed for: BS EN 14846; BS EN 1634-1: 2014 & BS EN 1363-1: 2012		
<b>Dimensions (mm)</b>	200 L x 25 W x 39.5 D	210 L x 25 W x 40.5 D	

# ELECTROMECHANICAL LOCKING DEVICES

## Electromechanical Locks


Surface Mount and Glass Mount Electromechanical Locks						
	ML-210N-SW-VGL	ML-360M-1224	ML-400MSMB	ML-400MVGL	ML-450MSMB	ML-450MVGL
<b>Model</b>						
<b>Voltage</b>	12 to 24 VDC/AC	12/24 VDC	12 to 24 VDC/AC			
<b>Monitoring</b>	Lock status	Lock status, Door status	Door status			
<b>Installation Direction</b>	Horizontal, Vertical					
<b>Lock Mode</b>	Reversible Fail-Safe/Fail-Secure	Fail-Safe				
<b>Preload Capability</b>	—	500 lbs (227 kg)				
<b>Mounting Type</b>	Glass mount	Surface mount	Surface mount	Glass mount	Surface mount	Glass mount
<b>Case Dimensions (mm)</b>	212 L x 53.5 W x 56 D	200 L x 30.5 W x 45 D	200 L x 32.5 W x 50 D	212 L x 53.5 W x 56 D	200 L x 32.5 W x 50 D	212 L x 53.5 W x 56 D

# ELECTROMECHANICAL LOCKING DEVICES

## Electromechanical Locks

For Narrow Stile Doors		
	<b>ML-210N-SW</b>	<b>ML-300-SW</b>
<b>Model</b>		
<b>Voltage</b>	12 to 24 VDC/AC	
<b>Monitoring</b>	Lock status	
<b>Installation Direction</b>	Horizontal, Vertical	Vertical
<b>Lock Mode</b>	Reversible Fail-Safe/Fail-Secure	
<b>Preload Capability</b>	—	
<b>Optional Mechanical Override</b>	No	Yes (Optional cylinders & keys available)
<b>Optional Model</b>	<b>ML-211-SW</b> (Unmonitored)	<b>ML-301-SW</b> (Unmonitored)
<b>Dimensions (mm)</b>	210 L x 25 W x 44 D	250 L x 25 W x 44 D Backset: 30

## Electromechanical Mortise Lock

ANSI Standard, Handle/Lever Controlled	
	<b>GML880</b>
<b>Model</b>	
<b>Input Power</b>	600mA/12VDC, 300mA/24VDC Field selectable 12/24 VDC
<b>Backset</b>	2 3/4" (70 mm)
<b>Finish</b>	Brushed stainless steel (US32D)
<b>Field Configuration</b>	Changeable fail-safe/fail-secure operation Reversible latchbolt for right and left hand doors
<b>Optional Monitoring Outputs</b>	Lock status, Request-to-Exit/Enter (Lever rotation), Door status
<b>Strike</b>	4 7/8" x 1 1/4" , furnished with dust box
<b>Accessories</b>	Cylinder & Keys

### Optional Lever Sets



GEM880-SET with L811 Lever Option



GEM880-SET with L812 Lever Option



GEM880-SET with L814 Lever Option




*GIANNI INDUSTRIES, INC.*

# ***Electromechanical Push Bar***

# ELECTROMECHANICAL LOCKING DEVICES

## Electromechanical Push Bar

			Preload Panic Exit Device		
		PBH-100M	PBH-110M	PBH-350	
Model					
Voltage		12~24 VDC/AC	—	12 or 24 VDC	
Current Draw		1500 mA (down to 500 mA after 1 sec)	—	12 VDC	385 mA
				24 VDC	220 mA
Lock Mode		Fail-Secure		Fail-Safe	
Cover/ Housing		Aluminum Alloy		Aluminum Alloy	
Mechanism		Solenoid	Mechanical	Solenoid	
Features	Locking Mechanism	Starwheel bolt		Pullman latch	
	Lock Status Signal Output	Yes	No	Yes	
	Bi-Colour LED (Green/Red)	<b>PBH-100MLD-SO Models</b>	—	<b>PBH-350LD</b>	
	Standard Length	24" & 36"		36"	
	Delay Egress	No		<b>PBH-350DE</b>	
Dimensions	Bar	36": 35 1/16" x 2 5/8" x 2 7/16" (890 x 66 x 61.5mm) 24": 23 5/8" x 2 5/8" x 2 7/16" (600 x 66 x 61.5mm)		35 1/16" x 2 5/8" x 2 7/16" (890 x 66 x 61.5mm)	
	Strike	2 15/16" x 1 3/16" x 11/16" (75 x 30 x 17mm)		2 15/16" x 1 3/16" x 11/16" (75 x 30 x 17mm)	



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# ***ELECTRIC DROPBOLTS***



# ELECTRIC DROPBOLTS

## Fail-Safe Series (Mortise Mount)

Mortise Mount Fail-Safe Series						
Model	EB170	EB175	EB180	EB185	EB190TG	EB195TG
						
Voltage	Dual 12/24 VDC					
Current	Pull in: 0.9A/12VDC, 0.45A/24VDC Holding: 0.15A/12VDC, 0.1A/24VDC					
Lock Dimensions (mm)	150 x 25 x 41		210 x 25 x 41			
Strike Plate Dimensions (mm)	100 x 25 x 3					
Finish	Brushed stainless steel					
Intelligent Electronics	Yes					
Bolt Status Sensor (BSS)	No		Yes			
Door Position Sensor (DPS)	Yes	No			Yes	
Buzzer Alarm (Door Held Open Alarm)	No					
Relock Timer	Yes					
Push Button Trigger Input	No				Yes	
Adjustable Ball Catch	No	EB180P		EB185P	EB190TG-P	EB195TG-P

# ELECTRIC DROPBOLTS



## Fail-Safe Series (Mortise Mount)

Mortise Mount Fail-Safe Series			
Model	EB200NLW	EB220N	EB262N
			
Voltage	12VDC		
Current	Pull in: 0.9A Holding: 0.3A		
Lock Dimensions (mm)	203 x 32 x 41.5 <b>EB200NLW-32</b> 203 x 34 x 41.5 <b>EB200NLW-34</b> 203 x 38 x 41.5 <b>EB200NLW-38</b>	220 x 32 x 40 220 x 35 x 40 <b>EB220N-35</b> 220 x 38 x 40 <b>EB220N-38</b>	262 x 35 x 40 262 x 32 x 40 <b>EB262NDS-32</b>
Strike Plate Dimensions (mm)	100 x 25 x 3	140 x 25 x 3	140 x 25 x 3
Finish	Aluminum anodized	Brushed stainless steel/Silver	Brushed stainless steel
Intelligent Electronics	No	Yes	Yes
Bolt Status Sensor (BSS)	No	Yes	Yes
Door Position Sensor (DPS)	Yes	<b>EB220NDS</b>	<b>EB262NDS</b>
Buzzer Alarm (Door Held Open Alarm)	No	<b>EB220NDB</b> (DPS & Alarm)	<b>EB262NDB</b> (DPS & Alarm)
Relock Timer	Yes		
Push Button Trigger Input	No		
Adjustable Ball Catch	No	No	Yes

# ELECTRIC DROPBOLTS

## Fail-Safe Series (Surface Mount)

ELECTRIC DROPBOLTS

Surface Mount Fail-Safe Series					
Model	EB160	EB185S	EB195TGS	EB300	EB400NDS
Model					
Voltage	Dual 12/24 VDC			12 VDC	
Current	Pull in: 0.9A/12VDC, 0.45A/24VDC Holding: 0.15A/12VDC, 0.1A/24VDC			Pull in: 0.9A Holding: 0.3A	
Lock Dimensions (mm)	150 x 40 x 27.5	212 x 56 x 31		166 x 56 x 34	220 x 42.5 x 39
Strike Plate Dimensions (mm)	150 x 40 x 27.5	102 x 56 x 31		166 x 56 x 34	220 x 42.5 x 39
Finish	Zinc alloy	Aluminum anodized		Aluminum anodized	Brushed stainless steel
Intelligent Electronics	Yes			No	Yes
Bolt Status Sensor (BSS)	No	Yes		No	Yes
Door Position Sensor (DPS)	Yes	No	Yes	Yes	
Buzzer Alarm (Door Held Open Alarm)	No		Yes	No	<b>EB400NDB</b>
Relock Timer	Yes			Yes	
Push Button Trigger Input	No		Yes	No	

# ELECTRIC DROPBOLTS

## Fail-Safe Series (Glass Mount)

### Glass Mount Fail-Safe Series

	EB160VGL	EB195TGVGL	EB200NVGL	EB300VGL
<b>Model</b>				
<b>Voltage</b>	Dual 12/24 VDC	Dual 12/24 VDC	12 VDC	12 VDC
<b>Current</b>	Pull in: 0.9A/12VDC, 0.45A/24VDC Holding: 0.15A/12VDC, 0.1A/24VDC	Pull in: 0.9A/12VDC, 0.45A/24VDC Holding: 0.15A/12VDC, 0.1A/24VDC	Pull in: 0.9A Holding: 0.3A	Pull in: 0.9A Holding: 0.3A
<b>Lock Dimensions (mm)</b>	150 x 42 x 52	212 x 56 x 53.5	205 x 56 x 65.9	166 x 56 x 55.5
<b>Strike Plate Dimensions (mm)</b>	150 x 42 x 52	102 x 56 x 53.5	205 x 56 x 65.9	166 x 56 x 55.5
<b>Finish</b>	Aluminum anodized	Aluminum anodized	Aluminum anodized	Aluminum anodized
<b>Intelligent Electronics</b>	Yes	Yes	No	No
<b>Bolt Status Sensor (BSS)</b>	No	Yes	No	No
<b>Door Position Sensor (DPS)</b>	Yes	Yes	Yes	Yes
<b>Relock Timer</b>	Yes	Yes	Yes	Yes
<b>Push Button Trigger Input</b>	No	Yes	No	No

# ELECTRIC DROPBOLTS

## Fail-Secure Series

### Mortise Mount Fail-Secure Series

	EB260-N	EB261	EB270	EB265
Model				
Voltage	12 to 28 VDC	12 to 24 VAC/VDC		
Current	1.2A/12VDC			
Lock Dimensions (mm)	260 x 48 x 30			260 x 73 x 30
Strike Plate Dimensions (mm)	100 x 25 x 3	100 x 46 x 1.5		
Finish	Brushed stainless steel			
Backset (mm)	35			55
Bolt Status Sensor (BSS)	<b>EB260M-N</b>	<b>EB261M</b>	<b>EB270M</b>	<b>EB265M</b>
Reversible Latchbolt	No	Yes	Yes	Yes
Relock Timer	<b>EB260M-N</b>	No	No	No
Auxiliary Deadlatch	No	No	Yes	No
Optional Accessories	<b>ECY-72S</b> (Euro-profile thumbturn cylinder), <b>ECY-72D</b> (Euro-profile double cylinder)			






*GIANNI INDUSTRIES, INC.*

# ***SHEAR LOCKS***

# SHEAR LOCKS

## Shear Aligning Electromagnetic Locks

	GS200	GS200VGL	<b>NEW</b> GS250MDT	<b>NEW</b> GS250MDT-VGL
<b>Model</b>				
<b>Voltage</b>	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable
<b>Current</b>	420 mA/12 VDC 210 mA/24 VDC	420 mA/12 VDC 210 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC
<b>Shear Holding Force (lbs)</b>	1200	1200	1200	1200
<b>Bond Sensor</b>	<b>GS200M</b>	<b>GS200MVGL</b>	Yes	Yes
<b>Mount</b>	Mortise, Semi-Mortise, Surface	Frameless glass surface	Mortise, Surface	Glass
<b>Magnet Dimensions</b>	7 1/16" L x 1 3/16" W x 1 1/16" D 180 x 30 x 27 mm	7 3/16" L x 1 7/8" W x 1 3/8" D 182 x 48 x 35 mm	6 9/16" L x 1 3/16" W x 1 1/16" D 167 x 30 x 27.5 mm	6 9/16" L x 1 3/16" W x 1 1/16" D 167 x 30 x 27.5 mm
<b>Relock Time Delay</b>	—	—	2 sec	2 sec
<b>Door Gap</b>	1/16" (2mm)	1/16" (2mm)	1/16" (2mm)	1/16" (2mm)
<b>UL Certification</b>	UL 1034	UL 1034	—	—
<b>Optional Mounting Bracket</b>	<b>SMB-200</b>	—	<b>SMB-300</b>	—
<b>Optional Models</b>	<b>GS200S</b> (Surface mounted) <b>GS200MS</b> (Bond sensor included, Surface mounted)	—	<b>GS250</b> (Unmonitored) <b>GS250S</b> (Unmonitored, Surface Mount) <b>GS250MDT-S</b> (Surface Mount)	<b>GS250VGL</b> (Unmonitored)



# SHEAR LOCKS

## Shear Aligning Electromagnetic Locks

	GS705-30	GS705-35	GS705N-30
Model			
Voltage	12 to 24 VDC	12 to 24 VDC	12/24 VDC Field selectable
Current	Pull in: 1.8 A/12 VDC Holding: 0.45 A/12 VDC Pull in: 1.1 A/24 VDC Holding: 0.25 A/24 VDC	Pull in: 1.85 A/12 VDC Holding: 0.45 A/12 VDC Pull in: 1.1 A/24 VDC Holding: 0.25 A/24 VDC	420 mA/12 VDC 210 mA/24 VDC
Shear Holding Force (lbs)	2000	2200	1200
Bond Sensor	Yes	Yes	Yes
Mount	Mortise	Mortise, Semi-Mortise, Surface	Mortise
Magnet Dimensions	9 7/8" L x 1 3/16" W x 1 5/16" D 251 x 30 x 34 mm	9 7/8" L x 1 3/8" W x 1 5/16" D 251 x 35 x 34 mm	10 9/16" L x 1 3/16" W x 1 1/4" D 268 x 30 x 32 mm
Relock Time Delay	1-6 secs	1-6 secs	—
Door Gap	1/8" (3mm)	1/8" (3 mm)	1/16" (2mm)
UL Certification	—	—	—
Optional Mounting Bracket	—	<b>SMB-001</b>	—
Optional Models	—	<b>GS705-35TD</b> (1 -15 sec time delay)	—



*GIANNI INDUSTRIES, INC.*

# ***AUTOMATIC DOOR OPERATOR***


# AUTOMATIC DOOR OPERATOR

The AD500 is an automatic swing door operator for a wide range of applications. It can be mounted on either side of the door header for pull or push action, and is suitable for single or double, inward or outward opening, left or right handed doors. It also offers numerous adjustable features and can be integrated with electric locks or access control systems to ensure all around safety.



**OPB-500AD**  
Operation Controller

## Easy, Convenient and Safe Access for Swing Doors

<b>Model</b>	<p style="text-align: center;"><b>AD500</b></p> 	
<b>Application</b>	Healthcare facilities, Office buildings, Homes, Business premises	
<b>Features &amp; Functions</b>	<ul style="list-style-type: none"> <li>• Non – handed</li> <li>• Push or pull side mounting</li> <li>• Integration with door mounted presence sensor (infrared technology) for safety</li> <li>• Backup battery input for emergency power supply</li> <li>• Power On/Off switch</li> <li>• Activation options: wall switches, card readers, microwave sensors</li> <li>• Adjustment of hold-up time, opening/closing speed, and opening angle</li> <li>• Integration with electric hardware and access control system</li> <li>• 4 Operation modes: Auto, Hold-open, Manual, Push &amp; Go (OPB-500AD operation mode selector included)</li> </ul>	
<b>Technical Data</b>	<b>Power Input</b>	100 - 240 VAC, 3.2A Max.
	<b>Door Weight</b>	60 - 150Kg
	<b>Door Width</b>	47 1/4" (1200 mm)
	<b>Compliance</b>	<b>CE, UL/CUL 325</b>



*GIANNI INDUSTRIES, INC.*

# ***ACCESS CONTROL SYSTEMS***

# BLUETOOTH READERS







## Bluetooth Access Control DG Series

	DG-360 <sup>+</sup>	DG-365 <sup>+</sup>	DG-170 <sup>+</sup>	DG-800 <sup>+</sup>
<b>Model</b>				
<b>Input Power</b>	12 to 24 VDC		12 VDC	
<b>Bluetooth Spec</b>	Bluetooth low energy 4.2		Bluetooth low energy 4.2	
<b>Operating Distance</b>	50 meters (164 ft)		50 meters (164 ft)	
<b>Temperature</b>	+ 14 to 104°F (-10° to +40°C)		+ 14° to 104°F (-10° to +40°C)	
<b>Administrator/Users</b>	1/200		1/200	
<b>Access Modes</b>	Smartphone, RFID EM 125kHz		Smartphone, RFID EM 125kHz, Keypad	
<b>Functions</b>	<ul style="list-style-type: none"> <li>• Built-in 85dB tamper buzzer</li> <li>• REX input &amp; Alarm output</li> <li>• Automatic unlocking</li> <li>• Anti-tailgate</li> </ul>	<ul style="list-style-type: none"> <li>• Built-in 85dB tamper buzzer</li> <li>• REX input &amp; Alarm output</li> <li>• Automatic unlocking</li> <li>• Anti-tailgate</li> <li>• Logo indicator light</li> </ul>	<ul style="list-style-type: none"> <li>• Door held open alarm (built-in 85dB buzzer)</li> <li>• Tamper alarm</li> <li>• REX input &amp; Alarm output</li> <li>• Automatic unlocking</li> <li>• Backlit keypad</li> </ul>	
<b>User Management</b>	<ul style="list-style-type: none"> <li>• Add/Delete/View user data</li> <li>• Grant user access for specific dates or time periods</li> <li>• Change user passcode</li> <li>• Up to 1,000 audit trails</li> </ul>		<ul style="list-style-type: none"> <li>• Add/Delete/View user data</li> <li>• Grant user access for specific dates or time periods</li> <li>• Change user passcode</li> <li>• Up to 1,000 audit trails</li> </ul>	
<b>Finish</b>	Black	Chrome plated front trim	Chrome/Gold	
<b>Dimensions (mm)</b>	86 x 86 x 20 (European size)	120 x 76 x 21 (ANSI size)	152 x 45 x 23	123 x 79 x 23

\*Above Bluetooth readers/keypads work with Bluetooth-enabled smartphones. Easiprox app is available for iOS or Android device and can be downloaded from Apple App or Google Play Store.

# BLUETOOTH READERS



Bluetooth Access Control Easiprox Series				
Model	Easiprox <sup>+</sup>	Easiprox <sup>+</sup> Slim	DG-320BLE	DG-325BLE
				
Input Power	12 VDC		12 VDC / 24 VDC	
Bluetooth Spec	Bluetooth low energy 4.2			
Operating Distance	50 meters (164 ft)			
Temperature	-20 °C ~ 70 °C (-4 °F ~ 158 °F)			
Administrator/Users	1/200			
Access Modes	Smartphone, RFID EM 125kHz			
Functions	<ul style="list-style-type: none"> <li>• Door held open alarm (built-in 85dB buzzer)</li> <li>• Tamper alarm</li> <li>• REX input &amp; Alarm output</li> <li>• Automatic unlocking</li> </ul>		<ul style="list-style-type: none"> <li>• Door held open alarm (built-in 85dB buzzer)</li> <li>• Tamper alarm</li> <li>• REX input &amp; Alarm output</li> <li>• Automatic unlocking</li> <li>• Backlit keypad</li> </ul>	
User Management	<ul style="list-style-type: none"> <li>• Add/Delete/View user data</li> <li>• Grant user access for specific dates or time periods</li> <li>• Change user passcode</li> <li>• Up to 1,000 audit trails</li> </ul>		<ul style="list-style-type: none"> <li>• Add/Delete/View user data</li> <li>• Grant user access for specific dates or time periods</li> <li>• Change user passcode</li> <li>• Up to 1,000 audit trails</li> </ul>	
Finish	Navy blue	Black	Navy blue	
Dimensions (mm)	114 x 80 x 18	88 x 44 x 23	114 x 70 x 41	120 x 74 x 46.2

\*Above Bluetooth readers/keypads work with Bluetooth-enabled smartphones. Easiprox app is available for iOS or Android device and can be downloaded from Apple App or Google Play Store.




# BLUETOOTH EXIT BUTTONS



## PBT/BTS Series BlueSwitch

The PBT/BTS series BlueSwitch combines an exit button with Bluetooth technology to suit a wide range of applications. It allows easy exit by push button or smartphone and provides an integrated access control solution. It also works with BlueSwitch App for easy and flexible user management.



Exit Button plus Unlock System			
	PBT-1000BT	BTS-586BT	BTS-500BT
<b>Model</b>			
<b>Finish</b>	White/Green plastic	Stainless steel	Stainless steel
<b>Dimensions (mm)</b>	86 X 86 X 38 (European size)	86 x 86 (European size)	114 x 70 (ANSI size)
<b>Input Power</b>	12 to 24 VDC		
<b>Bluetooth Module</b>	Bluetooth low energy 4.2		
<b>Operating Distance</b>	50 meters (164 ft)		
<b>Administrator/Users</b>	1/1000		
<b>Exit Mode</b>	Bluetooth smartphone, Push button		
<b>User Management</b>	<ul style="list-style-type: none"> <li>• Add/Delete/View user data</li> <li>• Grant user access for specific dates or time periods</li> <li>• Change user passcode</li> <li>• Up to 1,000 audit trails</li> </ul>		
<b>Special Functions</b>	<ul style="list-style-type: none"> <li>• Automatic unlocking</li> <li>• 3 Locking options</li> <li>• Restore &amp; Backup data</li> </ul>		

# Digital Keypads

Standalone DG Series					
Model	DG-120	DG-130L	DG-185	DG-195	DG-300EM
					
<b>Description</b>	ANSI size	European size	Piezoelectric keys	Backlit touch panel	Backlit Prox keypad
<b>Voltage</b>	12 to 24 VDC	12 to 24 VDC	12 to 24 VAC/DC	12 to 24 VAC/DC	12 to 24 VAC/DC
<b>Users</b>	49 + 50	50	1000 + 10	99	1000 + 10
<b>PIN Code Digits</b>	5	4	4 to 6	4 to 8	Card, Code (4 digits)
<b>Inputs</b>	REX, Door sensor	REX	REX, Door sensor	REX	2 REX inputs 1 Door sensor input
<b>Outputs</b>	2 Relays	1 Relay	2 Relays	1 Relay 1 Auxiliary	2 Relays
<b>Housing</b>	Black Plastic ABS	Navy Blue Plastic ABS	Aluminum alloy	Stainless steel frame	Black Plastic ABS
<b>Mount</b>	Surface/Flush	Surface/Flush	Mullion surface	Flush	
<b>Tamper</b>	No	No	Light sensor	Switch	Switch
<b>Dimensions (mm)</b>	114x 70 x 41 (Surface mount)	87.3 x 87.3 x 45.2	155 x 44 x 10	134 x 90 x 42	117.5 x 77.5 x 23.5



# Digital Keypads

## Standalone DG Series (Illuminated Keypads)

	DG-15LD	DG-850TH	DG-600
<b>Model</b>			
<b>Description</b>	Backlit tactile keys	Backlit touch panel EMI prevention	Backlit tactile keys
<b>Voltage</b>	12 to 24 VDC	12 VDC	12 to 24 VAC/DC
<b>Users</b>	200 +10	20 +1	1000 + 10
<b>Access Modes</b>	Code (4 or 5 digits)	Code (4 or 5 digits)	Code (4 to 6 digits)
<b>Inputs</b>	REX, Door sensor	REX, Door sensor	RFID EM 125kHz, Keypad
<b>Outputs</b>	2 Relays	2 SSRs (MOSFET relay)	2
<b>Housing</b>	Aluminum alloy	Gold/Chrome plated zinc alloy front trim	Zinc Alloy
<b>Mount</b>	Surface	Surface	Surface
<b>Tamper</b>	No	No	Yes
<b>Dimensions (mm)</b>	125 x 79 x 64	120 x 76 x 21	123 x 79 x 23

\*EMI: Electromagnetic Interference

# Proximity Keypad Readers

## Standalone Split DG Series (With Separate Controller)

	DG-187	DG-350*	DG-700
<b>Model</b>			
<b>Description</b>	Piezoelectric keys Separate controller	Backlit tactile keys	Backlit tactile keys
<b>Voltage</b>	12 to 24 VAC/DC	12 to 24 VAC/DC	12 to 24 VAC/DC
<b>Users</b>	1000 + 10	1000 + 10	1000 + 10
<b>Access Modes</b>	Code (4 to 6 digits)	Card, Code (4 to 6 digits)	Card, Code (4 to 6 digits)
<b>Inputs</b>	REX, Door sensor, Tamper	2 REX inputs 1 Door sensor input 1 Tamper input	2 REX inputs 1 Door sensor input 1 Tamper input
<b>Output</b>	2 Relays	2 Form C Relays	2 Form C Relays
<b>Housing</b>	Aluminum alloy	Stainless steel plate & Stainless steel/plastic back box	Chrome/Gold plated zinc alloy
<b>Mount</b>	Mullion surface	Surface/Flush	Surface
<b>Proximity Frequency</b>	—	125 kHz	125 kHz
<b>Read Range (cm)</b>	—	3	3
<b>Tamper</b>	Light sensor Wiring terminal	Wiring terminal	Wiring terminal
<b>Keypad Dimensions (mm)</b>	155 x 44 x 10 (Keypad) 69.5 x 60.3 x 6 (Controller)	120 x 74 x 46.2	122.8 x 78.5 x 22.5

\* DG-350 includes 3 models: DG-350A (with stainless steel back box), DG-350B (with ramp surface, plastic back box) and DG-350C (with standard plastic back box)

# Proximity Keypad Readers

Standalone Split DG Series (With Separate Controller)			
	DG-750	DG-760	DG-770TP
<b>Model</b>			
<b>Description</b>	Backlit tactile keys Separate controller	Backlit tactile keys	Backlit touch panel Red LED logo display
<b>Voltage</b>	12 to 24 VAC/DC	12 to 24 VAC/DC	12 to 24 VAC/DC
<b>Users</b>	1000 + 10	1000 + 10	1000 + 10
<b>Access Modes</b>	Code (4 to 6 digits)	Card, Code (4 to 6 digits)	Card, Code (4 to 6 digits)
<b>Inputs</b>	2 REX inputs 1 Door sensor input 1 Tamper input	2 REX inputs 1 Door sensor input 1 Tamper input	2 REX inputs 1 Door sensor input 1 Tamper input
<b>Output</b>	2 Relays	2 Form C Relays	2 Form C Relays
<b>Housing</b>	Chrome plated zinc alloy	Chrome plated zinc alloy	Chrome/Gold plated zinc alloy front trim
<b>Mount</b>	Surface	Mullion surface	Surface
<b>Proximity Frequency</b>	—	125 kHz	125 kHz
<b>Read Range (cm)</b>	—	3	3
<b>Tamper</b>	Wiring terminal	Wiring terminal	Wiring terminal
<b>Keypad Dimensions (mm)</b>	122.8 x 78.5 x 22.8 (Keypad) 69.5 x 60.3 x 6 (Controller)	151.5 x 45 x 22.7	120 x 76 x 21

# Networked Access Control Keypads

## Multi-Function Networked Access Controller

Model	ST-640E
	
Voltage	12 VDC
Users	1000 Codes/Cards
PIN Code Digits	4
Access Modes	Card only, Code or Card, Code and Card
Functions	Security system synchronization , Anti-passback, Auto failure recovery
Inputs & Outputs	REX & Door sensor inputs, Alarm outputs (Duress, Door ajar, Forced entry)
Wiegand Output	26 or 34 bit
Proximity Frequency	125 kHz
Read Range	10 to 15 cm
Temperature	23°F to 140°F (-5°C to 60°C)
Humidity	5% to 95% Non-condensing
Mount	Surface/Flush
Dimensions (mm)	114 X 70 x 41 (Surface mount)
Software	Management system software included

## Proximity Readers & Other Accessories

### 125 kHz Wiegand Proximity Reader

Model	GEMPROX-640EM-BA
	
Description	Wiegand 26/34 bit

### Wiegand Mullion Proximity Readers

Model	GEMPROX-26M	GEMPROX-E	716-40
			
Description	13.56 MHz Wiegand 26 bit	125 kHz Wiegand 26 bit	13.56 MHz Wiegand 26/34/44 bit

### RS485 Converters

Model	485-TO-USB	485-TO-TCP/IP
		
Description	RS485 to USB converter	RS485 to TCP/IP converter

# Proximity Reader Accessories

Proximity Disc Tags & Cards							
Model	CCTR-INLAY	CCTR00-KEYPROX	CCTR00-CHN105	CCTR00-OF-105	CCTR00-CNPSLD	CCTR-MF-MUL-086	CMS-14
							
Description	<ul style="list-style-type: none"> <li>● Prox Disc Tag</li> <li>● 125 kHz</li> <li>● 22, 29 mm Dia.</li> </ul>	<ul style="list-style-type: none"> <li>● Prox Card</li> <li>● 125 kHz</li> <li>● ABA 6H/8D</li> </ul>	<ul style="list-style-type: none"> <li>● Prox Card</li> <li>● 125 kHz</li> <li>● ABA 8H/10D</li> </ul>	<ul style="list-style-type: none"> <li>● Prox Card</li> <li>● 125 kHz</li> <li>● ABA 6H/7D</li> </ul>	<ul style="list-style-type: none"> <li>● Prox Card</li> <li>● 125 kHz</li> <li>● ABA 8H/10D</li> </ul>	<ul style="list-style-type: none"> <li>● Prox Card</li> <li>● 13.56 MHz</li> <li>● ABA 8H/10D</li> </ul>	<ul style="list-style-type: none"> <li>● Prox Card</li> <li>● 125 kHz / 13.56 MHz</li> <li>● ABA 8H/10D</li> </ul>

125 kHz Proximity Key Fobs								
Model	KT-12-BT	KT-13-BL	KT-15EM	KT-16	KT-17	KT-21	KT-22	KT-23BA
								
Description	<ul style="list-style-type: none"> <li>● Plastic</li> <li>● ABA 8H/8D</li> </ul>	<ul style="list-style-type: none"> <li>● Plastic</li> <li>● ABA 8H/10D</li> </ul>	<ul style="list-style-type: none"> <li>● Plastic</li> <li>● ABA 8H/10D</li> </ul>	<ul style="list-style-type: none"> <li>● Plastic</li> <li>● ABA 8H/10D</li> </ul>	<ul style="list-style-type: none"> <li>● Plastic</li> <li>● ABA 6H/8D</li> </ul>	<ul style="list-style-type: none"> <li>● Leather</li> </ul>	<ul style="list-style-type: none"> <li>● Leather</li> </ul>	<ul style="list-style-type: none"> <li>● Leather</li> <li>● ABA 8H/10D</li> </ul>









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# ***POWER SUPPLIES***


# POWER SUPPLIES

## PSB/PSU Series

	Uninterruptible Power Supplies					Mini Power Supply
Model	PSB3A PSB5A	PSU100	PSU310-120 PSU310-230	PSU510-120 PSU510-230	PSU320-12 PSU320-24	PSU18-12TB PSU18-24TB
<b>Model</b>						
<b>Power Supply Type</b>	Linear	Linear	Linear	Linear	Switching	Switching
<b>Features</b>	Toroidal transformer	—	Built-in red flashing light alarm	Field selectable 12 or 24 VDC output	Red flashing light alarm	Compact size
<b>Input Voltage (VAC)</b>	220 - 240 (Special order 110 to 120)	120, 230	110, 230	110, 230	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz
<b>Output Voltage (VDC)</b>	3A 13.8V/27.6V 5A 13.8V/27.6V	2A/13.4V (24W) 2A/27.6V (48W)	2A/13.8V (24W)	3A/13.8V (36W) or 2A/27.6V (48W)	3A/13.8V (36W) 2A/27.6V (48W)	1A/12V 0.5A/24V
<b>Status LED</b>	AC, DC, Battery	—	DC, Battery	DC, Battery	AC, DC, Battery	Power
<b>Tamper Switch</b>	Yes	No	No	No	No	No
<b>Emergency Override Input</b>	No	No	Yes	Yes	Yes	No
<b>Optional Accessories</b>	Power distribution board	—	—	Power supply modules Board stacker Main power switch	Power supply modules Board stacker	—
<b>Dimensions</b>	12 5/8"x2 13/16"x3 1/2" (320 x 325 x 89.5 mm)	8 7/8"x 8 1/2"x3 1/8" (226 x 216 x 80 mm)	10 3/8"x10 3/8"x3 1/8" (263 x 263 x 80 mm)	13"x13"x 3 3/8" (330 x 330 x 86 mm)	12 13/16"x11"x3 9/16" (325 x 280 x 90 mm)	2 3/16"x1 7/8"x1 9/16" (55 x 48 x 40 mm)
<b>Protection Mechanism</b>	Low battery voltage Short circuit Reverse battery polarity Overcurrent Thermal overload	Short circuit Reverse battery polarity Overcurrent Thermal overload	Short circuit Reverse battery polarity Overcurrent Thermal overload	Short circuit Reverse battery polarity Overcurrent Thermal overload	Low battery voltage Short circuit Reverse battery polarity Overcurrent Thermal overload	—

# POWER SUPPLIES

## PSM Series

High Efficiency Switching Power Supplies				
		Using Li-ion Batteris* *Batteries are not included	Plug-In Mount	Boxed with Multi-Indicator Panel
Model	<b>PSC-122B</b> 	<b>PSM-35-D/PSM-35-X</b> 	<b>PSM-28T</b> 	<b>PSM-29T</b> 
Features	Two independent power outputs and battery charging capability. Mounting bracket included.	Built-in buzzer, Status LEDs Power supply board only: PSM-35-X Power supply & Access control modules: PSM-35-D	0~45 Sec timer Switch for Fail-safe/Fail-secure lock	0~45 Sec timer, Status LEDs Switch for Fail-safe/Fail-secure lock
Input Voltage (VAC)	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz
Output 1	12 VDC/ 1A Max. (1.7A in total for 2 outputs)	3A/12.5VDC	12 or 13.8 VDC 1.5A Max.	12 or 13.8 VDC 1.1A Max.
Output 2	12 VDC/ 1A Max. (1.7A in total for 2 outputs)	—	12 or 13.8 VDC 1A Max.	12 or 13.8 VDC 1A Max.
Battery Charging	12 VDC/ 0.3A Max.	3 x 18650 Li-ion rechargeable cells (not included)	12 or 13.8 VDC 0.3A Max.	12 or 13.8 VDC 0.3A Max.
Weight & Dimensions	Weight: 2 kg Dimensions: 8 1/4" x 8 11/16" x 3 1/8" (210 x 220 x 80mm)	Dimensions: 7 3/4" x 7 3/4" x 1 11/16" (196.5 x 196.5 x 43 mm)	Weight: 0.22 kg Dimensions: 5 1/16" x 2 7/8" x 2" (129 x 73 x 50 mm)	Weight: 2 kg Dimensions: 8 1/4" x 8 11/16" x 3 1 / 8 " (210 x 220 x 80 mm)
Options	—	Cover colors: Black, Grey, White Power cords: AU,EU, UK, US standard	Cover colors: Black Power cords: AU,EU, UK, US standard	—



# POWER SUPPLIES

## PSM Series

### High Efficiency Switching Power Supplies

#### DIN Rail Mount

Model	PSM-01T-4-AC230V	PSM-02-AC230V	PSM-10T	PSM-112S	PSM-224S	PSM-512S
						
<b>Input Voltage (VAC)</b>	230 50Hz	230 50Hz	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz
<b>Output 1</b>	2A/12VDC	1.5A/12VDC	2A/12VDC	1A/13.8VDC	2A/27.6VDC	4.35A/13.8VDC
<b>Output 2</b>	0.5A/12VDC	0.5A/12VAC	0.5A/12VDC	—	—	—
<b>Battery Charging</b>	—	—	—	0.28A/14.5VDC	0.25A/27.6VDC	0.5A/13.8VDC
<b>Adjustable Timer (Sec)</b>	0~75	—	0~75	—	—	—
<b>Weight (Kg)</b>	1	0.95	0.35	0.25	0.34	0.35
<b>Dimensions</b>	6 3/16" x 3 7/8" x 2 11/16" (157.5 x 99 x 68 mm)	6 3/16" x 3 7/8" x 2 11/16" (157.5 x 99 x 68 mm)	5 1 / 16 " x 2 7/8" x 2" (129 x 73 x 50 mm)	4 13/16" x 3 15/16" x 2 1/16" (122 x 100 x 68mm)	4 13/16" x 3 15/16" x 2 1/16" (122 x 100 x 68mm)	4 13/16" x 3 15/16" x 2 1/16" (122x100x68mm)

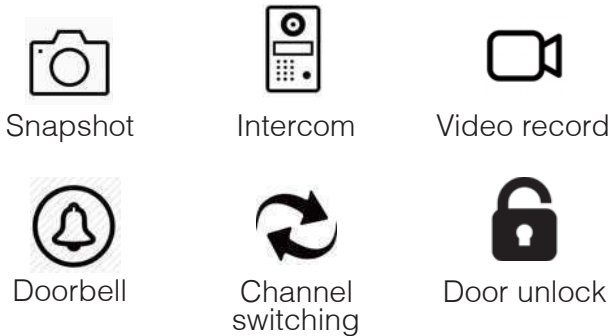
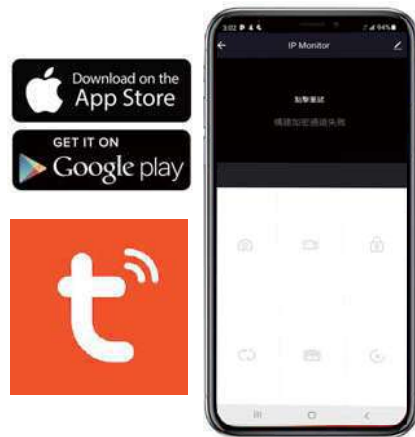


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# ***VIDEO INTERCOM SYSTEM***

# IP Video Intercom System

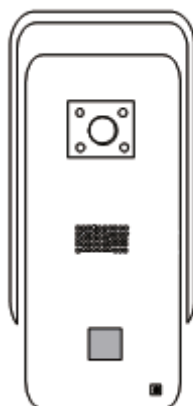
Install the free “**Tuya Smart**” APP and smart control your home.



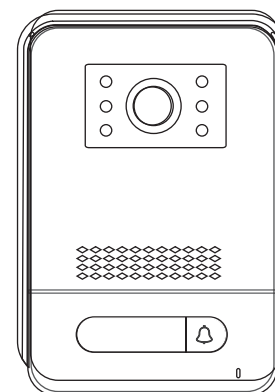
You will never miss a visitor anymore.  
Answer the door and remote unlock anytime & anywhere.



Monitor Station VMT-107	
Display	7-inch TFT LCD Touch Screen (16:9)
Resolution	1024 x 600 HD
Video System	PAL/NTSC compatible
Intercom mode	Semi duplex communication
Conversation Duration	120 seconds
Operating Voltage	12 VDC
Current Draw	650 mA (working) 30 mA (standby)
Power consumption	7.8 Watts
Data Communication	4-wire cables, WiFi Tuya solutions
Power supply	Input: 100~240V (50~60Hz) ,Output: 12VDC /1A
Operational temp.	-10°C~55°C
Installation	Surface mount
Extension Memory	Supports max. 64GB TF card
Video Format	Supports AHD1080, 720V, CVBS
Dimension	220 x 135 x 23 mm



**ODS-200**



**ODS-100**

**Video Door Station ODS-200**

<b>Camera</b>	1/3 CMOS, AHD1080P HD camera, 3.6MM Lens
<b>Camera View</b>	90-degree
<b>Resolution</b>	AHD 1080P
<b>LED</b>	Night vision compensation
<b>Operating Voltage</b>	12 VDC
<b>Current Draw</b>	200 mA (working) 30 mA (standby)
<b>Data Communication</b>	4-wire connection to monitor station
<b>Operating Temperature</b>	-20°C~60°C
<b>Dimensions</b>	130 x 54 x 39 mm
<b>Relay</b>	dry contact: NC, COM, NO
<b>Material Housing</b>	Aluminum alloy/ Silver Finish
<b>Weatherproof</b>	IP65
<b>Call buttons</b>	direct call, name plate and light transparent
<b>Installation</b>	Surface mounted

**Video Door Station ODS-100**

<b>Camera Sensor</b>	1/3 CMOS, AHD1080P HD camera, 2.2MM Lens
<b>Camera View Angle</b>	120-degree
<b>Resolution</b>	AHD 1080P
<b>LED</b>	Night vision compensation
<b>Operating Voltage</b>	12 VDC
<b>Current Draw</b>	200 mA (working) 30 mA (standby)
<b>Data Communication</b>	4-wire connection to monitor station
<b>Operating Temperature</b>	-20°C~60°C
<b>Dimensions</b>	135 x 88 x 35 mm
<b>Relay</b>	dry contact: NC, COM, NO
<b>Material Housing</b>	Aluminum alloy/ Silver Finish
<b>Weatherproof</b>	IP65
<b>Call buttons</b>	direct call, name plate and light transparent
<b>Installation</b>	Surface mounted



*GIANNI INDUSTRIES, INC.*


# ***EXIT BUTTONS & DEVICES***





# PPB & AS Push Buttons

	PPB Illuminated Push Buttons (Narrow/ANSI Size)				AS Push Buttons (ANSI Size)				
	PPB-103	PPB-104	PPB-106	PPB-110	AS-1141	AS-1142	AS-1145	AS-1151	AS-1144
Model									
Switch Contact	Momentary SPDT, 3A 125/250 VDC	Momentary SPDT, 3A 125/250 VDC	Momentary SPDT, 3A 125/250 VDC	Momentary SPDT, 5A 125/250 VAC	Momentary SPST, 2A/48VDC	Momentary SPST, 5mA/12VDC	Momentary SPST, 5mA/12VDC	Momentary SPDT, 1A/250VAC	Momentary DPDT, 5mA/12VDC
Button	Includes interchangeable Green/Red/Blue handicap lenses PPB-103 includes "EXIT" in English/French PPB-106 includes "EXIT," " PUSH TO EXIT" in English/French/Spanish				Stainless steel	Stainless steel (Large size button option)	Stainless steel (Large size button option)	Stainless steel Bi-color status LED ring	Stainless steel

	AS Push Buttons (ANSI Size)								
	AS-500	AS-1135	AS-1147	AS-1149	AS-1152	AS-1153	AS-1156	AS-1157	AS-1158
Model									
Switch Contact	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/250VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/250VAC
Button	Blue/Red/Green/White ABS	Green/Red/Blue	Stainless steel (Large size button option)	Green	Red LED illumination	Stainless steel plate with Green rim (Red/Blue rim option)	Green/Red	Green/Red	Green/Red





# PBT Push Buttons (ANSI Size)

Flush Mount Push Buttons (ANSI Size)					
	PBT-020B-4	PBT-060B	PBT-160B	PBT-180B	PBT-060BL
Model					
Switch Contact	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/250VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/250VAC, 6A/24VDC
Button	Stainless steel	Green/Red	Green	Green	Red LED illumination







Flush Mount Push Buttons (ANSI Size)				
	PBT-020B-2	PBT-020BJ	PBT-020B-LED	PBT-060B-TG
Model				
Switch Contact	Momentary SPST, 2A/48VDC	Momentary SPST, 5mA/12VDC	Momentary SPDT, 1A/250VAC	Maintained DPDT, 5A/125VAC
Button	Stainless steel	Stainless steel	Stainless steel Bi-color status LED ring	Red

# PBT Push Buttons (Narrow Size)

## Flush Mount Push Buttons (Narrow Size)

	PBT-020-4	PBT-025-4	PBT-026-4	PBT-010	PBT-010L	PBT-020-2
Model						
Switch Contact	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/250VAC, 6A/24VDC	Momentary DPDT, 5A/250VAC, 6A/24VDC	Momentary SPST, 2A/48VDC
Button	Stainless steel	Stainless steel	Stainless steel	Green	Red LED illumination	Stainless steel

## Flush Mount Push Buttons (Narrow Size)

	PBT-200-2	PBT-025J	PBT-026J	PBT-200J	PBT-020LED	PBT-200LED
Model						
Switch Contact	Momentary SPST, 2A/48VDC	Momentary SPST, 5mA/12VDC	Momentary SPST, 5mA/12VDC	Momentary SPST, 5mA/12VDC	Momentary SPDT, 1A/250VAC	Momentary SPDT, 1A/250VAC
Button	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel Bi-color status LED ring	Stainless steel Bi-color status LED ring




## Surface Mount Push Buttons (Narrow Size)

	PBT-100-4	PBT-080	PBT-100-LED	PBT-030	PBT-120-PTE
Model					
Switch Contact	Momentary DPDT, 5A/125VAC	Momentary SPST, 2A/48VDC	Momentary SPDT, 1A/250VAC	Momentary SPDT, 15A 125/ 250VAC	Piezo-electric, 2A/30VDC
Button	Stainless steel	Stainless steel	Stainless steel Bi-color status LED ring	All active Stainless steel	Stainless steel Bi-color status LED ring



# PBT Push Buttons (European Size)

## Flush Mount Push Buttons (European Size)

	PBT-450BS	PBT-451BS	PBT-860BS-G	PBT-861BS-B	PBT-8585BS-1
Model					
Switch Contact	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary SPST, 5mA/12VDC
Button	Green (Red/Blue color option)	Green (Red/Blue color option)	Stainless steel plate with Green rim (Red/Blue rim option)	Stainless steel plate with Blue rim (Red/Green rim option)	Stainless steel (Raised button option)

## Flush Mount Push Buttons (European Size)


	PBT-211UK	PBT-400BS	PBT-430BS	PBT-425BS	PBT-419PTE-LED
Model					
Switch Contact	Momentary DPDT, 5A 125/250 VAC	Momentary DPDT, 5A 125/250 VAC	Momentary DPDT, 5A 125/250 VAC	Momentary SPST, 5mA/12VDC	Momentary SPDT, 1A/250VAC
Button	Green	Green	Stainless steel	Stainless steel	Stainless steel, Bi-color status LED ring
Optional Message	"DOOR RELEASE"	"DOOR RELEASE", "PUSH TO EXIT"	"DOOR RELEASE", "PUSH FOR EXIT"	"DOOR RELEASE"	"DOOR RELEASE"

# PBT Push Buttons (European Size)


## Surface Mount Push Buttons (European Size)








	PBT-090-4	PBT-170	PBT-090-2	PBT-090-LED
Model				
Switch Contact	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary SPST, 2A/48VDC	Momentary SPDT, 1A/250VAC
Button	Stainless steel	Green	Stainless steel	Stainless steel, Bi-color status LED ring

## Surface Mount Push Buttons (White Plastic Cover)

	PBT-1000	PBT-1100	PBT-1150
Model			
Switch Contact	Momentary SPDT, 3A/120VAC or 24 VDC	Momentary SPDT, 3A/120VAC or 12 VDC	Momentary SPDT, 3A/120VAC or 12 VDC
Description	Configurable bi-color LED, Adjustable timer	No LED	Bi-color LED

# Weatherproof & Infrared Exit Devices

	Weatherproof Exit Button	Weatherproof Infrared Exit Button
Model	<b>PBT-090WP</b> 	<b>RTS-950</b> 
Description	<ul style="list-style-type: none"> <li>• Push to exit button</li> <li>• Easy to install</li> </ul>	<ul style="list-style-type: none"> <li>• Touchless activation, wave-to-exit</li> <li>• Easy to install</li> </ul>
Specifications	<ul style="list-style-type: none"> <li>• Momentary DPDT</li> <li>• Weatherproof IP 65, NEMA 4 / 4x / 13</li> </ul>	<ul style="list-style-type: none"> <li>• Relay rating 1A/30VDC</li> <li>• Sensor range 4 3/4" (120 mm) max.</li> <li>• Weatherproof IP 65, NEMA 4 / 4x / 13</li> </ul>

LED Illuminated - Round								
	RTS-020	RTS-020B	RTS-8585	RTS-700	RTS-800	RTS-970	RTS-970WT	
Model								
Description	Narrow size	ANSI size	European size	European size	ANSI size	5 1/4" x 5 1/4" x 1 3/16" <b>RTS-970WT</b> comes with a RF transmitter		
Specifications	<ul style="list-style-type: none"> <li>• Operating voltage: 12-24 VDC</li> <li>• Relay rating 1A/30VDC</li> </ul>		<ul style="list-style-type: none"> <li>• Sensor range 4 3/4" (120 mm) max.</li> <li>• Bi-color LED (Green/Red)</li> </ul>			<ul style="list-style-type: none"> <li>• Operating voltage: 12-24 VDC</li> <li>• Relay rating 1A/30VDC</li> <li>• Sensor range 3-15 cm</li> <li>• Bi-color LED (Red/Green)</li> </ul>		

# Wave Sense Infrared Exit Devices

## Low Key Design






	RTS-500	RTS-550	RTS-870
Model			
Description	<ul style="list-style-type: none"> <li>• European size</li> <li>• Emergency exit button</li> <li>• Bi-color status LED</li> <li>• Surface mount option <b>RTS-500-S</b></li> <li>• Relay rating 3A 125VAC/30VDC</li> <li>• Sensor range 10 cm</li> </ul>	<ul style="list-style-type: none"> <li>• European size</li> <li>• Emergency exit button</li> <li>• Bi-color status LED</li> <li>• Surface mount option <b>RTS-550-S</b></li> <li>• Relay rating 1A/125VAC, 2A/30VDC</li> <li>• Sensor range 5~7 cm</li> </ul>	<ul style="list-style-type: none"> <li>• European size</li> <li>• Bi-color status LED</li> <li>• Sensor range 3~15 cm</li> <li>• Relay rating 1A/125VAC, 2A/30VDC</li> </ul>

## Low Key Design

	RTS-600	RTS-650	RTS-880
Model			
Description	<ul style="list-style-type: none"> <li>• ANSI size</li> <li>• Emergency exit output</li> <li>• Bi-color status LED</li> <li>• Surface mount option <b>RTS-600-S</b></li> <li>• Relay rating 3A 125VAC/30VDC</li> <li>• Sensor range 3 15/16" (10 cm)</li> </ul>	<ul style="list-style-type: none"> <li>• ANSI size</li> <li>• Bi-color status LED</li> <li>• Surface mount option <b>RTS-650-S</b></li> <li>• Relay rating 1A/125VAC, 2A/30VDC</li> <li>• Sensor range 5~7 cm</li> </ul>	<ul style="list-style-type: none"> <li>• ANSI size</li> <li>• Bi-color status LED</li> <li>• Surface mount option <b>RTS-880S</b></li> <li>• Sensor range 3~15 cm</li> <li>• Relay rating 1A/125VAC, 2A/30VDC</li> </ul>

# Infrared & Wireless Exit Devices

Glossy White (Plastic White Cover)			
Model	<p><b>RTS-850</b></p> 	<p><b>RTS-860</b></p> 	<p><b>RTS-900</b></p> 
Description	<ul style="list-style-type: none"> <li>• ANSI size</li> <li>• Bi-color status LED</li> <li>• Surface mount option <b>RTS-850S</b></li> <li>• Sensor range 3~15 cm</li> <li>• Relay rating 1A/125VAC, 2A/30VDC</li> </ul>	<ul style="list-style-type: none"> <li>• European size</li> <li>• Bi-color status LED</li> <li>• Surface mount option <b>RTS-860S</b></li> <li>• Sensor range 3~15 cm</li> <li>• Relay rating 1A/125VAC, 2A/30VDC</li> </ul>	<ul style="list-style-type: none"> <li>• European size</li> <li>• Configurable bi-color LED</li> <li>• Sensor range 5~7 cm</li> <li>• Contact rating 1A/30VDC max.</li> </ul>

Wireless Exit Devices					
Model	<p><b>S-RC-WPB-025JS</b></p> 	<p><b>S-TM-WPB-100</b></p> 	<p><b>S-TM-WPB-025JS</b></p> 	<p><b>S-TM-WPB-900</b></p> 	<p><b>S-TM-WPB-090WP</b></p> <p><i>NEW</i></p> 
Description	<p><b>Wireless Controller</b> Uses RF code-hopping technology 83 x 62 x 30 mm</p>	<p><b>Remote Transmitter</b> 54.5 x 29.5 x 12 mm</p>	<p><b>Push Button Transmitter</b> 115 x 40 x 32 mm</p>	<p><b>Push Button Transmitter</b> 130 x 130 x 72 mm</p>	<p><b>Push Button Transmitter</b> 89.5 x 85 x 58 mm Enclosure Rating: IP65 NEMA 4/4x/13</p>
Specifications	<ul style="list-style-type: none"> <li>• Input voltage 12 to 24 VDC</li> <li>• Accommodates 15 transmitters</li> </ul>				<p>Battery voltage 12 VDC, Frequency 433.3 MHz, Transmitting distance 50 to 60 meters</p>

EXIT BUTTONS & DEVICES

# Door Release Exit Devices & Motion Sensor Switch

Dual Exit Units (Combined Exit Button & Call Point)		Microwave Motion Sensor Switch		
Model	<b>PBS-P430C1</b> 	<b>PBS-P430C2</b> 	<b>MCS-HR50</b> 	<b>MCS-425</b> 
Description	<ul style="list-style-type: none"> <li>Stainless steel push button &amp; faceplate</li> <li>Break glass call point</li> </ul>	<ul style="list-style-type: none"> <li>Stainless steel push button &amp; faceplate</li> <li>Resettable call point</li> </ul>	<ul style="list-style-type: none"> <li>Microwave Motion Detection - K-Band 24.125Ghz</li> <li>Input voltage 12 - 30 VDC, 12 - 24 VAC</li> <li>LED indication</li> <li>Width and depth detection zone adjustable</li> <li>IP54</li> <li>120 x 70 x 41.5 mm</li> </ul>	<ul style="list-style-type: none"> <li>Microwave Motion Detection -10.525GHz</li> <li>Input voltage 12 - 24 VAC/DC</li> <li>Proximity range up to 7 meters</li> <li>Adjustable timer&amp;sensor output</li> <li>Relay rating 3A/120VAC, 3A/24VDC</li> <li>122.5 x 72 x 63 mm</li> </ul>
Specifications	Horizontal/Vertical installation, Double gang surface back box, Double pole switch, Contact rating 5A 125/250 VAC, LED Indicator, 187.5 x 90 x 40 mm			

Micro Switch Push Bars				
Model	<b>PBA-860</b> 	<b>PBA-860DE</b> 	<b>NEW</b> <b>PBA-860LD</b> 	<b>NEW</b> <b>PBA-860LDT</b> 
Description	<ul style="list-style-type: none"> <li>Non-latching</li> <li>US28/Gloss green finish</li> <li>875 x 66 x 61.5 mm (<b>PBA-600</b>: 600 x 66 x 61.5 mm)</li> </ul>	<ul style="list-style-type: none"> <li>Delay egress</li> <li>Non-latching</li> <li>US28/Gloss green finish</li> <li>875 x 66 x 61.5 mm (<b>PBA-600DE</b>: 600 x 66 x 61.5 mm )</li> </ul>	<ul style="list-style-type: none"> <li>Non-latching</li> <li>US28 finish</li> <li>Bi-color LED indicator</li> <li>875 x 66 x 61.5 mm (<b>PBA-600LD</b>: 600 x 66 x 61.5 mm)</li> </ul>	<ul style="list-style-type: none"> <li>Non-latching</li> <li>US28 finish</li> <li>Bi-color LED indicator</li> <li>Time delay and buzzer</li> <li>875 x 66 x 61.5 mm (<b>PBA-600LDT</b>: 600 x 66 x 61.5 mm)</li> </ul>



# Touch Sense Exit Buttons & Back Boxes

## Touch Sense Exit Buttons

	BTS-400-ANSI	BTS-486	BTS-115-ANSI	BTS-85UK	BTS-100	BTS-300
Model						
Description	ANSI size	European size	ANSI size	European size	European size	Narrow size
Faceplate/ Housing	Stainless steel	Stainless steel	White plastic	White plastic	White plastic	Stainless steel
LED	Bi-color Red/Green LED ring	Bi-color Red/Green LED ring	Red & Green LEDs	Red & Green LEDs	Red & Green LEDs	Bi-color Red/Green LED ring
Mount	Flush	Flush	Flush Surface mount option <b>BTS-115-S</b>	Flush	Surface	Flush






## Optional Back Boxes for Push/Exit Buttons

	ANSI Size			European Size		Narrow Size
	SMB-050	SMB-101	SMB-750	SMB-86ALU	PBS-86G	SMB-040
Model						
Finish	Stainless steel, Silver	Plastic, Black/White	Metal	Aluminum, Silver	Plastic, Green	Plastic, Black
Dimensions (mm)	116 x 70 x 45	114 x 70 x 30	114 x 70 x 32	85.5 x 85.5 x 38	90 x 90 x 50	115 x 43 x 32

EXIT BUTTONS & DEVICES

# Push Plate Exit Buttons

Push Plate Exit Buttons (Stainless Steel Push Plate & Aluminum Back Box)				
	PBT-900ALU-1	PBT-900ALU-2	PBT-900ALU-3	PBT-900ALU-4
Model				
Switch Contact	Momentary SPDT, 15A 125/250 VAC	Momentary SPDT, 15A 125/250 VAC	Momentary SPDT, 15A 125/250 VAC	Momentary SPDT, 15A 125/250 VAC
Plastic Back Box Model	<b>PBT-900-1</b>	<b>PBT-900-2</b>	<b>PBT-900-3</b>	<b>PBA-900-4</b>
Dimensions (mm)	115 x 115 x 69.5 (PBT-900-1: 130 x 130 x 72 )	115 x 115 x 69.5 (PBT-900-2: 130 x 130 x 72 )	115 x 115 x 69.5 (PBT-900-3: 130 x 130 x 72 )	115 x 115 x 69.5 (PBT-900-4: 130 x 130 x 72 )

	Push Plate Illuminated Exit Buttons (Stainless Steel Push Plate & Plastic Back Box)				All Function Push Plate
	PBT-925BLED	PBT-926BLED	PBT-930	PBT-940WT	LHS-250
Model					
Switch Contact	Momentary SPDT, 0.5A/120VAC, 1A/24VDC	Momentary SPDT, 0.5A/120VAC, 1A/24VDC	Momentary SPDT, 0.5A/120VAC, 1A/24VDC	Momentary SPDT, 0.5A/120VAC, 1A/24VDC	Momentary DPDT, 5A 125/250 VAC
LED/Description	Bi-color Blue/Red status LED	Bi-color Blue/Red status LED	Bi-color Green/Red status LED	Used with wireless receiver Bi-color Green/Red status LED	All active elbow exit button Bi-color Green/Red status LED
Optional Models	<b>PBT-925GLED</b> (Bi-color Green/Red status LED) <b>PBT-925</b> (No LED, SPDT, 15A 125/250 VAC)	<b>PBT-926GLED</b> (Bi-color Green/Red status LED) <b>PBT-926</b> (No LED, SPDT, 15A 125/250 VAC)	<b>PBT-950</b> ( Bi-color Blue/Red status LED) <b>PBT-920</b> (No LED, SPDT, 15A 125/250 VAC)	<b>BT-960WT</b> (Bi-color Blue/Red status LED)	—
Dimensions (mm)	133 x 133 x 30	133 x 133 x 30	133 x 133 x 30	133 x 133 x 30	250 x 95 x 22











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# ***CALL POINTS***

# CALL POINTS

	Break Plastic Glass Call Points		
<b>Model</b>	<b>CP-31GP-UC</b> 	<b>CP-34GP-UC</b> 	<b>CP-34GPBZ-LB-UC</b> 
<b>Switch Pole</b>	Double pole	Quadruple pole	Triple pole
<b>Contact Rating</b>	5A 125/250 VAC	5A 125/250 VAC	5A 125/250 VAC
<b>Buzzer</b>	No	No	Yes
<b>12/24 VDC input Terminal</b>	No	No	Yes
<b>Backlight</b>	—	—	Blue/Green or Blue/Red illumination
<b>Case Colors</b>			
<b>Terminal Block Connector</b>	No	No	No
<b>Dimensions (mm)</b>	87 x 87 x 55	87 x 87 x 55	87 x 87 x 55
<b>Accessories</b>	Plastic glass, Clear plastic cover, Test key	Plastic glass, Clear plastic cover, Test key	Plastic glass, Clear plastic cover, Test key

# CALL POINTS

	Resettable Call Points			
<b>Model</b>	<p>CP-32G CP-33G</p> 	<p>CP-32G-LB</p> 	<p>CP-32GBZ-LB CP-33GBZ-LB</p> 	<p>CP-32GBZ-LB-ALM</p> 
<b>Switch Pole</b>	Double pole			
<b>Contact Rating</b>	5A 125/250 VAC			
<b>Buzzer (BZ)</b>	No	No	Yes	Yes
<b>Alarm (ALM)</b>	No	No	No	Yes
<b>Backlight (LB)</b>	—	Blue illumination	Blue illumination	Blue illumination
<b>Case Colors</b>				
<b>Terminal Block Connector</b>	CP-33G Only	No	CP-33GBZ-LB Only	No
<b>Dimensions (mm)</b>	91 x 87 x 53	91 x 87 x 53	91 x 87 x 53	91 x 87 x 53
<b>Accessories</b>	Resettable key, Clear plastic cover	Resettable key, Clear plastic cover	Resettable key, Clear plastic cover	Resettable key Clear plastic cover Bead cable tie

# CALL POINTS

	Resettable Call Points		
	CP-42GBZ-LB-ALM	CP-42G-LB	CP-42GBZ-LB
Model			
Switch Pole	Double pole		
Contact Rating	5A 125/250 VAC	3A 125VAC / 1.5A 250VAC	
Buzzer (BZ)	ON/OFF selectable	No	Yes
Alarm (ALM)	Yes	No	No
Backlight (LB)	Green/Red illumination (ON/OFF selectable)	Green/Red illumination	Green/Red illumination
Case Colors			
Terminal Block Connector	No	No	No
Dimensions (mm)	91 x 87 x 53	91 x 87 x 53	91 x 87 x 53
Accessories	Resettable key Clear plastic cover Bead cable tie	Resettable key, Clear plastic cover	Resettable key, Clear plastic cover

# CALL POINTS

	Resettable Call Points		
	<b>CP-43BZ-LB</b>	<b>CP-44-LB</b>	<b>NEW</b> <b>CP-45BZ-LB</b>
<b>Model</b>			
<b>Switch Pole</b>	Triple pole	Quadruple pole	Triple pole
<b>Contact Rating</b>	3A 125VAC / 1.5A 250VAC		
<b>Buzzer (BZ)</b>	Yes	No	Yes
<b>Alarm (ALM)</b>	No	No	No
<b>Backlight (LB)</b>	Green/Red illumination	Green/Red illumination	Green/Red illumination
<b>Case Colors</b>			
<b>Terminal Block Connector</b>	No	No	No
<b>Dimensions (mm)</b>	91 x 87 x 53	91 x 87 x 53	91 x 87 x 53
<b>Accessories</b>	Resettable key, Clear plastic cover	Resettable key, Clear plastic cover	Resettable key, Clear plastic cover



*GIANNI INDUSTRIES, INC.*

# *KEY SWITCHES*

# KEY SWITCHES

## ANSI Standard

	KS-500	KS-700W & KS-700WW	KS-750 & KS-750LD	KS-780 & KS-780LD	KS-790 & KS-790LD
<b>Model</b>					 <b>NEW</b>
<b>Switch Contact</b>	SPDT	SPDT	DPDT ( <b>KS-750</b> ) SPDT ( <b>KS-750LD</b> )	3PDT ( <b>KS-780</b> ) DPDT ( <b>KS-780LD</b> )	3PDT ( <b>KS-790</b> ) DPDT ( <b>KS-790LD</b> )
<b>Contact Rating</b>	16(4)A/250VAC	5A/125VAC	5A/125VAC	5A/125VAC	5A/125VAC
<b>Switch Type</b>	Momentary	Maintained Momentary (please specify)	Maintained Momentary ( <b>KS-760</b> )	Maintained	Momentary
<b>Surface Mount</b>	<b>KS-500-S</b>	<b>KS-700WS</b> <b>KS-700WSW</b>	<b>KS-750-S / KS-750LD-S</b> <b>KS-760-S</b>	<b>KS-780-S</b> <b>KS-780LD-S</b>	<b>KS-790-S</b> <b>KS-790LD-S</b>
<b>LED</b>	No	No	<b>KS-750LD</b> Models	<b>KS-780LD</b> Models	<b>KS-790LD</b> Models
<b>Cylinder &amp; Keys</b>	<b>KS-500-C</b> <b>KS-500-S-C</b>	<b>KS-700W-C / KS-700WW-C</b> <b>KS-700WS-C / KS-700WSW-C</b>	<b>KS-750-C / KS-750-S-C</b> <b>KS-750LD-C / KS-750LD-S-C</b> <b>KS-760-C / KS-760-S-C</b>	<b>KS-780-C / KS-780LD-C</b> <b>KS-780-S-C / KS-780LD-S-C</b>	<b>KS-790-C / KS-790LD-C</b> <b>KS-790-S-C / KS-790LD-S-C</b>
<b>Faceplate Material</b>	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
<b>Dimensions</b>	4 1/2" x 2 3/4" x 1 3/8" (114 x 69.7 x 35 mm)	4 1/2" x 2 3/4" x 1 3/8" (114 x 69.7 x 35 mm)	4 1/2" x 2 3/4" x 1 3/8" (114 x 69.7 x 35 mm)	4 1/2" x 2 3/4" x 1 3/8" (114 x 69.7 x 35 mm)	4 1/2" x 2 3/4" x 1 3/8" (114 x 69.7 x 35 mm)

# KEY SWITCHES

	European Standard			Narrow Stile
Model	KS-7510A 	KS-800 & KS-800LD 	KS-860 	KS-900 & KS-900LD 
Switch Contact	SPDT	DPDT (KS-800 & KS-810) SPDT (KS-800LD & KS-810LD)	SPDT	DPDT (KS-900 & KS-910) SPDT (KS-900LD & KS-910LD)
Contact Rating	4A/125VAC	5A/125VAC	5A/125VAC	5A/125VAC
Switch Type	Momentary	Maintained Momentary (KS-810)	Maintained Momentary (please specify)	Maintained Momentary (KS-910)
Surface Mount	KS-7510A-S	KS-800-S / KS-800LD-S Models KS-810-S / KS-810LD-S Models	KS-860-S / KS-860-S-C	KS-900-S / KS-900LD-S Models KS-910-S / KS-910LD-S Models
LED	No	KS-800LD Models KS-810LD Models	No	KS-900LD Models KS-910LD Models
Cylinder & Keys	Yes	KS-800-C / KS-800LD-C Models KS-810-C / KS-810LD-C Models	KS-860-C KS-860-S-C	KS-900-C / KS-900LD-C Models KS-910-C / KS-910LD-C Models
Faceplate Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Dimensions	3 3/8" x 3 3/8" x 1 7/8" (86.3 x 86.3 x 47 mm)	3 3/8" x 3 3/8" x 1 7/8" (86.3 x 86.3 x 47 mm)	3 3/8" x 3 3/8" x 1 7/8" (86.3 x 86.3 x 47 mm)	4 5/16" x 1" x 1 1/2" (109.5 x 52 x 37.5 mm)











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# ***ELECTROMAGNETIC DOOR HOLDERS***

# ELECTROMAGNETIC DOOR HOLDERS

## ANSI Standard

	GD900F	GD900W	GD900WE	GD950	GD970	GD990
<b>Model</b>						
<b>Voltage</b>	24 VAC/DC (12 VAC/DC available by special order)			Dual 12/24 VDC and 110~220 VAC		
<b>Holding Force (lbs)</b>	80				32.9 (VDC) or 38.8 (VAC)	
<b>Manual Release Button</b>	Yes	No	Yes	No		
<b>Mount</b>	Floor	Flush Wall	Flush Wall	Flush Wall	Flush Wall	Flush Wall
<b>Finish</b>	Black	Stainless steel	Stainless steel	Silver / Black	Silver	Stainless steel
<b>LED</b>	No	No	Yes	Yes	No	
<b>Armature Plate Type</b>	Swivel					
<b>Extention Rod Application</b>	Yes			No		
<b>Surface Mount Option</b>	—	Pair with <b>SMB-050</b> as <b>GD900WS</b>	Pair with <b>SMB-050</b> as <b>GD900WES</b>	<b>GD950S</b>	<b>GD970S</b>	Pair with <b>SMB-050</b> as <b>GD990S</b>
<b>UL Certifications</b>	UL 228, ULC C228	UL 228, ULC C228	—	—	UL 228, ULC C228	UL 228, ULC C228

# ELECTROMAGNETIC DOOR HOLDERS

	European Standard				Euro Standard High Security
Model	GD640S	GD840S	GD850F	GD860S	RM90
Model					
Voltage	24 VDC (12 VDC available by special order)				24 VDC or dual 12/24 VDC (12 VDC by special order)
Holding Force (lbs)	70	80	80	80	550
Manual Release Button	Yes	Yes	Yes	Yes	No
Mount	Flush Wall	Surface Wall	Floor	Surface Wall	Surface Wall
Finish	Stainless steel	Black	Black	White	White
LED	Yes	Yes	Yes	Yes	No
Armature Plate Type	Swivel	Swivel/Self-adjustable	Swivel/Self-adjustable	Swivel/Self-adjustable	Fixed
Extention Rod Application	Yes	No	No	No	No
Bond Sensor Option	No	No	No	No	Yes

ELECTROMAGNETIC DOOR HOLDERS



*GIANNI INDUSTRIES, INC.*

# ***SINGLE DOOR ACCESS CONTROL KITS***

# WIRELESS POWER TRANSFER

The WLP series adopts inductive coupling through an advanced infrared technology to transfer power wirelessly across the door gap to power electrified locks. Installation is made simple and less time consuming.

## Standard Features

- No need to core drill the door, nor worry about broken wires
- Door status output & lock status output
- Works with fail-secure electrified locks/latches (Up to 30 seconds of power for intermittent duty)
- Flexible mounting positions
- Infrared signal indicator light
- For wood and metal doors (Mounting tabs included for metal door installation)









## Specifications

- Input Power (Frame Side):  
27.6VDC / 1.5A **WLP-100**  
13.8VDC/ 1.5A **WLP-150**
- Output Power (Door Side):  
800mA/12VDC; 400mA/24VDC **WLP-100**  
600mA/12VDC **WLP-150**
- Maximum Door Gap:  
3/16" (4~5mm)
- Maximum Misalignment Tolerance:  
- Horizontal & Vertical : 1/16" (1mm)  
- IR sensing: 1/16" (1mm)



# ACCESS CONTROL ACCESSORIES

## Power Transfer Door Loops (Surface Mount)


Model	Description	Length of Conduit	Model	Description	Length of Conduit
 <p>DL-200A-30 DL-200A-40 DL-200A-50</p>	<ul style="list-style-type: none"> <li>● Aluminum end caps</li> <li>● Armored stainless steel flex conduit</li> </ul>	11 13/16" (300 mm) 15 3/4" (400 mm) 19 11/16" (500 mm)	 <p>DL-350-40-BA</p>	<ul style="list-style-type: none"> <li>● Armoured flex conduit</li> <li>● Armored stainless steel flex conduit</li> <li>● Black finish</li> </ul>	15 3/4" (400mm)
 <p>DL-200P-30 DL-200P-40 DL-200P-50</p>	<ul style="list-style-type: none"> <li>● Silver plastic end caps</li> <li>● Armored stainless steel flex conduit</li> <li>● Optional finishes: Black, White (For 500 mm length of conduit)</li> </ul>	11 13/16" (300 mm) 15 3/4" (400 mm) 19 11/16" (500 mm)	 <p>DL-350SP-40 DL-350SP-60</p>	<ul style="list-style-type: none"> <li>● Aluminum end caps</li> <li>● Armored spring steel flex conduit</li> </ul>	15 3/4" (400 mm) 23 5/8" (600 mm)
 <p>DL-330-40</p>	<ul style="list-style-type: none"> <li>● Aluminum end caps</li> <li>● Armored stainless steel flex conduit</li> </ul>	15 3/4" (400 mm)	 <p>DL-370</p>	<ul style="list-style-type: none"> <li>● Aluminum end boxes</li> <li>● Armored stainless steel flex conduit</li> <li>● Silver finish</li> <li>● Patented</li> </ul>	15 3/4" (400 mm)
 <p>DL-350-40 DL-350-46 DL-350-50 DL-350-60 DL-350-71 DL-350-85</p>	<ul style="list-style-type: none"> <li>● Aluminum end caps</li> <li>● Armored stainless steel flex conduit</li> </ul>	15 3/4" (400 mm) 18 1/8" (460 mm) 19 11/16" (500 mm) 23 5/8" (600 mm) 27 15/16" (710 mm) 33 7/16" (850 mm)	 <p>DL-370-US40</p>	<ul style="list-style-type: none"> <li>● Aluminum end boxes</li> <li>● Armored stainless steel flex conduit</li> <li>● US 40 finish</li> <li>● Patented</li> </ul>	15 3/4" (400 mm)

# ACCESS CONTROL ACCESSORIES

Power Transfer Door Loops (Mortise Mount)		
Model	Description	Dimensions
 <b>DL-400</b>	<ul style="list-style-type: none"> <li>• Steel case</li> <li>• Nickel-plated steel flex conduit</li> </ul>	11 7/16" x 15/16" x 5/8" (290 x 24.5 x 16.3 mm)
 <b>DL-417ST</b>	<ul style="list-style-type: none"> <li>• Stainless steel case</li> <li>• Stainless steel flex conduit</li> <li>• For metal frames</li> </ul>	11 7/16" x 15/16" x 13/16" (290 x 24.5 x 20 mm)
 <b>DL-500</b> <b>DL-500MP</b>	<ul style="list-style-type: none"> <li>• Zinc alloy case</li> <li>• Stainless steel flex conduit</li> <li>• For wood frames</li> </ul>	11 1/2" x 1" x 11/16" (292 x 24.8 x 18 mm)

Power Transfer Door Loops with Terminal Boards		
Model	Description	Dimensions
 <b>DL-360TB</b>	<ul style="list-style-type: none"> <li>• Aluminum end boxes</li> <li>• Armored stainless steel flex conduit</li> <li>• Includes terminal boards</li> <li>• Patented</li> </ul>	Length of conduit 15 3/4" (400 mm)
 <b>DL-417ST-TB</b>	<ul style="list-style-type: none"> <li>• Stainless steel case</li> <li>• Stainless steel flex conduit</li> <li>• Includes terminal boards</li> <li>• For metal frames</li> </ul>	12 5/8" x 1" x 2 1/6" (320 x 25 x 53 mm)
 <b>DL-500-TB</b>	<ul style="list-style-type: none"> <li>• Zinc alloy case in ivory finish</li> <li>• Stainless steel flex conduit</li> <li>• Includes terminal boards</li> <li>• For wood frames</li> <li>• Patented</li> </ul>	12 5/8" x 15/16" x 2 3/16" (320 x 24.5 x 55 mm)

# ACCESS CONTROL ACCESSORIES

LED Indicator Lights					
Model	Description	Faceplate Material	Model	Description	Faceplate Material
 <p><b>TLM-100TB</b></p>	<ul style="list-style-type: none"> <li>•Narrow size</li> <li>•Red &amp; Green LEDs for lock status</li> <li>•Flush mount</li> <li>(Surface mount option <b>TLM-100TBS</b>)</li> </ul>	Stainless steel	 <p><b>TLM-600N</b></p>	<ul style="list-style-type: none"> <li>•Narrow size</li> <li>•Red &amp; Green LEDs for lock status</li> <li>•Flush mount</li> <li>(Surface mount option <b>TLM-600NS</b>)</li> </ul>	Stainless steel
 <p><b>TLM-300</b></p>	<ul style="list-style-type: none"> <li>•Narrow size</li> <li>•Red &amp; Green LEDs for lock status</li> <li>•Flush mount</li> <li>(Surface mount option <b>TLM-300S</b>)</li> <li>•Push button included</li> </ul>	Zinc alloy	 <p><b>TLM-600-4</b></p>	<ul style="list-style-type: none"> <li>•Narrow size</li> <li>•Red &amp; Green LEDs for lock status</li> <li>•Flush mount</li> <li>(Surface mount option <b>TLM-600-S-4</b>)</li> <li>•Push button included</li> </ul>	Stainless steel
 <p><b>TLM-400</b></p>	<ul style="list-style-type: none"> <li>•Narrow size</li> <li>•Red &amp; Green LEDs for lock status</li> <li>•Flush mount</li> <li>(Surface mount option <b>TLM-400S</b>)</li> </ul>	Zinc alloy	 <p><b>TLM-200TB</b></p>	<ul style="list-style-type: none"> <li>•European size</li> <li>•Red &amp; Green LEDs for lock status</li> <li>•Flush mount</li> <li>(Surface mount option <b>TLM-200TBS</b>)</li> </ul>	Stainless steel














# ACCESS CONTROL ACCESSORIES

## Magnetic Contacts

Model	Description	Model	Description
 <p><b>GMC-1012</b></p>	<ul style="list-style-type: none"> <li>• Loop Type: Closed</li> <li>• Reed Form: N/O</li> <li>• Closed Gap (mm): 3/4 (19)</li> <li>• Depature Gap (mm): 0.8 (20)</li> <li>• Maximun Initial Contact Resistance (Ohm): 0.150</li> <li>• Maximun Contact Rating (W): 10</li> <li>• Maximun Switching Voltage (VDC/VAC): 100</li> <li>• Maximun Switching Current (A): 0.5</li> </ul>	 <p><b>GMC-2022</b></p>	<ul style="list-style-type: none"> <li>• Loop Type: Closed</li> <li>• Reed Form: N/O</li> <li>• Closed Gap (mm): 1.18 (30)</li> <li>• Depature Gap (mm): 1.3 (33)</li> <li>• Maximun Initial Contact Resistance (Ohm): 0.150</li> <li>• Maximun Contact Rating (W): 10</li> <li>• Maximun Switching Voltage (VDC/VAC): 100</li> <li>• Maximun Switching Current (A): 0.5</li> </ul>
 <p><b>GMC-1013</b></p>	<ul style="list-style-type: none"> <li>• Loop Type: Closed</li> <li>• Reed Form: N/O</li> <li>• Closed Gap (mm): 1 (25)</li> <li>• Depature Gap (mm): 1.1 (28)</li> <li>• Maximun Initial Contact Resistance (Ohm): 0.150</li> <li>• Maximun Contact Rating (W): 10</li> <li>• Maximun Switching Voltage (VDC/VAC): 100</li> <li>• Maximun Switching Current (A): 0.5</li> </ul>	 <p><b>GMC-2031</b></p>	<ul style="list-style-type: none"> <li>• Loop Type: Closed</li> <li>• Reed Form: N/O</li> <li>• Closed Gap (mm): 1.1 (28)</li> <li>• Depature Gap (mm): 1.3 (33)</li> <li>• Maximun Initial Contact Resistance (Ohm): 0.150</li> <li>• Maximun Contact Rating (W): 10</li> <li>• Maximun Switching Voltage (VDC/VAC): 100</li> <li>• Maximun Switching Current (A): 0.5</li> </ul>
 <p><b>GMC-1022</b></p>	<ul style="list-style-type: none"> <li>• Loop Type: Closed</li> <li>• Reed Form: N/O</li> <li>• Closed Gap (mm): 0.85 (22)</li> <li>• Depature Gap (mm): 0.95 (24)</li> <li>• Maximun Initial Contact Resistance (Ohm): 0.150</li> <li>• Maximun Contact Rating (W): 7.5</li> <li>• Maximun Switching Voltage (VDC/VAC): 100</li> <li>• Maximun Switching Current (A): 0.4</li> </ul>	 <p><b>GMC-2071</b></p>	<ul style="list-style-type: none"> <li>• Loop Type: Closed</li> <li>• Reed Form: N/O</li> <li>• Closed Gap (mm): 1.5 (38)</li> <li>• Depature Gap (mm): 1.65 (42)</li> <li>• Maximun Initial Contact Resistance (Ohm): 0.150</li> <li>• Maximun Contact Rating (W): 7.5</li> <li>• Maximun Switching Voltage (VDC/VAC): 100</li> <li>• Maximun Switching Current (A): 0.4</li> </ul>
 <p><b>GMC-1032T</b></p>	<ul style="list-style-type: none"> <li>• Loop Type: Closed</li> <li>• Reed Form: N/O</li> <li>• Gap (total travel) (mm): 1/4 (6)</li> <li>• Maximun Initial Contact Resistance (Ohm): 0.150</li> <li>• Maximun Contact Rating (W): 10</li> <li>• Maximun Switching Voltage (VDC/VAC): 100</li> <li>• Maximun Switching Current (A): 0.5</li> </ul>	 <p><b>GMC-2071AR</b></p>	<ul style="list-style-type: none"> <li>• Loop Type: Closed</li> <li>• Reed Form: N/O</li> <li>• Closed Gap (mm): 1.5 (38)</li> <li>• Depature Gap (mm): 1.65 (42)</li> <li>• Maximun Initial Contact Resistance (Ohm): 0.150</li> <li>• Maximun Contact Rating (W): 7.5</li> <li>• Maximun Switching Voltage (VDC/VAC): 100</li> <li>• Maximun Switching Current (A): 0.4</li> </ul>

# ACCESS CONTROL ACCESSORIES

Door Latches		Door Control Modules		Rectifier Gadgets	
Model	Description	Model	Description	Model	Description
  <p><b>GPD-6P</b></p>	<ul style="list-style-type: none"> <li>• Voltage Input 12~24VDC</li> <li>• Input Voltage = Output Voltage</li> <li>• Each output with PPTC (0.5A)</li> <li>• 6 sets of output contacts (for electric locks) and each with COM/NO contacts for REX.</li> </ul>	 <p><b>DBR-200</b></p>	<p><b>Versatile Relay Module</b></p> <ul style="list-style-type: none"> <li>• DPDT changeover contacts</li> <li>• Relay output rating 250VAC/5A; 24VDC/5A</li> </ul>	 <p><b>SM1224-1A-N</b></p>	<ul style="list-style-type: none"> <li>• Input voltage 12 to 24VAC/DC</li> <li>• Output voltage 1A/12VDC</li> <li>• Regulates voltage to prolong operational life of solenoids</li> <li>• Output status LED</li> </ul>
 <p><b>ILM-200</b></p>	<p><b>2 Door interlock Module</b></p> <ul style="list-style-type: none"> <li>• Controls the opening of 2 doors</li> <li>• Used in high security or confidential areas</li> </ul>	 <p><b>DBR-200-JP</b></p>	<p><b>Relay Module</b></p> <ul style="list-style-type: none"> <li>• A set of power input (wet contact input) and a dry input to connect 2 relay dry outputs</li> <li>• Relay output rating 250VAC/5A; 24VDC/5A</li> </ul>	 <p><b>SM1224BZ-1A</b></p>	<ul style="list-style-type: none"> <li>• Input voltage 12 to 24VAC/DC</li> <li>• Output voltage 1A/12VDC</li> <li>• Regulates voltage to prolong operational life of solenoids</li> <li>• Output status LED</li> <li>• Built-in buzzer</li> </ul>
 <p><b>ILM-300</b></p>	<p><b>3 Door interlock Module</b></p> <ul style="list-style-type: none"> <li>• Egress control for a 3-door configuration (or short a set of reed switch for 2 doors)</li> <li>• Works with both fail-safe and fail-secure locks</li> </ul>	 <p><b>FFP-1224-7A</b></p>	<p><b>Fire Alarm Relay Module</b></p> <ul style="list-style-type: none"> <li>• Fire alarm release module</li> <li>• For fail-safe/fail-secure devices</li> <li>• Relay rating 7A/30VDC</li> </ul>	 <p><b>SM1224-TBZ</b></p>	<ul style="list-style-type: none"> <li>• Input voltage 12 to 24VAC/DC</li> <li>• Output voltage 1A/12VDC</li> <li>• Regulates voltage to prolong operational life of solenoids</li> <li>• Output status LED</li> <li>• Built-in buzzer</li> <li>• Anti-tailgate function</li> <li>• Relock time delay</li> </ul>
				 <p><b>CPP912</b></p>	<ul style="list-style-type: none"> <li>• Input voltage 12 to 32 VDC or 12 to 24 VAC</li> <li>• Regulates voltage to prolong operational life of solenoids</li> <li>• For fail-safe electric strikes</li> </ul>
				 <p><b>CPP1824</b></p>	<ul style="list-style-type: none"> <li>• Input voltage 24 to 33 VAC/DC</li> <li>• Regulates voltage to prolong operational life of solenoids</li> <li>• For fail-safe electric strikes</li> </ul>

# ACCESS CONTROL ACCESSORIES

## Magnetic Contacts

Model	Description	Model	Description
 <p><b>LS-1802GF</b></p>	<ul style="list-style-type: none"> <li>Stainless steel latchbolt</li> <li>Zinc alloy construction &amp; faceplate</li> <li>For wood doors</li> </ul>	<p><b>NEW</b></p>  <p><b>CPT-100Y</b></p>	<ul style="list-style-type: none"> <li>Power Supply: DC12V~24V (±15%)</li> <li>Flashing Current: ≤35mA</li> <li>Alarm Current: ≤30mA</li> <li>Alarm Volume: 78dB (0.5m distance)</li> <li>Sound Effect: 4 Options</li> <li>IP Rating: IP44</li> <li>Light Colour: Red/Green/Blue/Yellow</li> <li>Dimension: 90x86mm</li> <li>Weight: 104.3g</li> </ul>
 <p><b>LS-2200</b></p>	<ul style="list-style-type: none"> <li>Stainless steel latchbolt</li> <li>Anti-friction roller bolt design</li> <li>Aluminum alloy construction</li> <li>Stainless steel faceplate</li> <li>For wood doors</li> </ul>	<p><b>NEW</b></p>  <p><b>CPT-101R</b></p>	<ul style="list-style-type: none"> <li>Power Supply: DC12V~24V (±15%)</li> <li>Flashing Current: ≤35mA</li> <li>Alarm Current: ≤30mA</li> <li>Alarm Volume: 78dB (0.5m distance)</li> <li>Sound Effect: 4 Options</li> <li>IP Rating: IP44</li> <li>Light Colour: Red/Green/Blue/Yellow</li> <li>Dimension: 90x86mm</li> <li>Weight: 104.3g</li> </ul>
<p><b>NEW</b></p>  <p><b>LS-2250</b></p>	<ul style="list-style-type: none"> <li>Stainless steel latchbolt</li> <li>Stainless steel construction</li> <li>Stainless steel faceplate</li> <li>For wood doors</li> </ul>	<p><b>NEW</b></p>  <p><b>CPT-102G</b></p>	<ul style="list-style-type: none"> <li>Power Supply: DC12V~24V (±15%)</li> <li>Flashing Current: ≤35mA</li> <li>Alarm Current: ≤30mA</li> <li>Alarm Volume: 78dB (0.5m distance)</li> <li>Sound Effect: 4 Options</li> <li>IP Rating: IP44</li> <li>Light Colour: Red/Green/Blue/Yellow</li> <li>Dimension: 90x86mm</li> <li>Weight: 104.3g</li> </ul>
 <p><b>LS-3500/3600</b></p>	<ul style="list-style-type: none"> <li>Stainless steel latchbolt</li> <li>Easily reversible bolt</li> <li>Round/Square faceplate option</li> <li>For wood/hollow metal doors</li> <li>Operates with knob/lever/thumb turn (Model LS-3600 operates with cylindrical knob/lever)</li> </ul>	<p><b>NEW</b></p>  <p><b>CPT-103B</b></p>	<ul style="list-style-type: none"> <li>Power Supply: DC12V~24V (±15%)</li> <li>Flashing Current: ≤35mA</li> <li>Alarm Current: ≤30mA</li> <li>Alarm Volume: 78dB (0.5m distance)</li> <li>Sound Effect: 4 Options</li> <li>IP Rating: IP44</li> <li>Light Colour: Red/Green/Blue/Yellow</li> <li>Dimension: 90x86mm</li> <li>Weight: 104.3g</li> </ul>

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