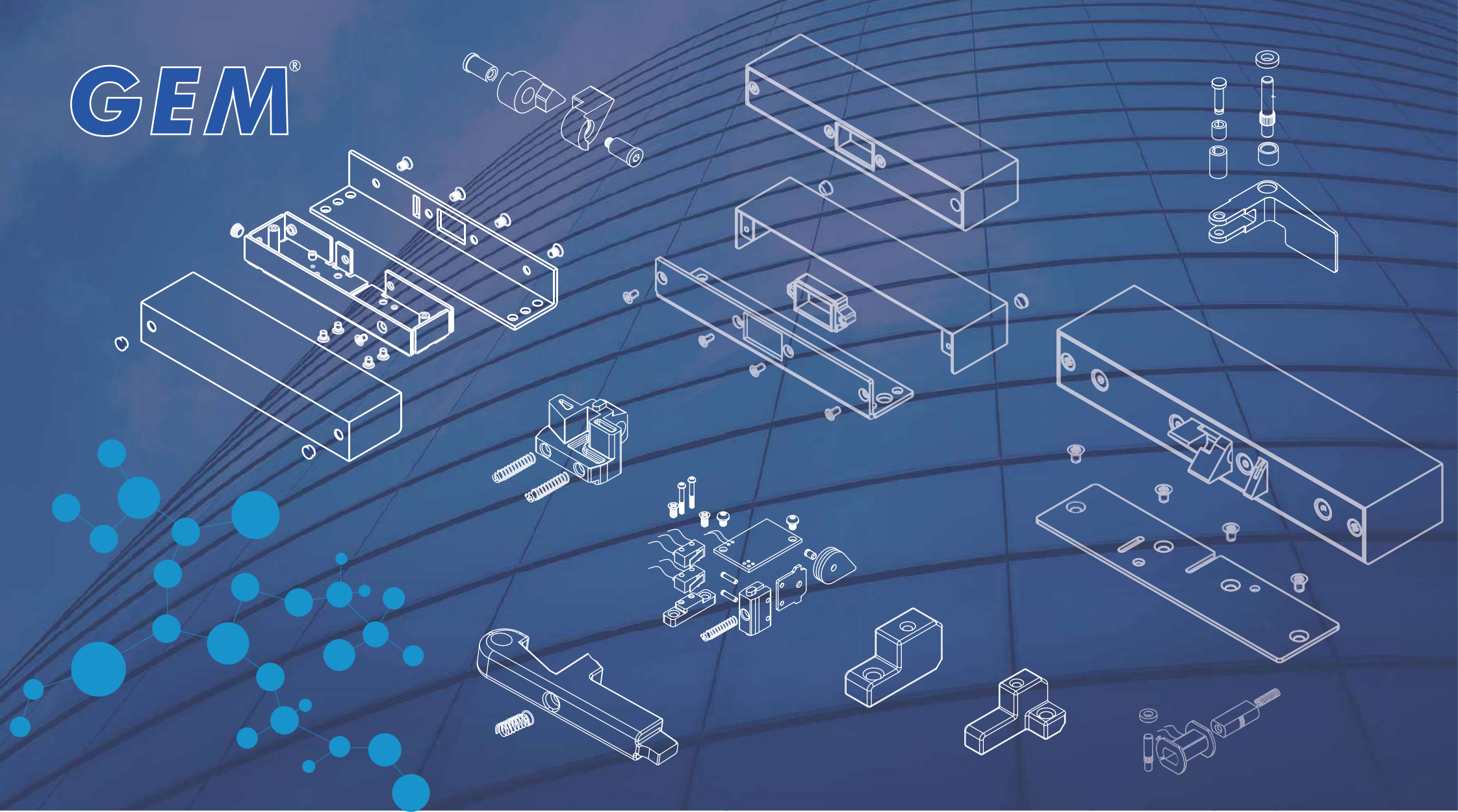


GEM[®]



Product Catalogue

We specialize in Electronic Locking Products and Access Control Systems

2021

ABOUT GEM[®]

Gianni Industries, Inc.

Gianni Industries, Inc. (GEM[®]) is one of the top leading manufacturers in Taiwan providing the world's best quality access control products. GEM[®] was established in 1992 and we specialize in electromagnetic locking devices.

The main distribution outlets are over 70 countries in the world. We help our customers navigate their toughest security challenges and differentiate themselves by providing innovative and secure solutions.

Our commitment to quality and customer service has been recognized by well-known institutions around the world. GEM[®] 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 several manufactures to receive the CE and UL certifications, as well as patents in over 20 different countries. We help advocate for and raise those security standards in the first place, in markets around the world.

GEM[®]

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Automation(自動化)
提高生產線的質與量



Customization(客製化)
加深與客戶的合作關係



Compliance(認證化)
加大與競爭對手差距



Electronics(電子化)
轉型與整合產品



Speed(迅速化)
加強物流的效率



Sustainability(永續化)
注重企業的長遠發展



檢視過去·展望未來·經過外部環境和內部資源條件分析研究·
翔光工業擬定企業的目標·經營方向·實施步驟作出總體性的規劃·
下一階段我們要朝向的目標統稱為“ACCESS”

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ELECTROMAGNETIC LOCKS

Indoor GEM Series

New Style Mounting Plate Design							
	GEM-300	GEM-600	GEM-800	GEM-1200	GEM-D600	GEM-D800	GEM-D1200
Model							
Voltage	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
Current	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
Holding Force (lbs)	300	600	800	1200	600 (per lock)	800 (per lock)	1200 (per lock)
Magnet Dimensions	7 7/8"L x 1 7/16"W x 7/8"D 200 x 36 x 22.2 mm	9 13/16"L x 1 3/4"W x 1"D 250 x 44 x 26 mm	10 7/16"L x 1 15/16"W x 1 1/8"D 265 x 49 x 29 mm	10 1/2"L x 2 11/16"W x 1 9/16"D 267 x 68 x 40 mm	19 11/16"L x 1 3/4"W x 1"D 500 x 44 x 26 mm	20 7/8"L x 1 15/16"W x 1 1/8"D 530 x 49 x 29 mm	21"L x 2 11/16"W x 1 9/16"D 534 x 68 x 40 mm
Housing	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)
Functional Options	M	M, ML, TD, DS	M, ML, TD, DS, LD, BZ	M, ML, TD, DS, LD, BZ	M, ML, TD, DS	M, ML, TD, BZ	M, ML, TD, DS, BZ
Standards & Compliance	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 **ML:** Bond sensor & Square LED

ELECTROMAGNETIC LOCKS

Indoor NH Series



Slide-in Mounting Plate Design

	EM-NH300	EM-NH350	EM-NH500	EM-NH2300	EM-NH2350	EM-NH2500
Model						
Voltage	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
Current	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
Holding Force (lbs)	600	800	1200	600 (per lock)	800 (per lock)	1200 (per lock)
Magnet Dimensions	9 13/16"L x 1 13/16"W x 1"D 250 x 45.5 x 25 mm	10 7/16"L x 2 1/16"W x 1 1/8"D 265 x 52 x 29 mm	10 1/2"L x 2 13/16"W x 1 9/16"D 267 x 71 x 40 mm	19 11/16"L x 1 13/16"W x 1"D 500 x 45.5 x 25 mm	20 7/8"L x 2 1/16"W x 1 1/8"D 530 x 52 x 29 mm	21"L x 2 13/16"W x 1 9/16"D 533 x 71 x 40 mm
Housing	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)
Functional Options	M, DS, TD	M, DS	M, DS, TD, BZ	M, DS, TD	M, DS, TD	M, DS, TD, BZ
UL Certifications	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-900
Model			
Voltage	12/24 VDC Field selectable	12/24 VDC Field selectable	12/24 VDC Field selectable
Current	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 (lbs)	600	600	600 (per lock)
Magnet Dimensions	4 7/8"L x 1 7/8"W x 1 1/8"D 324 x 48 x 29 mm	4 7/8"L x 1 7/8" W x 1 1/8"D 324 x 48 x 29 mm	97 13/16"L x 1 7/8"W x 1 1/8" D 2484 x 48 x 29 mm
Housing	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)
Functional Options	M, DS, TD	M, TD, Bi-color LED	M, DS, TD
Exit Button	No	Yes	No

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

ELECTROMAGNETIC LOCKS

Indoor FDH Series

Full Length Housing			
	Single Door	Double Door	Single Door (For high ceiling door application)
Door Type			
Voltage	12/24 VDC Auto selectable	12/24 VDC Auto selectable	12/24 VDC Auto selectable
Current	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC
Model & Holding Force (lbs)	FDH-M39M 800 FDH-M45M 800 FDH-L45M 1200	FDH-M90M 800 (per lock) FDH-L90M 1200 (per lock)	FDH-M96M 800 (per lock) FDH-L96M 1200 (per lock)
Model & Full Length	FDH-M39M 38 3/8" (1000 mm) FDH-M45M 45" (1143mm) FDH-L45M 45" (1143mm)	FDH-M90M 90" (2286mm) FDH-L90M 90" (2286mm)	FDH-M96M 96" (2438mm) FDH-L96M 96" (2438mm)
Housing	Aluminum anodized (US28)	Aluminum anodized (US28)	Aluminum anodized (US28)
Configuration	Horizontal	Double Horizontal	Vertical
Bond Sensor	Yes	Yes	Yes
Functional Options	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	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 (lbs)	300	600	600
Magnet Dimensions	7 7/8"L x 1 1/4"W x 15/16"D 200 x 32 x 24 mm	9 1/16"L x 1 1/2"W x 1 1/16"D 230 x 38 x 27 mm	8 15/16"L x 1 1/2"W x 1"D 227 x 38 x 26 mm
Housing	Brushed stainless steel (US32D)	Aluminum anodized (US28)	Brushed stainless steel (US32D)
Bond Sensor Model	10003M-R Output NO/COM	10000R Output NO/COM/NC	10000STR Output NO/COM/NC
Optional Armature Bracket	No	Yes	Yes

ELECTROMAGNETIC LOCKS

Weatherproof Series (Face Mount)

For Indoor/Outdoor Security			
	GL-80F	10003F	GL600-F
Model			
Voltage	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC
Current	150 mA/12 VDC 170 mA/24 VDC	300 mA/12 VDC 260 mA/24 VDC	500 mA/12 VDC 250 mA/24 VDC
Holding Force (lbs)	80	300	600
Magnet Dimensions	2 3/4"L x 1 1/2" W x 1"D 70 x 38 x 26 mm	6 11/16"L x 1 1/4"W x 15/16"D 170 x 32 x 23.7 mm	8"L x 1 11/16"W x 1 9/16"D 203 x 43.5 x 40 mm
Housing	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Functional Options	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	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 (lbs)	800	1200	1800
Magnet Dimensions	9 1/8"L x 1 3/4"W x 1 3/16"D 232 x 45 x 30 mm	8"L x 2 1/2"W x 1 5/8"D 203 x 63 x 41 mm	11 3/16"L x 2 13/16"W x 1 7/8"D 284 x 72 x 47.5 mm
Housing	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Functional Options	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	N10001ST	GL600-S
Model			
Voltage	12 VDC, 24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC	12 VDC, 24 VDC, Dual 12/24 VDC
Current	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
Holding Force (lbs)	300	600	600
Magnet Dimensions	6 11/16"L x 1 1/4"W x 15/16"D 170 x 32 x 23.7 mm	8 9/16"L x 1 3/4"W x 1 1/16"D 218 x 44 x 27.5 mm	8"L x 1 11/16"W x 1 6/16"D 203 x 43.5 x 40 mm
Housing	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Functional Options	R DS	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 Mount)

For Indoor/Outdoor Security

	10006S	10010ST	N10010ST	GL-1200S	GL-1800S
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	12 VDC, 24 VDC, Dual 12/24 VDC	Dual 12/24 VDC
Current	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)	500 mA/12 VDC 250 mA/24 VDC
Holding Force (lbs)	800	1200	1200	1200	1800
Magnet Dimensions	8 1/2"L x 2 1/16"W x 1 1/4"D 216 x 53 x 32 mm	8 11/16"L x 2 11/16"W x 1 5/8"D 220 x 68 x 42 mm	8 11/16"L x 2 7/16"W x 1 9/16"D 220 x 62 x 40.5 mm	8 11/16"L x 2 11/16"W x 1 5/8"D 220 x 68 x 42 mm	11 3/16"L x 2 3/4"W x 1 7/8"D 284 x 70 x 47.5 mm
Housing	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Functional Options	M	—	M	M	M
UL Certifications	—	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104	—

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

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	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 (lbs)	800	600	1200
Magnet Dimensions	9 1/16"L x 1 13/16"W x 1 3/16"D 230 x 46 x 30 mm	8"L x 1 11/16"W x 1 9/16"D 203 x 43.5 x 40 mm	8 11/16"L x 2 7/16"W x 1 9/16"D 220 x 62 x 40.5 mm
Housing	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Functional Options	—	M	M
UL Certifications	—	UL 10B, UL 10C, ULC S104	UL 10B, UL 10C, ULC S104

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

L-BRACKETS

L-Brackets (For Narrow Frames / Outswing Doors)						
	For 300 lbs Lock		For 600 lbs Lock			
Bracket Model	L-150	L-GEM-300	L-GL600-AL	L-N10001ST	L-GEM-600	L-NH300
						
Compatible Lock	10003S	GEM-300	GL600-S	N10001ST	GEM-600	EM-NH300
	For 800 lbs Lock			For 1200 lbs lock		
Bracket Model	L-400	L-750	L-GEM-800	L-NH350M	L-GEM-1200	L-NH500
						
Compatible Lock	10006S	EM-750	GEM-800	EM-NH350	GEM-1200	EM-NH500
	For 1200 lbs Lock				For 1800 lbs Lock	
Bracket Model	L-600	L-1200	L-N10010ST	L-GL1200FS-IOTB	L-GL1800	
						
Compatible Lock	10010ST, GL-1200	GL-1200F	N10010ST	GL-1200FS-IOTB	GL-1800S	

L-BRACKETS & SPECIAL L-BRACKETS

L-Brackets (For Narrow Frames / Outswing Doors)

	For 600 lbs Lock (Double)		For 800 lbs Lock (Double)		For 1200 lbs lock (Double)	
Bracket Model	L-GEM-D600 	L-NH2300 	L-GEM-D800 	L-NH2350M 	L-GEM-D1200 	L-NH2500 
Compatible Lock	GEM-D600	EM-NH2300	GEM-D800	EM-NH2350	GEM-D1200	EM-NH2500

















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

	For 600 lbs Lock			For 600 lbs Lock (Double)	For 800 lbs Lock	
Bracket Model	L-GL600 	L-GEM-600AU 	L-NH300AU 	L-GEM-D600AU 	L-GEM-800AU 	L-NH350AU 
Compatible Lock	GL600-S, GL600-FS-IOTB	GEM-600	EM-NH300	GEM-D600	GEM-800	EM-NH350

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

	For 800 lbs Lock (Double)	For 1200 lbs Lock		For 1200 lbs Lock (Double)
Bracket Model	L-GEM-D800AU 	L-GEM-1200AU 	L-NH500AU 	L-GEM-D1200AU 
Compatible Lock	GEM-D800	GEM-1200	EM-NH500	GEM-D1200

LZ-BRACKETS

LZ-Brackets (For Inswing Doors)						
	For 300 lbs Lock		For 600 lbs Lock			
Bracket Model	LZ-150	LZ-GEM-300	LZ-GL600	LZ-N10001ST	LZ-GEM-600	LZ-NH300N
						
Compatible Lock	10003S	GEM-300	GL600-S	N10001ST	GEM-600	EM-NH300
	For 800 lbs Lock			For 1200 lbs lock		
Bracket Model	LZ-400N	LZ-750	LZ-GEM-800	LZ-NH350N	LZ-GEM-1200	LZ-NH500N
						
Compatible Lock	10006S	EM-750	GEM-800	EM-NH350	GEM-1200	EM-NH500
	For 1200 lbs Lock			For 1800 lbs Lock		
Bracket Model	LZ-600N	LZ-N10010ST	LZ-GL1200FS-IOTB	LZ-GL1800		
						
Compatible Lock	10010ST, GL-1200S	N10010ST	GL-1200FS-IOTB	GL-1800S		

LZ-BRACKETS & SPECIAL LZ-BRACKETS

LZ-Brackets (For Inswing Doors)

	For 600 lbs Lock (Double)		For 800 lbs Lock (Double)		For 1200 lbs 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 600 lbs Lock	For 600 lbs Lock (Double)		For 800 lbs Lock	For 800 lbs Lock (Double)	
Bracket Model	LZ-GEM-600AU	LZ-NH300NAU	LZ-GEM-D600AU	LZ-NH2300NAU	LZ-GEM-800AU	LZ-GEM-D800AU
Compatible Lock	GEM-600	EM-NH300	GEM-D600	EN-NH2300	GEM-800	GEM-D800

Special LZ-Brackets (For Inswing Doors)

	For 1200 lbs Lock		For 1200 lbs Lock (Double)
Bracket Model	LZ-GEM-1200AU	LZ-NH500NAU	LZ-GEM-D1200AU
Compatible Lock	GEM-1200	EM-NH500	GEM-D1200

Z-BRACKETS & U-BRACKETS

Z-Brackets (For Inswing Doors)

	For 300 lbs Lock	For 600 lbs Lock		For 800 lbs Lock		For 1200 lbs Lock	
Bracket Model	Z-150 	Z-GL600 	Z-GEM-600 	Z-GL600 	Z-300N 	Z-GEM-800 	Z-500N 
Compatible Lock	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 300 lbs Lock		For 600 lbs Lock			For 600/800 lbs Lock	
Bracket Model	GLZ-150-10 	GLZ-150-12 	UBK-600G-Z 	UBK-600N-Z 	UBK-600-Z 	UBK-013 	UBK-013DS 
Compatible Lock	10003F, 10003S	10003F, 10003S	GEM-600	EM-NH300	10001	600 or 800 lbs lock except GL600-F & GL850	600 lbs lock with DS option

U-Brackets (For Frameless Glass Doors & Walls)

For 600 lbs Lock

	UBK-600G-L	UBK-600G-LZ	UBK-600N-L	UBK-600N-LZ	UBK-600-L	UBK-600-LZ
Bracket Model						
Compatible Lock	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
Model					
Compatible Lock	600 lbs lock with DS option	800 lbs lock with DS option	1200 lbs lock with DS option	600 lbs lock with DS option	1200 lbs lock with DS option
Dimensions (mm)	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
Finish	Plastic ABS	Plastic ABS	Plastic ABS	Aluminum alloy	Aluminum alloy
Door Type	Wooden, Hollow metal	Wooden, Hollow metal	Wooden, Hollow metal	Wooden, Hollow metal	Wooden, Hollow metal

	Armature Spacer		Armature Bracket
	300BP	500BP	TB-400
Model			
Compatible Lock	600 lbs lock	1200 lbs lock	600 or 800 lbs lock
Dimensions (mm)	185.5 x 38.5 x 6.5	191 x 63.5 x 9.5	190 x 53 x 36
Finish	Aluminum, Silver	Aluminum, Silver	Aluminum, Silver
Door Type	Wooden, Thick	Wooden, Thick	Sliding (For special application)





ELECTRIC STRIKES

GK140 Series

	Fail-Secure Preload	
Model	NEW GK140 	NEW GK145 
Voltage	12 VDC, 24 VDC	12 VDC, 24 VDC
Latch Throw	15 mm	11 mm
Mode	Fail-Secure	Fail-Secure
Preload Capability	200 lbs (91 kg)	200 lbs (91kg)
Static Strength	1,200 lbs (544 kg)	1,000 lbs (454 kg)
Adjustable Keeper	No	Yes
Monitoring	No	No
Locksets	Cylindrical knob/lever European latch	Cylindrical knob/lever European latch
Finish	Brushed stainless steel	Brushed stainless steel
Construction	Stainless steel	Stainless steel
Fire Resistance Testing	BSEN 1634-1: 2014	BSEN 1634-1: 2014
Optional Model	GK140M (Door status /Latch monitor)	GK145M (Door status/Latch monitor)
Faceplate Options	Round/Square corner	Round/Square corner

ELECTRIC STRIKES

GK200 Series

	For Gate Application		Fail-Safe Preload		
	GK200	GK250	GK231M	GK233M	GK236M
Model					
Voltage	8-16 VAC or 3-6 VDC, 12/24 VAC/VDC	8-16 VAC or 3-6 VDC, 12/24 VAC/VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC
Latch Throw	9/16" (15 mm)	1/2" (13mm)	15 mm	11 mm	11 mm
Mode	Fail-Secure	Fail-Secure	Fail-Safe	Fail-Safe	Fail-Safe
Preload Capability	—	—	500 lbs (227 kg)	500 lbs (227 kg)	500 lbs (227 kg)
Static Strength	1,000 lbs (454 kg)	1,000 lbs (454 kg)	1,500 lbs (680 kg)	1,500 lbs (680 kg)	1,500 lbs (680 kg)
Adjustable Keeper	No	No	No	Yes	Yes
Monitoring	No	No	Lock status, Door status	Lock status, Door status	Lock status
Locksets	Cylindrical GEM LS-2200 door latch	Cylindrical GEM LS-2200 door latch	Cylindrical knob/lever European latch	Cylindrical knob/lever European latch	Cylindrical knob/lever European latch
Finish	Silver, Brass	Brushed stainless steel	Brushed stainless steel	Brushed stainless steel	Brushed stainless steel
Construction	One piece cast zinc alloy body	Faceplate separated from zinc alloy body	Stainless steel	Stainless steel	Stainless steel
Fire Resistance Testing	—	—	BSEN 1634-1: 2014 & BSEN 1363-1: 2012	—	—
Optional Model	—	GK255 (Fail-Safe)	GK231 (24 VDC input, Non-monitored, NF S 61-937 compliant)	GK233 (24 VDC input, Non-monitored, NF S 61-937 compliant)	—
Faceplate Options	—	A. 4 7/8" x 1 1/4" (ANSI size) B. 3 1/8" x 1 1/8"	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 (VDC)	12, 24, Dual 12/24	12, 24, Dual 12/24	12, 24, Dual 12/24	12, 24, Dual 12/24
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	1000 lbs (454 kg)	1000 lbs (454 kg)	1000 lbs (454 kg)	1000 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 Mortise deadlatch	Cylindrical Mortise deadlatch	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

GK300 Series





ANSI Strikes for Residential and Business

	GK320	GK321	GK350	NEW GK360	NEW GK361
Model					
Voltage (VDC)	12, 24, Dual 12/24	12, 24, Dual 12/24	12, 24, Dual 12/24	12, 24, Dual 12/24	Dual 12/24
Latch Throw	3/4"(19 mm)	3/4"(19 mm)	9/16" (15 mm)	3/4" (19 mm)	3/4" (19 mm)
Mode	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
Static Strength	1000 lbs (454 kg)	1000 lbs (454 kg)	1200 lbs (544 kg)	1500 lbs (680 kg)	1500 lbs (680 kg)
Dynamic Strength	50 ft-lbs	50 ft-lbs	—	70 ft-lbs	70 ft-lbs
Endurance (Cycles)	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million	Factory test : 1 million	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million
Locksets	Cylindrical Mortise	Cylindrical Mortise	Night Latch (Rim Lockset)	Cylindrical Mortise	Cylindrical Mortise
Finish	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Construction	Zinc alloy	Zinc alloy	Aluminum alloy	Zinc Alloy	Zinc Alloy
Frame	Hollow metal	Wood	Hollow metal Wood	Hollow metal	Wood
UL Certification	—	—	—	UL 10B/10C, UL 1034, UL 294	UL 10B/10C, UL 1034, UL 294
Optional Models	GK320M	GK321M	GK350M	GK360-ST, GK360M, GK360M-ST	GK361M, GK361M-ST

ELECTRIC STRIKES

GK400 Series

ANSI Strikes for Residential and Business

	GK450	GK451	GK480	GK481	GK460	GK461
Model						
Voltage (VDC)	12, 24, Dual 12/24	12, 24, Dual 12/24	12, 24, Dual 12/24	12, 24, Dual 12/24	Dual 12/24	Dual 12/24
Latch Throw	9/16" (15 mm)	9/16" (15 mm)	3/4" (19mm)	3/4" (19mm)	9/16" (15mm)	9/16" (15mm)
Mode	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
Static Strength	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)	1,500 lbs (680kg)
Dynamic Strength	70 ft-lbs	70 ft-lbs	70 ft-lbs	70 ft-lbs	70 ft-lbs	70 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	UL test : 250,000 Factory test : 1 million	UL test : 250,000 Factory test : 1 million
Locksets	Cylindrical Mortise deadlatch	Cylindrical Mortise deadlatch	Cylindrical Mortise deadlatch	Cylindrical Mortise deadlatch	Cylindrical	Cylindrical
Finish	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Construction	Zinc alloy Stainless steel	Zinc alloy Stainless steel	Zinc alloy Stainless steel	Zinc alloy Stainless steel	Zinc alloy	Zinc alloy
Frame	Hollow metal	Wood	Hollow metal	Wood	Hollow metal	Wood
UL Certification	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294	UL 1034, UL 294
Optional Models	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)

	GK515	GK525	GK545
Model			
Voltage	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC
Latch Throw (mm)	9	9	13
Mode	Fail-Secure	Fail-Secure	Fail-Secure
Static Strength	800 lbs (363 kg)	800 lbs (363 kg)	1000 lbs (454 kg)
Endurance (Cycles)	1 million	1 million	1 million
Lockset	Night latch, Mortise, Cylindrical	Night latch, Mortise, Cylindrical	Night latch, Mortise, Cylindrical
Adjustable Keeper	Yes	Yes	No
Hold-Open Function	Internal hold-open	Internal hold-open Release lever for mechanical unlocking	Internal hold-open
Faceplate Finish	Brushed stainless steel, Grey powder coat	Brushed stainless steel, Grey powder coat	Brushed stainless steel, Grey powder coat
Construction	Zinc alloy	Zinc alloy	Zinc alloy
Optional Models	GK515M (Latch monitored), GK510/510M (No hold-open function), GK500/500M (Fail-Safe, No hold-open function)	GK520 (Release lever, No internal hold-open function)	GK530 (No hold-open function), GK530 (Fail-Safe, No hold-open function)
Faceplate Options	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	GK571	GK507	GK550-151/152	GK555-101/102	GK580-151/152	GK590
							
Voltage	8-16 VAC, 12 VDC, 24 VDC	8-16 VAC, 12 VDC, 24 VDC	8-16 VAC, 12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	12 VDC, 24 VDC	8-16 VAC, 12 VDC, 24 VDC
Latch Throw (mm)	11/16" (16.8mm)	3/8" (9mm)	11/16" (16.8 mm)	1/2" (12 mm)	1/2" (12 mm)	5/8" (16 mm)	5/8" (16 mm)
Mode	Fail-Secure	Fail-Secure	Fail-Secure	Fail-Secure	Fail-Secure	Fail-Secure	Fail-Secure
Static Strength	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)
Endurance (Cycles)	1 million	1 million	1 million	1 million	1 million	1 million	1 million
Lockset	Cylindrical	Cylindrical	Cylindrical	Cylindrical Mortise	Cylindrical	Cylindrical Mortise	Cylindrical Mortise deadlatch
Adjustable Keeper	No	No	No	Yes	No	Yes	No
Hold-Open Function	No	No	No	Yes	No	Yes	No
Finish	Satin chrome (US26D)	Satin chrome (US26D)	Satin chrome (US26D)	Silver	Silver	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Construction	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy
Optional Models	GK506 (Fail-Safe, 12 or 24 VDC input)	GK570 (Fail-Safe, 12 or 24 VDC input)	GK508 (Fail-Safe, 12 or 24 VDC input)	GK550-001/002 (Fail-Safe, No hold-open function)	GK555-001/002 (Fail-Safe)	GK580-001/002 (Fail-Safe, No hold-open function)	—

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

ELECTRIC STRIKES

GK600/700/800 Series

Durable Strikes for Residential and Business

	GK600	GK750N	GK760	GK800	GK810	GK850	GK880
Model							
Voltage	12 VDC, 24 VDC	12 to 28 VDC/AC	12 to 28 VDC/AC	Dual 12/24 VDC	Dual 12/24 VDC	Dual 12/24 VDC	Dual 12/24 VDC
Latch Throw (mm)	10	18	18	12	12	15	19
Mode	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
Static Strength	1500 lbs (680kg)	1500 lbs (680kg)	1500 lbs (680kg)	800 lbs (363 kg)	800 lbs (363 kg)	800 lbs (363 kg)	800 lbs (363 kg)
Endurance (Cycles)	1 million	1 million	1 million	1 million	1 million	1 million	1 million
Latch Monitor	No	Yes	Yes	Yes	Yes	Yes	Yes
Locksets	European latch	Cylindrical European latch	Cylindrical European latch	Cylindrical European latch	European mortise	Cylindrical Mortise	Cylindrical Mortise
Finish	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)
Construction	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy
Optional Models	GK610/620 (For mortise locks with deadbolt)	—	GK770 (Non-monitored)	—	—	—	—




ELECTRIC STRIKES

GK1100/1200 Series

Surface Mount Electric Rim Strikes				
	GK1100	GK1276	GK1296	GK1297
Model		NEW 	NEW 	NEW 
Voltage	12 to 28 VAC/DC	Field selectable 12/24 VDC	Field selectable 12/24 VDC	Field selectable 12/24 VDC
Latch Throw	11/16" (17mm)	3/4" (19mm)	1/2" (13mm)	1/2" (13mm)
Mode	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure
Static Strength	1500 lbs (680kg)	1500 lbs (680kg)	1500 lbs (680kg)	1500 lbs (680kg)
Dynamic Strength	—	70 ft-lbs	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	UL test : 250,000, Factory test : 1 million
Monitoring	Latch status , Lock status	—	—	—
Locksets	Rim exit device	Pullman latch rim exit device	Pullman latch rim exit device	Pullman latch rim exit device
Finish	Black	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Housing Thickness	13/16" (20mm)	3/4" (19mm)	1/2" (13mm)	1/2" (13mm)
Horizontal Adjustment	Yes	Yes	Yes	Yes
UL Certification	—	UL 1034, UL 294, UL 10B/10C	UL 1034, UL 294	UL 1034, UL 294, UL 10B/10C
Optional Models	GK1150 (Non-monitored)	GK1276M (Latch monitored)	GK1296M (Latch monitored)	GK1297M (Latch monitored)

ELECTRIC STRIKES

GK1300/1480/1700 Series

	All in One Kit Solution	Glass Door Strike	Compact Strike
Model	<p>GK1300</p> 	<p>GK1480</p> 	<p>GK1700-01</p> 
Description	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
Voltage	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
Latch Throw	1" (25mm)	—	1/2" (13mm)
Mode	Reversible Fail-Safe/Fail-Secure	Fail-Safe	Fail-Secure
Static Strength	1,000 lbs (454kg)	—	1,000 lbs (454kg)
Endurance (Cycles)	UL test : 250,000 Factory test : 1 million	—	Factory test : 250,000
Locksets	Cylindrical, Mortise	—	Cylindrical, GEM LS-2200 door latch
Optional Monitoring	Plug-in latch monitor	—	—
Finish	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)	Brushed stainless steel (US32D)
Construction	Stainless steel	Zinc alloy	Zinc alloy
UL Certification	GK1300 (UL 1034, UL 294) GK1350(M)-ST (UL 10C)	—	—
Optional Models	GK1350 (Zinc alloy/Stainless steel body, Static strength 1500 lbs, Dynamic strength 70 ft-lbs)	GK1481 (Fail-Secure)	GK1700-02 (Silver finish) GK1700-03 (US40/Dark Bronze finish)





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
Relock Time Delay	Yes	No
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)

ELECTROMECHANICAL LOCKING DEVICES

Electric Locks

Electromechanical Operation				
Model	 ML-705M-25	 ML-755M-25	 ML-805M-25	 ML-855M-25
Voltage	12 to 24 VDC/AC	12 to 24 VDC/AC	12 to 24 VDC/AC	12 to 24 VDC/AC
Monitoring	Lock status	Lock status	Lock status	Lock status
Installation Direction	Vertical	Vertical	Vertical	Vertical
Lock Mode	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure
Preload Capability	—	—	—	—
Latchbolt & Nib	Nib located above double action latchbolt	Nib located above double action latchbolt	Nib located above double action latchbolt	Nib located above double action latchbolt
Optional Mechanical Override	Yes	Yes	Yes (Cylinder included)	Yes (Cylinder included)
Backset	25 mm	25 mm	1" (25 mm)	1" (25 mm)
Dimensions (mm)	Case: 275 L x 25 W x 49 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: 275 L x 25 W x 49 D Strike: 150 L x 28 W x 2 D	Case: 275 L x 25 Wx 49 D Strike: 150 L x 28 W x 2 D

ELECTROMECHANICAL LOCKING DEVICES

Electric Locks

Electromechanical Operation				
Model	 ML-605M	 ML-655M	 ML-600M-30	 ML-650M-30
Voltage	12 to 24 VDC/AC	12 to 24 VDC/AC	12 to 24 VDC/AC	12 to 24 VDC/AC
Monitoring	Lock status	Lock status	Door status	Door status
Installation Direction	Vertical	Vertical	Vertical	Vertical
Lock Mode	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Fail-Secure	Fail-Secure
Preload Capability	—	—	300 lbs (136 kg)	300 lbs (136 kg)
Latchbolt & Nib	Nib located below double action latchbolt	Nib located below double action latchbolt	Nib located above double action latchbolt	Nib located above double action latchbolt
Optional Mechanical Override	Yes (Optional cylinders & keys available)	Yes (Optional cylinders & keys available)	Yes (Optional cylinders & keys available)	Yes (Optional cylinders & keys available)
Backset	ML-605M-30: 30 mm ML-605M-35: 35 mm	ML-655M-30: 30 mm ML-655M-35: 35 mm	30 mm	30 mm
Dimensions (mm)	Case: 275 L x 25 W x 49 D Strike: 150 L x 28 W x 2 D	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 43.5 D Strike: 150 L x 28 W x 2 D	Case: 275 L x 25 Wx 43.5 D Strike: 150 L x 28 W x 2 D

ELECTROMECHANICAL LOCKING DEVICES

Electric Locks

Robust Construction (with Special Latchbolt) & High Resistance			
Model	 <p>NEW ML-400M</p>	 <p>NEW ML-400MSMB</p>	 <p>NEW ML-400MVGL</p>
Voltage	12 to 24 VDC/AC	12 to 24 VDC/AC	12 to 24 VDC/AC
Monitoring	Door status	Door status	Door status
Installation Direction	Horizontal, Vertical	Horizontal, Vertical	Horizontal, Vertical
Lock Mode	Fail-Safe	Fail-Safe	Fail-Safe
Preload Capability	500 lbs (227 kg)	500 lbs (227 kg)	500 lbs (227 kg)
Accessories	Spacer, Keeper plate	No	No
Strike Plate Options	Yes	No	No
Mounting Type	Mortise mount	Surface mount	Glass mount
Case Dimensions (mm)	215 L x 25 W x 40.5 D	200 L x 32.5 W x 50 D	212 L x 53.5 W x 56 D

ELECTROMECHANICAL LOCKING DEVICES

Electric Locks

Robust Construction & High Resistance			
Model	NEW ML-450M 	NEW ML-450MSMB 	NEW ML-450MVGL 
Voltage	12 to 24 VDC/AC	12 to 24 VDC/AC	12 to 24 VDC/AC
Monitoring	Door status	Door status	Door status
Installation Direction	Horizontal, Vertical	Horizontal, Vertical	Horizontal, Vertical
Lock Mode	Fail-Safe	Fail-Safe	Fail-Safe
Preload Capability	500 lbs (227 kg)	500 lbs (227 kg)	500 lbs (227 kg)
Accessories	Spacer, Keeper plate	No	No
Strike Plate Options	Yes	No	No
Mounting Type	Mortise mount	Surface mount	Glass mount
Case Dimensions (mm)	210 L x 25 W x 40.5 D	200 L x 32.5 W x 50 D	212 L x 53.5 W x 56 D

ELECTROMECHANICAL LOCKING DEVICES

Electric Locks





For Narrow Stile Doors				
	ML-210N-SW	ML-300-SW	ML-350M	ML-360M
Model				
Voltage	12 to 24 VDC/AC	12 to 24 VDC/AC	12 VDC, 24 VDC	12 VDC, 24 VDC
Monitoring	Lock status	Lock status	Lock status, Door status	Lock status, Door status
Installation Direction	Horizontal, Vertical	Vertical	Horizontal, Vertical	Horizontal, Vertical
Lock Mode	Reversible Fail-Safe/Fail-Secure	Reversible Fail-Safe/Fail-Secure	Fail-Safe	Fail-Safe
Preload Capability	—	—	500 lbs (227 kg)	500 lbs (227 kg)
Standards & Compliance	—	—	BS EN 14846 Fire tested to BSEN 1634-1: 2014 & BSEN 1363-1: 2012	BS EN 14846
Optional Mechanical Override	No	Yes (Optional cylinders & keys available)	No	No
Optional Model	—	—	ML-350 (24 VDC input, Non-monitored, NF S 61-937 compliant)	ML-360 (24 VDC input, Non-monitored, NF S 61-937 compliant)
Dimensions (mm)	210 L x 25 W x 44 D	250 L x 25 W x 44 D Backset: 30	200 L x 25 W x 39.5 D	200 L x 30.5 W x 45 D

ELECTROMECHANICAL LOCKING DEVICES

Electromechanical Push Bar

Preload Panic Exit Device											
Model	PBH-350										
											
Voltage	12 or 24 VDC										
Static Strength	1,500 lbs (680kg)										
Preload Capability	500 lbs (227kg)										
Lock Mode	Fail-Safe										
Housing	Aluminum anodized										
Dimensions	<table border="1"> <tr> <td>Bar</td> <td>35 1/16" x 2 5/8" x 2 7/16" (890 x 66 x 61.5 mm)</td> </tr> <tr> <td>Strike</td> <td>2 15/16" x 1 3/16" x 11/16" (75 x 30 x 17 mm)</td> </tr> </table>	Bar	35 1/16" x 2 5/8" x 2 7/16" (890 x 66 x 61.5 mm)	Strike	2 15/16" x 1 3/16" x 11/16" (75 x 30 x 17 mm)						
	Bar	35 1/16" x 2 5/8" x 2 7/16" (890 x 66 x 61.5 mm)									
Strike	2 15/16" x 1 3/16" x 11/16" (75 x 30 x 17 mm)										
Delayed Egress Function	<table border="1"> <tr> <td>Model</td> <td>PBH-350DE</td> </tr> <tr> <td>Buzzer Alarm</td> <td>95 dB</td> </tr> <tr> <td>Nuisance Delay</td> <td>Field selectable 0, 1, 2, 3 seconds</td> </tr> <tr> <td>Exit Delay</td> <td>Field selectable 15/30 seconds</td> </tr> <tr> <td>Functional Inputs</td> <td>Emergency signal input Door ajar input</td> </tr> </table>	Model	PBH-350DE	Buzzer Alarm	95 dB	Nuisance Delay	Field selectable 0, 1, 2, 3 seconds	Exit Delay	Field selectable 15/30 seconds	Functional Inputs	Emergency signal input Door ajar input
	Model	PBH-350DE									
	Buzzer Alarm	95 dB									
	Nuisance Delay	Field selectable 0, 1, 2, 3 seconds									
	Exit Delay	Field selectable 15/30 seconds									
Functional Inputs	Emergency signal input Door ajar input										

Electromechanical Mortise Lock

ANSI Standard, Handled Controlled		
Model	GML800	
		
Input Power	600mA/12VDC, 300mA/24VDC Field selectable 12/24 VDC	
Backset	2 3/4" (70 mm)	
Finish	Brushed stainless steel (US32D)	
Field Configuration	Changeable fail-safe/fail-secure operation Reversible latchbolt for right and left hand doors	
Optional Monitoring Outputs	Lock status, Request-to-Exit/Enter (Lever rotation), Door status	
Strike	4 7/8" x 1 1/4", furnished with dust box	
Accessories	Cylinder & Keys	
Optional Lever Sets		
		
GEM800-SET with L811 Lever Option	GEM800-SET with L812 Lever Option	GEM800-SET with L814 Lever Option

ELECTRIC DROBOLTS

Fail-Safe Series (Mortise Mount)





Secure and Intelligent Bolts

Model	EB180	EB185	EB190TG	EB195TG	EB200NLW	EB220N	EB262N
							
Voltage (VDC)	Dual 12/24		Dual 12/24		12	12	12
Current	Pull in: 0.9A/12VDC, 0.4A/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	Pull in: 0.9A Holding: 0.3A
Lock Dimensions (mm)	210 x 25 x 41		210 x 25 x 41		203 x 32(34, 38) x 41.5	220 x 32 (35, 38) x 40	262 x 35 x 40
Strike Plate Dimensions (mm)	100 x 25 x 3		115 x 25 x 3		100 x 25 x 3	140 x 25 x 3	140 x 25 x 3
Finish	Brushed stainless steel		Brushed stainless steel		Aluminum anodized	Brushed stainless steel/Silver	Brushed stainless steel
Intelligent Electronics	Yes		Yes		No	Yes	Yes
Bolt Status Sensor (BSS)	Yes		Yes		No	Yes	Yes
Door Position Sensor (DPS)	No		Yes		Yes	No	No
Buzzer Alarm (Door Held Open Alarm)	No		No		No	No	No
Relock Timer	Yes		Yes		Yes	Yes	Yes
Push Button Trigger Input	No		Yes		No	No	No
Adjustable Ball Catch	No		No		No	No	Yes
Optional Models	—		—		—	EB220NDS (with DPS) EB220NDB (with DPS & Alarm)	EB262NDS (with DPS) EB262NDB (with DPS & Alarm)

ELECTRIC DROPBOLTS

Fail-Safe Series (Surface Mount)




Secure and Intelligent Bolts

	EB185S	EB195TGS	EB300	EB400NDS
Model				
Voltage (VDC)	Dual 12/24	Dual 12/24	12	12
Current	Pull in: 0.9A/12VDC, 0.4A/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
Lock Dimensions (mm)	212 x 56 x 31	212 x 56 x 31	166 x 56 x 34	220 x 42.5 x 39
Strike Plate Dimensions (mm)	102 x 56 x 31	102 x 56 x 31	166 x 56 x 34	220 x 42.5 x 39
Finish	Aluminum anodized	Aluminum anodized	Aluminum anodized	Brushed stainless steel
Intelligent Electronics	Yes	Yes	No	Yes
Bolt Status Sensor (BSS)	Yes	Yes	No	Yes
Door Position Sensor (DPS)	No	Yes	Yes	Yes
Buzzer Alarm (Door Held Open Alarm)	No	No	No	Yes
Relock Timer	Yes	Yes	Yes	Yes
Push Button Trigger Input	No	Yes	No	No
Optional Model	-	-	-	EB400NDB (with Alarm)

ELECTRIC DROBOLTS

Fail-Safe Series (Glass Mount)

Secure and Intelligent Bolts

	EB195TGVGL	EB200NVGL	EB300VGL
Model			
Voltage (VDC)	Dual 12/24	12	12
Current	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
Lock Dimensions (mm)	212 x 56 x 53.5	205 x 56 x 65.9	166 x 56 x 55.5
Strike Plate Dimensions (mm)	102 x 56 x 53.5	205 x 56 x 65.9	166 x 56 x 55.5
Finish	Aluminum anodized	Aluminum anodized	Aluminum anodized
Intelligent Electronics	Yes	No	No
Bolt Status Sensor (BSS)	Yes	No	No
Door Position Sensor (DPS)	Yes	Yes	Yes
Relock Timer	Yes	Yes	Yes
Push Button Trigger Input	Yes	No	No

ELECTRIC DROPBOLTS

Fail-Secure Series

Easily Reversible Bolts				
	EB260-N	EB261	EB265	EB270
Model				
Voltage	12 to 28 VDC	12 to 24 VAC/VDC	12 to 24 VAC/VDC	12 to 24 VAC/VDC
Current	1.2A/12VDC	1.2A/12VDC	1.2A/12VDC	1.2A/12VDC
Lock Dimensions (mm)	260 x 48 x 30	260 x 48 x 30	260 x 73 x 30	260 x 48 x 30
Strike Plate Dimensions (mm)	100 x 25 x 3	100 x 46 x 1.5	100 x 46 x 1.5	100 x 46 x 1.5
Finish	Brushed stainless steel	Brushed stainless steel	Brushed stainless steel	Brushed stainless steel
Backset (mm)	35	35	55	35
Bolt Status Sensor (BSS)	Yes	No	No	No
Reversible Bolt	No	Yes	Yes	Yes
Relock Timer	Yes	No	No	No
Auxiliary Deadlatch	No	No	No	Yes
Optional Model	—	EB261M (BSS included)	EB265M (BSS included)	EB270M (BSS included)
Optional Accessories	Cylinder, Keys	Cylinder, Keys	Cylinder, Keys	Cylinder, Keys

SHEAR LOCKS

Shear Aligning Electromagnetic Locks					
	GS200	GS200VGL	GS705-30	GS705-35	GS705N-30
Model					
Voltage	12/24 VDC Field selectable	12/24 VDC Field selectable	12 to 24 VDC	12 to 24 VDC	12/24 VDC Field selectable
Current	420 mA/12 VDC 210 mA/24 VDC	420 mA/12 VDC 210 mA/24 VDC	Pull in: 1.7 A/12 VDC Holding: 0.5 A/12 VDC	Pull in: 1.9 A/12 VDC Holding: 0.55 A/12 VDC	420 mA/12 VDC 210 mA/24 VDC
Shear Holding Force (lbs)	1200	1200	2000	2200	1200
Bond Sensor	No	No	Yes	Yes	Yes
Mount	Mortise, Semi-Mortise, Surface	Frameless glass surface	Mortise	Mortise, Semi-Mortise, Surface	Mortise
Magnet Dimensions	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	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	1/16" (2mm)	1/16" (2mm)	1/8" (3mm)	1/8" (3 mm)	1/16" (2mm)
UL Certification	UL 1034	UL 1034	—	—	—
Optional Mounting Bracket	SMB-200	—	—	SMB-001	—
Optional Models	GS200M (Bond sensor included) GS200S (Surface mounted) GS200MS (Bond sensor included, Surface mounted)	GS200MVGL (Bond sensor included)	—	GS705-35TD (1 -15 sec time delay)	—


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

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

Bluetooth Access Control DG Series

	DG-360 ⁺	DG-365 ⁺	DG-800 ⁺	DG-170 ⁺
Model				
Input Power	12 to 24 VDC	12 to 24 VDC	12 VDC	
Bluetooth Spec	Bluetooth low energy 4.2		Bluetooth low energy 4.2	
Operating Distance	50 meters (164 ft)		50 meters (164 ft)	
Temperature	+ 14° to 104°F (-10° to +40°C)		+ 14° to 104°F (-10° to +40°C)	
Administrator/Users	1/200		1/200	
Access Modes	Smartphone, RFID EM Card	Smartphone, RFID EM Card	Smartphone, RFID EM Card, Code	
Functions	<ul style="list-style-type: none"> • Built-in 85dB tamper buzzer • REX input & Alarm output • Automatic unlocking • Anti-tailgate 	<ul style="list-style-type: none"> • Built-in 85dB tamper buzzer • REX input & Alarm output • Automatic unlocking • Logo indicator light • Anti-tailgate 	<ul style="list-style-type: none"> • Door held open alarm (built-in 85dB buzzer) • Tamper alarm • REX input & Alarm output • Automatic unlocking • Backlit keypad 	
User Management	<ul style="list-style-type: none"> • Add/Delete/View user data • Grant user access for specific dates or time periods • Change user passcode • Up to 1,000 audit trails 	<ul style="list-style-type: none"> • Add/Delete/View user data • Grant user access for specific dates or time periods • Change user passcode • Up to 1,000 audit trails 	<ul style="list-style-type: none"> • Add/Delete/View user data • Grant user access for specific dates or time periods • Change user passcode • Up to 1,000 audit trails 	
Finish	Up to 1,000 audit trails	Chrome plated front trim	Chrome/Gold	Chrome
Dimensions (mm)	86 x 86 x 20 (European size)	120 x 76 x 21 (ANSI size)	123 x 79 x 21	150 x 44 x 24

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

Bluetooth Access Control Easi Series			
	Easiprox ⁺	Easiprox ⁺ Slim	E1196
Model			
Input Power	12 VDC		12 to 24 VDC
Bluetooth Spec	Bluetooth low energy 4.2		Bluetooth low energy 4.0
Operating Distance	50 meters (164 ft)		50 meters (164 ft)
Temperature	+ 14 to 104°F (-10° to +40°C)		+ 14° to 104°F (-10° to +40°C)
Administrator/Users	1/200		1/196
Access Modes	Smartphone, RFID EM Card		Smartphone
Functions	<ul style="list-style-type: none"> • Door held open alarm (built-in 85dB buzzer) • Tamper alarm • REX input & Alarm output • Automatic unlocking 		<ul style="list-style-type: none"> • Door held open alarm (built-in 85 dB buzzer) • Anti-tailgate • REX input • Automatic unlocking
User Management	<ul style="list-style-type: none"> • Add/Delete/View user data • Grant user access for specific dates or time periods • Change user passcode • Up to 1,000 audit trails 		<ul style="list-style-type: none"> • Grant or disable user access and manage user data
Finish	Navy blue	Black	Black/White
Dimensions (mm)	114 x 80 x 18 (ANSI size)	88 x 44 x 23	114 x 69.5 x 30 (ANSI size)

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




E-ACCESS



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

Digital Keypad System

Standalone DG Series					
Model	DG-185	DG-187	DG-120	DG-130L	DG-200
					
Description	Piezoelectric keys	Piezoelectric keys Separate controller	ANSI size	European size	Heavy duty outdoor use
Voltage	12 to 24 VAC/DC	12 to 24 VAC/DC	12 to 24 VDC	12 to 24 VDC	12 to 24 VAC/DC
Users	1000 + 10	1000 + 10	49 + 50	50	200 + 10
PIN Code Digits	4 to 6	4 to 6	5	4	4 or 5
Inputs	REX, Door sensor	REX, Door sensor, Tamper	REX, Door sensor	REX	REX, Door sensor
Outputs	2 Relays	2 Relays	2 Relays	1 Relay	2 Relays
Housing	Aluminum alloy	Aluminum alloy	Black Plastic ABS	Navy Blue Plastic ABS	Metal
Mount	Mullion surface	Mullion surface	Surface/Flush	Surface/Flush	Surface
Tamper	Light sensor	Light sensor Wiring terminal	No	No	Switch
Dimensions (mm)	155 x 44 x 10	155 x 44 x 10 (Keypad) 69.5 x 60.3x 6 (Controller)	114x 70 x 41 (Surface mount)	87.3 x 87.3 x 45.2	167 x 128.5 x 111.5

Digital Keypad System

Standalone DG Series (Illuminated Keypads)

	DG-750	DG-850TH	DG-195	DG-15LD	DG-25LD
Model					
Description	Backlit tactile keys Separate controller	Backlit touch panel EMI prevention	Backlit touch panel	Backlit tactile keys	Backlit tactile keys
Voltage	12 to 24 VAC/DC	12 VDC	12 to 24 VAC/DC	12 to 24 VDC	12 to 24 VDC
Users	1000 + 10	20 + 1	99	200 + 10	49 + 50
PIN Code Digits	4 to 6	4 or 5	4 to 8	4 or 5	5
Inputs	2 REX inputs 1 Door sensor input 1 Tamper input	REX, Door sensor	REX	REX, Door sensor	REX, Door sensor
Outputs	2 Relays	2 SSRs (MOSFET relay)	1 Relay 1 Auxiliary	2 Relays	2 Relays
Housing	Chrome plated zinc alloy	Gold/Chrome plated zinc alloy front trim	Stainless steel frame	Aluminum alloy	Stainless steel
Mount	Surface	Surface	Flush	Surface	Surface
Tamper	Wiring terminal	No	Switch	No	No
Dimensions (mm)	122.8 x 78.5 x 22.8 (Keypad) 69.5 x 60.3 x 6 (Controller)	120 x 76 x 21	134 x 90 x 42	125 x 79 x 64	116 x 80 x 76

*EMI: Electromagnetic Interference

Proximity Keypad System

Standalone DG Series (With Aluminum Housing)		
	DG-800	DG-160
Model		
Voltage	12 to 24 VAC/DC	12 to 24 VAC/DC
Users	1000 + 10	1000 + 10
Access Modes	Card, Code (4 digits)	Card, Code (4 digits)
Wiegand Output	—	—
Housing	Aluminum alloy	Aluminum alloy
Illuminated keys	Yes	Yes
Mount	Surface	Mullion surface
Proximity Frequency	125 KHz	125 KHz
Read Range (cm)	5	5
Tamper	Switch	Switch
Dimensions (mm)	120 x 76 x 20.5	151.5 x 44 x 24

Proximity Keypad System

Standalone Split DG Series (With Separate Controller)

	DG-350*	DG-700	DG-760	DG-770TP
Model				
Description	Backlit tactile keys	Backlit tactile keys	Backlit tactile keys	Backlit touch panel Red LED logo display
Voltage	12 to 24 VAC/DC	12 to 24 VAC/DC	12 to 24 VAC/DC	12 to 24 VAC/DC
Users	1000 + 10	1000 + 10	1000 + 10	1000 + 10
Access Modes	Card, Code (4 to 6 digits)	Card, Code (4 to 6 digits)	Card, Code (4 to 6 digits)	Card, Code (4 to 6 digits)
Inputs	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	2 REX inputs 1 Door sensor input 1 Tamper input
Output	3 Relays	3 Relays	3 Relays	3 Relays
Housing	Stainless steel plate & Stainless steel/plastic back box	Chrome/Gold plated zinc alloy	Chrome plated zinc alloy	Chrome/Gold plated zinc alloy front trim
Mount	Surface/Flush	Surface	Mullion surface	Surface
Proximity Frequency	125 KHz	125 KHz	125 KHz	125 KHz
Read Range (cm)	3	3	3	3
Tamper	Wiring terminal	Wiring terminal	Wiring terminal	Wiring terminal
Keypad Dimensions (mm)	120 x 74 x 46.2	122.8 x 78.5 x 22.5	151.5 x 45 x 22.7	120 x 76 x 21

* 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/Reader System

	Standalone DG Series		Standalone EASIPROX Series	
	DG-600-E	DG-300	DG-120R	EASIPROX-980-40
Model				
Description	Prox keypad with 26/44 bit Wiegand output	Backlit Prox keypad	Prox reader	Prox reader
Voltage	8.5 to 16 VDC	12 to 24 VAC/DC	12 VAC/DC	12 VAC/DC
Users	600	1000 + 10	2000	2000
Access Modes	Card, Code (5 digits)	Card, Code (4 digits)	Card	Card
Inputs	REX, Door sensor, Auxiliary reader	2 REX inputs 1 Door sensor input	1 REX input	1 REX input
Outputs	2 Relays	2 Relays	1 Relay	1 Relay
Prox Frequency	125 KHz	125 KHz	125 KHz	125 KHz
Read Range	10 cm	10 cm	10-15 cm	10-15 cm
Tamper	Switch	Switch	No	No
Housing	Black/White Plastic ABS	Black Plastic ABS	Navy Blue Plastic ABS	Black Plastic ABS
Dimensions (mm)	127.5 x 70 x 35.5	117.5 x 77.5 x 23.5	114 x 70 x 41 (ANSI size)	114 x 69.5 x 18 (ANSI size)

Online Networked System/Standalone

Multi-Function Networked Access Controller

ST-640E



Model	
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

Optional Accessories

125 KHz Wiegand Prox Reader

GEMPROX-640EM-BA



Model	
Description	Wiegand 26/34 bit

Wiegand Mullion Prox Readers

GEMPROX-26M

GEMPROX-E

716-40



Model			
Description	13.56 MHz Wiegand 26 bit	125 KHz Wiegand 26 bit	13.56 MHz Wiegand 26/34/44 bit

RS485 Converters


485-TO-USB

485-TO-TCP/IP



Model		
Description	RS485 to USB converter	RS485 to TCP/IP converter







Proximity Reader Accessories

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

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

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
						
Power Supply Type	Linear	Linear	Linear	Linear	Switching	Switching
Special Feature	Toroidal transformer	—	Built-in red flashing light alarm	Field selectable 12 or 24 VDC output	Red flashing light alarm	Compact size
Input Voltage (VAC)	220 - 240 (Special order 110 to 120)	120, 230	110, 230	110, 230	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz
Output Voltage (VDC)	3A 13.8V/27.6V 5A 13.8V/27.6V	2A/13.4 (24W) 2A/27.6 (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
Status LED	AC, DC, Battery	—	DC, Battery	DC, Battery	AC, DC, Battery	Power
Tamper Switch	Yes	No	No	No	No	No
Emergency Override Input	No	No	Yes	Yes	Yes	No
Optional Accessories	Power distribution board	—	—	Power supply modules Board stacker Main power switch	Power supply modules Board stacker	—
Dimensions	12 5/8"x2 13/16"x3 1/2" (320 x 325 x 89.5 mm)	8 1/4"x 8 11/16"x3 1/8" (210 x 220 x 80 mm)	12 3/16"x8 15/16"x3 3/8" (310 x 227 x 86 mm)	13"x13"x 3 3/8" (330 x 330 x 86 mm)	1 2 5/8"x10 15/16"x3 9/16" (321 x 277 x 90 mm)	2 3/16"x1 7/8"x1 9/16" (55 x 48 x 40 mm)
Protection	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			
	With Li-ion Batteries	Plug-In Mount	Boxed with Multi-Indicator Panel
	PSM-35-D/PSM-35-X	PSM-28T	PSM-29T
Model			
Input Voltage (VAC)	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz	100 - 240V 50/60 Hz
Output 1	3A/12.5VDC	12 or 13.8 VDC 1.5A Max.	12 or 13.8 VDC 1.1A Max.
Output 2	—	12 or 13.8 VDC 1A Max.	12 or 13.8 VDC 1A Max.
Battery Charging	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.
Additional Function	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
Mechanical	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

Model	DIN Rail Mount					
	PSM-01T-4-AC230V	PSM-02-AC230V	PSM-10T	PSM-112S	PSM-224S	PSM-512S
Model						
Input Voltage (VAC)	230	230	100 - 240V 50/60 Hz	100 - 240	100 - 240	100 - 240
Output 1	2A/12VDC	1.5A/12VDC	0.5A/12VDC	1A/13.8VDC	2A/27.6VDC	5A/13.8VDC
Output 2	0.5A/12VDC	0.5A/12VDC	2A/12VDC	—	—	—
Battery Charger	—	—	—	0.28A/14.5VDC	0.25A/27.6VDC	0.28V/14.5VDC
Adjustable Timer (Sec)	0~75	—	0~75	—	—	—
Weight (Kg)	1	0.95	0.35	0.25	0.34	0.35
Dimensions	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 / 1 6 " 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)

PPB & AS Push Buttons

	PPB Illuminated Push Buttons (Narrow/ANSI Size)				AS Push Buttons (ANSI Size)				
Model	PPB-103	PPB-104	PPB-106	PPB-110	AS-1141	AS-1142	AS-1145	AS-1151	AS-1144
Switch Contact	Momentary SPDT, 3A 125/250 VDC	Momentary SPDT, 3A 125/250 VDC	Momentary SPDT, 3A 125/250 VDC	Momentary SPDT, 0.1A 125/250 VAC 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)									
Model	AS-500	AS-1135	AS-1147	AS-1149	AS-1152	AS-1153	AS-1156	AS-1157	AS-1158
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 color option)	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

EXIT BUTTONS & DEVICES

PBT Push Buttons (ANSI Size)

Flush Mounted







	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 Mounted







	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 Mounted

	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 Mounted






	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 Mounted

	PBT-100-4	PBT-160	PBT-080	PBT-100-LED	PBT-030	PBT-120-PTE
Model						
Switch Contact	Momentary DPDT, 5A/125VAC	Momentary DPDT, 5A/125VAC	Momentary SPST, 2A/48VDC	Momentary SPDT, 1A/250VAC	Momentary SPDT, 15A 125/ 250VAC	Piezo-electric, 2A/30VDC
Button	Stainless steel	Green	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 Mounted

	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 Mounted

	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 Mounted





	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





EXIT BUTTONS & DEVICES

Surface Mounted (With White Plastic Cover & Silver Button)




	PBT-1000	PBT-1100	PBT-1150
Model			
Switch Contact	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 IR Sense Exit Button	Wave Sense Infrared Exit Devices (LED Illuminated - Square)		
Model	<p>PBT-090WP</p> <p>NEW</p> 	<p>RTS-950</p> <p>NEW</p> 	<p>RTS-1000</p> <p>NEW</p> 	<p>RTS-1100A</p> <p>NEW</p> 	<p>RTS-2600</p> <p>NEW</p> 
Description	<ul style="list-style-type: none"> ● Push to exit button ● Easy to install 	<ul style="list-style-type: none"> ● Touchless activation, wave-to-exit 	ANSI size	European size	ANSI size (double gang)
Specifications	<ul style="list-style-type: none"> ● Momentary DPDT ● Weatherproof IP 65, NEMA 4 / 4x / 13 	<ul style="list-style-type: none"> ● Relay rating 1A/30VDC ● Sensor range 4 3/4" (120 mm) max. ● Weatherproof IP 65, NEMA 4 / 4x / 13 	<ul style="list-style-type: none"> ● Relay Rating: 3A/12~28VDC ● Sensor Range: 1/16"~3 15/16"(0.1~10 cm) ● Bi-color LED 		

LED Illuminated - Round				
Model	<p>RTS-020</p> <p>NEW</p> 	<p>RTS-8585</p> <p>NEW</p> 	<p>RTS-700</p> <p>NEW</p> 	<p>RTS-800</p> <p>NEW</p> 
Description	Narrow size	European size	European size	ANSI size
Specifications	<ul style="list-style-type: none"> ● Relay rating 1A/30VDC ● Sensor range 4 3/4" (120 mm) max. ● Bi-color LED 			

Wave Sense Infrared Exit Devices

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





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

Infrared & Wireless Exit Devices





Glossy White (Plastic White Cover)

	RTS-850	RTS-860	RTS-900
Model			
Description	<ul style="list-style-type: none"> • ANSI size • Bi-color status LED • Sensor range 3~15 cm • Relay rating 1A/125VAC, 2A/30VDC 	<ul style="list-style-type: none"> • European size • Bi-color status LED • Sensor range 3~15 cm • Relay rating 1A/125VAC, 2A/30VDC 	<ul style="list-style-type: none"> • European size • Configurable bi-color LED • Sensor range 5~7 cm • Contact rating 1A/30VDC max.

Wireless Exit Devices

	S-RC-WPB-025JS	S-TM-WPB-100	S-TM-WPB-025JS	S-TM-WPB-900
Model				
Description	<p>Wireless Controller Uses RF code-hopping technology 83 x 62 x 30 mm</p>	<p>Remote Transmitter 54.5 x 29.5 x 12 mm</p>	<p>Push Button Transmitter 115 x 40 x 32 mm</p>	<p>Push Button Transmitter 130 x 130 x 72 mm</p>
Specifications	<ul style="list-style-type: none"> • Input voltage 12 to 24 VDC • Accommodates 15 transmitters 	<p>Battery voltage 12 VDC, Frequency 433.3 MHz, Transmitting distance 50 to 60 meters</p>		

Door Release Exit Devices & Motion Sensor Switch

Dual Exit Units (Combined Exit Button & Call Point)				
	PBS-P430C1	PBS-P430C2	PBS-P800C1	PBS-P800C2
Model				
Description	<ul style="list-style-type: none"> ● Stainless steel push button & faceplate ● Break glass call point 	<ul style="list-style-type: none"> ● Stainless steel push button & faceplate ● Resettable call point 	<ul style="list-style-type: none"> ● Plastic push button ● Break glass call point 	<ul style="list-style-type: none"> ● Plastic push button ● Resettable call point
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			Microwave Motion Sensor Switch
	PBA-860	PBA-860DE	PBA-1860	MCS-425
Model				
Description	<ul style="list-style-type: none"> ● Non-latching ● US28/Gloss green finish ● 875 x 66 x 61.5 mm (PBA-600: 600 x 66 x 61.5 mm) 	<ul style="list-style-type: none"> ● Delay egress ● Non-latching ● US28/Gloss green finish ● 875 x 66 x 61.5 mm (PBA-600DE: 600 x 66 x 61.5 mm) 	<ul style="list-style-type: none"> ● Non-latching ● US28 finish ● Bi-color LED indicator ● 875 x 66 x 61.5 mm (PBA-1600: 600 x 66 x 61.5 mm) 	<ul style="list-style-type: none"> ● Emits microwave energy to detect movement ● Input voltage 12 to 24VAC/DC ● Relay rating 3A/120VAC, 3A/24VDC ● Proximity range up to 7 meters ● 122.5 x 72 x 63 mm

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 BTS-115-S	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






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	PBT-900-1	PBT-900-2	PBT-900-3	PBA-900-4
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	PBT-925GLED (Bi-color Green/Red status LED) PBT-925 (No LED, SPDT, 15A 125/250 VAC)	PBT-926GLED (Bi-color Green/Red status LED) PBT-926 (No LED, SPDT, 15A 125/250 VAC)	PBT-950 (Bi-color Blue/Red status LED) PBT-920 (No LED, SPDT, 15A 125/250 VAC)	BT-960WT (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

EXIT BUTTONS & DEVICES

CALL POINTS

	Break Plastic Glass Call Points			Resettable Call Points			
Model	CP-31-GP-UC 	CP-34GP-UC 	CP-34GPBZ-LB-UC 	CP-32G CP-33G 	CP-32G-LB 	CP-32GBZ-LB CP-33GBZ-LB 	CP-32GBZ-LB-ALM 
Switch Pole	Double pole	Quadruple pole	Triple pole	Double pole	Double pole	Double pole	Double pole
Contact Rating	5A 125/250 VAC	5A 125/250 VAC	5A 125/250 VAC	5A 125/250 VAC	5A 125/250 VAC	5A 125/250 VAC	5A 125/250 VAC
Buzzer	No	No	Yes	No	No	Yes	Yes
12/24 VDC input Terminal	No	No	Yes	No	No	No	No
Backlight	—	—	Blue/Green or Blue/Red illumination	—	Blue illumination	Blue illumination	Blue illumination
Case Colors							
Terminal Block Connector	No	No	No	CP-33G Only	No	CP-33GBZ-LB Only	No
Dimensions (mm)	87 x 87 x 55	87 x 87 x 55	87 x 87 x 55	91 x 87 x 53	91 x 87 x 53	91 x 87 x 53	91 x 87 x 53
Accessories	Plastic glass, Clear plastic cover, Test key	Plastic glass, Clear plastic cover, Test key	Plastic glass, Clear plastic cover, Test key	Resettable key, Clear plastic cover	Resettable key, Clear plastic cover	Resettable key, Clear plastic cover	Resettable key, Clear plastic cover, Bead cable tie

KEY SWITCHES

	ANSI Standard			European Standard				Narrow Stile
Model	KS-500	KS-700W	KS-750	KS-7510A	KS-800	KS-810	KS-860	KS-900
								
Switch Contact	SPDT	SPDT	SPDT, DPDT	SPDT	SPDT, DPDT	SPDT, DPDT	SPDT	SPDT, DPDT
Contact Rating	5A/125VAC	5A/125VAC	5A/125VAC	4A/125VAC	5A/125VAC	5A/125VAC	5A/125VAC	5A/125VAC
Switch Type	Momentary	Momentary Alternate (Maintained)	Alternate (Maintained)	Momentary	Alternate (Maintained)	Momentary	Momentary Alternate (Maintained)	Alternate (Maintained) Momentary (For KS-910)
Back Box	No	Optional	Optional	No	Optional	Optional	Optional	Optional
LED	No	No	Optional	No	Optional	Optional	Optional	Optional
Cylinder & Keys	Optional	Optional	Optional	Yes	Optional	Optional	Optional	Optional
Faceplate Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Dimensions	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 1/8" (114 x 69.7 x 35 mm)	4 1/2" x 2 3/4" x 1/8" (114 x 69.7 x 35 mm)	86.3 x 86.3 x 47 mm	86.3 x 86.3 x 47 mm	86.3 x 86.3 x 47 mm	86.3 x 86.3 x 47 mm	109.5 x 52 x 37.5 mm

ELECTROMAGNETIC DOOR HOLDERS

ANSI Standard

	GD900F	GD900W	GD900WE	GD970		GD990	
Model							
Voltage	24 VAC/DC (Special order 12 VAC/DC)	24 VAC/DC (Special order 12 VAC/DC)	24 VAC/DC (Special order 12 VAC/DC)	Dual 12/24 VDC	110 to 220 VAC	Dual 12/24 VDC	110 to 220 VAC
Holding Force (lbs)	80	80	80	32.9	38.8	32.9	38.8
Manual Release Button	Yes	No	Yes	No		No	
Mount	Floor	Flush Wall	Flush Wall	Flush Wall		Flush Wall	
Finish	Black	Stainless steel	Stainless steel	Silver		Stainless steel	
LED	No	No	Yes	No		No	
Armature Plate Type	Swivel	Swivel	Swivel	Swivel		Swivel	
Extention Rod Application	Yes	Yes	Yes	No		No	
Surface Mount Option	—	GD900WS	Optional back box SMB-050	GD970S		GD990S	
UL Certifications	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
	GD640S	GD840S	GD850F	GD860S	RM90
Model					
Voltage(VDC)	24 (Special order 12 VDC)	24 (Special order 12 VDC)	24 (Special order 12 VDC)	24 (Special order 12 VDC)	24 or dual 12/24 (Special order 12 VDC)
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

SINGLE DOOR ACCESS CONTROL KITS

GEM Single Door Access Control Kits incorporate a power supply, E-Access device, push button, and your choice of electric locking devices—electromagnetic lock, electric strike, or electric dropbolt—all in one convenient kit. Designed with easy installation and compatibility in mind, these products are ideal for a full range of single door access control applications.



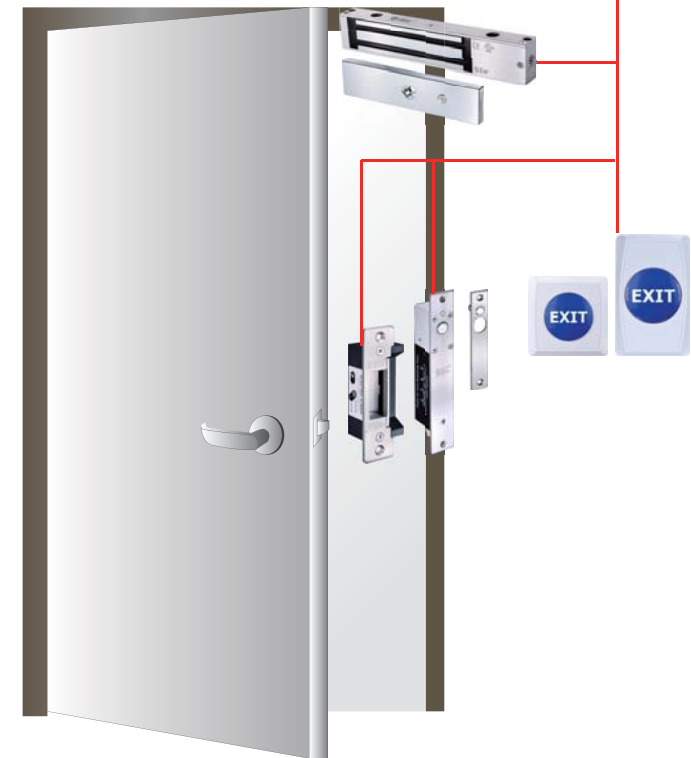
PSM-29TE

Combined PSM-29T Power Supply & E1196 Bluetooth Reader
Bluetooth Access Control Reader Features

- Secure access control via smartphone
- 1 Master, 196 Users
- Bluetooth range up to 50 meters
- Anti-tailgate
- Door held open alarm
- Request-to-exit input

Power Supply Features

- Backup battery charging capability
- Field selectable switch for fail-safe or fail-secure devices
- Power/Battery status LEDs



Single Door Access Control Kit Contents








Model	PSM-29TE	Electromagnetic Lock	Electric Dropbolt	Electric Strike	Push Button
KIT 01	V	GEM-800	—	—	AS-500 /PBT-800
KIT 02	V	GEM-1200	—	—	AS-500 /PBT-800
KIT 03	V	—	EB220N	—	AS-500 /PBT-800
KIT 04	V	—	EB270	—	AS-500 /PBT-800
KIT 05	V	—	—	GK300	AS-500 /PBT-800
KIT 06	V	—	—	GK540	AS-500 /PBT-800



SINGLE DOOR ACCESS CONTROL KITS

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"> Aluminum end caps Armored stainless steel flex conduit 	<p>11 13/16" (300 mm) 15 3/4" (400 mm) 19 11/16" (500 mm)</p>	 <p>DL-350SP-40 DL-350SP-60</p>	<ul style="list-style-type: none"> Aluminum end caps Armored spring steel flex conduit 	<p>15 3/4" (400 mm) 23 5/8" (600 mm)</p>
 <p>DL-200P-30 DL-200P-40 DL-200P-50</p>	<ul style="list-style-type: none"> Silver plastic end caps Armored stainless steel flex conduit Optional finishes: Black, White (For 500 mm length of conduit) 	<p>11 13/16" (300 mm) 15 3/4" (400 mm) 19 11/16" (500 mm)</p>	 <p>DL-370</p>	<ul style="list-style-type: none"> Aluminum end boxes Armored stainless steel flex conduit Silver finish Patented 	<p>15 3/4" (400 mm)</p>
 <p>DL-330-40</p>	<ul style="list-style-type: none"> Aluminum end caps Armored stainless steel flex conduit 	<p>15 3/4" (400 mm)</p>	 <p>DL-370-US40</p>	<ul style="list-style-type: none"> Aluminum end boxes Armored stainless steel flex conduit US 40 finish Patented 	<p>15 3/4" (400 mm)</p>
 <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"> Aluminum end caps Armored stainless steel flex conduit 	<p>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>			

ACCESS CONTROL ACCESSORIES

Power Transfer Door Loops (Mortise Mount)		
Model	Description	Dimensions
 DL-400	<ul style="list-style-type: none"> • Steel case • Nickel-plated steel flex conduit 	11 7/16" x 15/16" x 5/8" (290 x 24.5 x 16.3 mm)
 DL-417ST	<ul style="list-style-type: none"> • Stainless steel case • Stainless steel flex conduit • For metal frames 	11 7/16" x 15/16" x 13/16" (290 x 24.5 x 20 mm)
 DL-500 DL-500MP	<ul style="list-style-type: none"> • Zinc alloy case • Stainless steel flex conduit • For wood frames 	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
 DL-360TB	<ul style="list-style-type: none"> • Aluminum end boxes • Armored stainless steel flex conduit • Includes terminal boards • Patented 	Length of conduit 15 3/4" (400 mm)
 DL-417ST-TB	<ul style="list-style-type: none"> • Stainless steel case • Stainless steel flex conduit • Includes terminal boards • For metal frames 	12 5/8" x 1" x 2 1/6" (320 x 25 x 53 mm)
 DL-500-TB	<ul style="list-style-type: none"> • Zinc alloy case in ivory finish • Stainless steel flex conduit • Includes terminal boards • For wood frames • Patented 	12 5/8" x 15/16" x 2 3/16" (320 x 24.5 x 55 mm)

ACCESS CONTROL ACCESSORIES

LED Indicator Ligjts		
Model	Description	Faceplate Material
 TLM-100MTS	<ul style="list-style-type: none"> • Narrow size • Red & Green LEDs for lock status • Flush mounted • (Surface mount option TLM-100) 	Stainless steel
 TLM-300	<ul style="list-style-type: none"> • Narrow size • Red & Green LEDs for lock status • Flush mounted • (Surface mount option TLM-300S) • Push button included 	Zinc alloy
 TLM-400	<ul style="list-style-type: none"> • Narrow size • Red & Green LEDs for lock status • Flush mounted • (Surface mount option TLM-400S) 	Zinc alloy
 TLM-600N	<ul style="list-style-type: none"> • Narrow size • Red & Green LEDs for lock status • Flush mounted 	Stainless steel
 TLM-600-4	<ul style="list-style-type: none"> • Narrow size • Red & Green LEDs for lock status • Flush mounted • Push button included 	Stainless steel
 TLM-200	<ul style="list-style-type: none"> • European size • Red & Green LEDs for lock status • Flush mounted • Optional back box available 	Stainless steel

Magnetic Contacts		
Model	Description	Operating Gap
 GMC-2071	<ul style="list-style-type: none"> • Door status monitor • SPDT contact • Wire mounted • Aluminum alloy case 	Wood: 25 mm Iron: 5 mm
 GMC-2071-AR	<ul style="list-style-type: none"> • Door status monitor • SPDT contact • Armored cable included • Wire mounted • Aluminum alloy case 	Wood: 34 mm Iron: 7 mm
 GMC-2031	<ul style="list-style-type: none"> • Door status monitor • SPDT contact • Screw mounted • Plastic case 	Wood: 29 mm Iron: 18 mm

ACCESS CONTROL ACCESSORIES

Door Latches		Door Control Modules		Rectifier Gadgets	
Model	Description	Model	Description	Model	Description
 <p>LS-1802GF</p>	<ul style="list-style-type: none"> Stainless steel latchbolt Zinc alloy construction & faceplate For wood doors 	 <p>ILM-200</p>	<p>2 Door interlock Module</p> <ul style="list-style-type: none"> Controls the opening of 2 doors Used in high security or confidential areas 	 <p>SM1224-1A-N</p>	<ul style="list-style-type: none"> Input voltage 12 to 24VAC/DC Output voltage 1A/12VDC Output status LED
 <p>LS-2200</p>	<ul style="list-style-type: none"> Stainless steel latchbolt Anti-friction roller bolt design Aluminum alloy construction Stainless steel faceplate For wood doors 	 <p>DBR-200</p>	<p>Versatile Relay Module</p> <ul style="list-style-type: none"> DPDT changeover contacts Relay rating 5A/250VAC · 5A/24VDC 	 <p>SM1224BZ-1A</p>	<ul style="list-style-type: none"> Input voltage 12 to 24VAC/DC Output voltage 1A/12VDC Output status LED Built-in buzzer
 <p>LS-3500/3600</p>	<ul style="list-style-type: none"> Stainless steel latchbolt Easily reversible bolt Round/Square faceplate option For wood/hollow metal doors Operates with knob/lever/thumb turn (Model LS-3600 operates with cylindrical knob/lever) 	 <p>FFP-1224-7A</p>	<p>Fire Alarm Relay Module</p> <ul style="list-style-type: none"> Fire alarm release module For fail-safe/fail-secure devices Relay rating 7A/30VDC 	 <p>SM1224-TBZ</p>	<ul style="list-style-type: none"> Input voltage 12 to 24VAC/DC Output voltage 1A/12VDC Output status LED Built-in buzzer Anti-tailgate function Relock time delay
				 <p>CPP912</p>	<ul style="list-style-type: none"> Input voltage 12 to 32 VDC or 12 to 24 VAC Prolonged solenoid life Provides cooler strike operation For fail-safe electric strikes
				 <p>CPP1824</p>	<ul style="list-style-type: none"> Input voltage 24 to 33 VAC/DC Prolonged solenoid life Provides cooler strike operation For fail-safe electric strikes

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