

Electric Strikes

GK1800 Series

Low Profile Strikes



The GK1800 series electric strikes are designed for installation on wood or hollow metal jambs/frames for access control of cylindrical/mortise/rim type locksets. Featuring a compact body and low-profile 1/2" depth, the GK1800 series is available with different styles of faceplates for a wide range of applications.

Standard Features

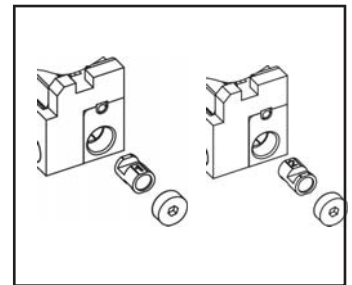
- Operating Voltage: 12VDC, 24VDC, 12/24VDC
- Easy installation
- Non-handed
- Field reversible fail-safe or fail-secure
- For 1/2"(13mm) latch to 5/8"(16mm) latch (with 1/8"(3mm) door gap)
- Static strength 500 lbs (226Kg)
UL Witness test: 700 lbs
- Dynamic strength 50 ft-lbs
- Endurance 1,000,000 cycles
- Includes keeper shims for horizontal adjustment

Patents, Approvals, and Listings

- ETL UL1034 & UL294



Compact size lock body



Fail-Safe or Fail-Secure changeable



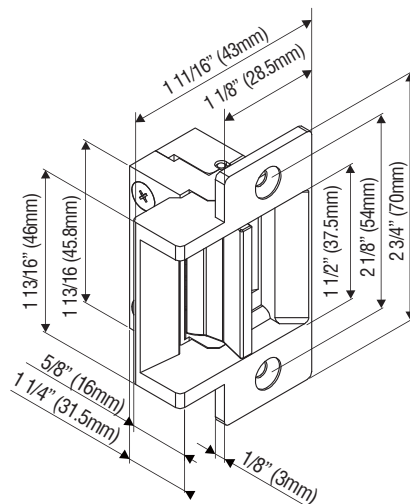
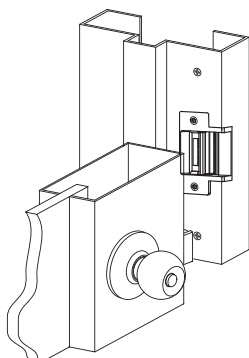
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GK1810 Electric Strike

For Cylindrical Locksets

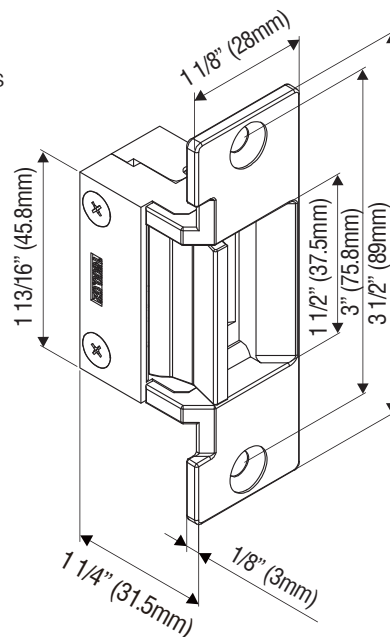
- Accommodates cylindrical type locksets and door latches (GEM LS series or tubular latches)
- Compact size for tight or difficult installations
- Black powder coated finish on zinc alloy faceplate



GK1820 Electric Strike

For Cylindrical or Mortise Locksets

- Accommodates cylindrical or mortise* type locksets and door latches (GEM LS series or tubular latches)
- Silver powder coated finish on stainless steel faceplates
- 2 Faceplate sizes available (specify model when ordering)



Faceplate Dimensions

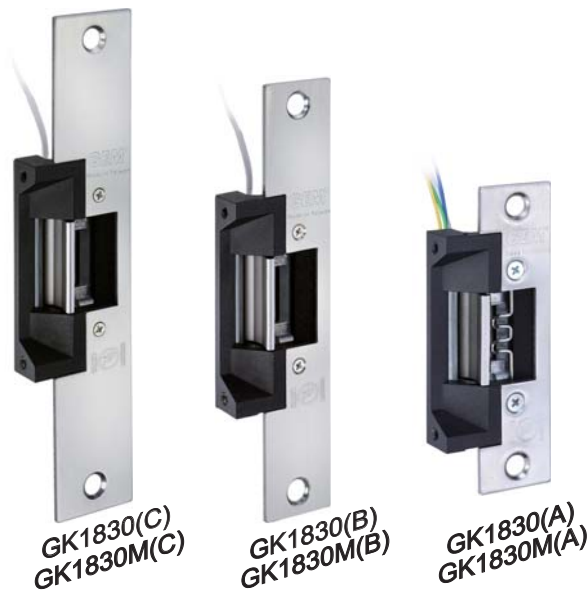
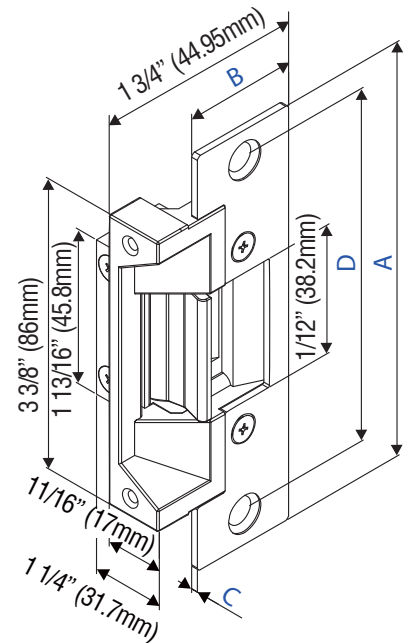
Models	A	B	C	D
GK1820	3 1/2" (89mm)	1 1/8" (28mm)	1/8" (3mm)	3" (75.8mm)

*Recommended for use with mortise locksets without deadbolt. Check compatibility depending on the actual specifications by the manufacturer.

GK1830 & GK1830M Electric Strike

For Cylindrical or Mortise Locksets

- Accommodates cylindrical or mortise* type locksets and door latches (GEM LS series or tubular latches)
- Brushed stainless steel faceplates
- 3 Faceplate sizes available (specify model when ordering)
- Constructed of strike body and faceplate assembly (including faceplate and holder/lip bracket)
- GK1830M Series features latch monitoring output, rated at 1A/125VAC



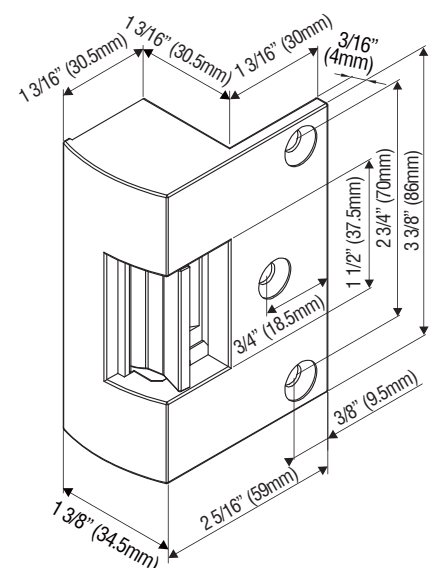
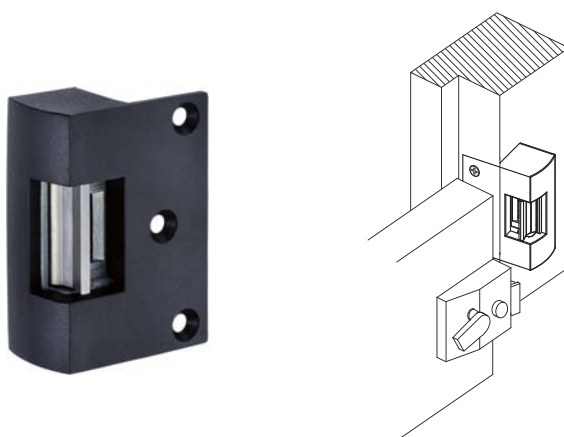
Faceplate Dimensions

Models	A	B	C	D
GK1830A	4 13/16\" (123mm)	1 1/4\" (31.2mm)	1/16\" (2mm)	4 1/8\" (105mm)
GK1830B	6 7/8\" (174.6mm)	1 1/4\" (31.75mm)	1/16\" (2mm)	6 1/8\" (155.6mm)
GK1830C	7 15/16\" (201.6mm)	1 7/16\" (36.5mm)	1/16\" (2mm)	7 1/16\" (180mm)

GK1840 Electric Strike

For Rim Nightlatches

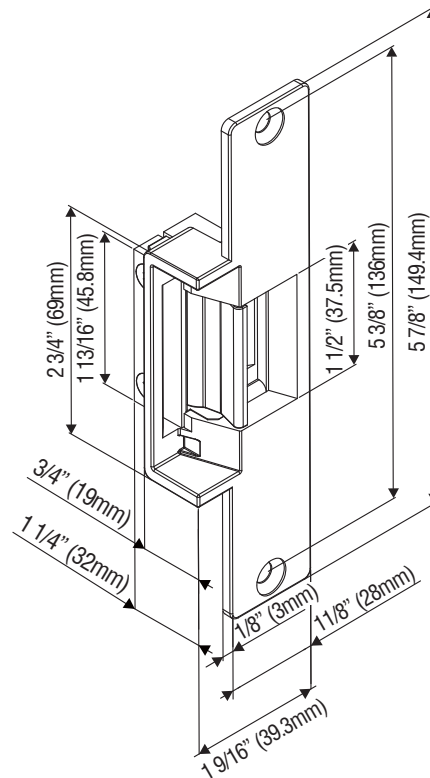
- Surface mounted strike designed for use with rim type nightlatches
- Black powder coated finish on stainless steel housing



*Recommended for use with mortise locksets without deadbolt. Check compatibility depending on the actual specifications by the manufacturer.

GK1850 Electric Strike

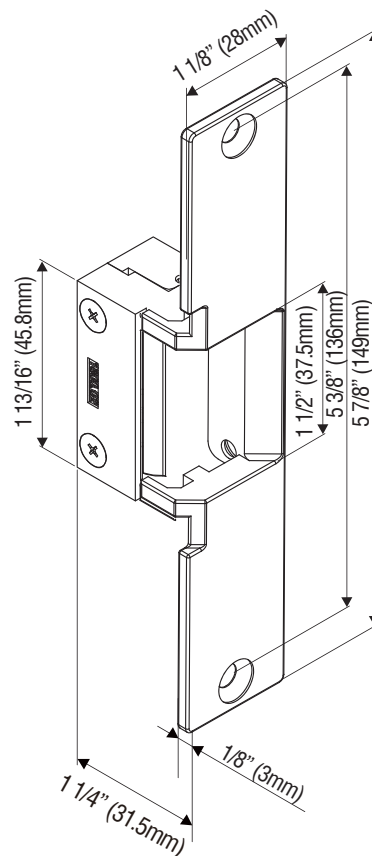
- Accommodates cylindrical type locksets and door latches (GEM LS series or tubular latches)
- Silver powder coated finish on zinc alloy faceplate



GK1860 Electric Strike

For Cylindrical or Mortise Locksets

- Accommodates cylindrical or mortise* type locksets and door latches (GEM LS series or tubular latches)
- Silver powder coated finish on stainless steel faceplates
- 2 Faceplate sizes available (specify model when ordering)



Faceplate Dimensions

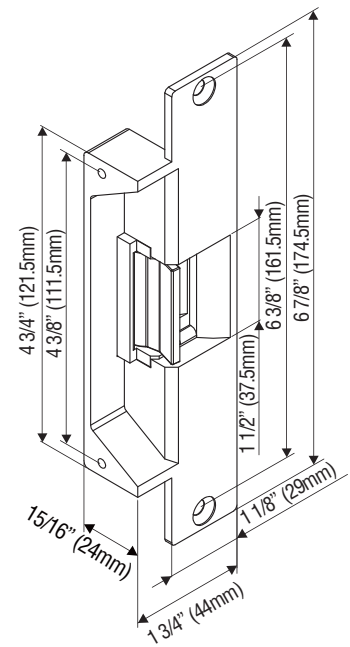
Models	A	B	C	D
GK1860	5 7/8" (149.5mm)	1 1/8" (28mm)	1/8" (3mm)	5 3/8" (136mm)

*Recommended for use with mortise locksets without deadbolt. Check compatibility depending on the actual specifications by the manufacturer.

GK1870 Electric Strike

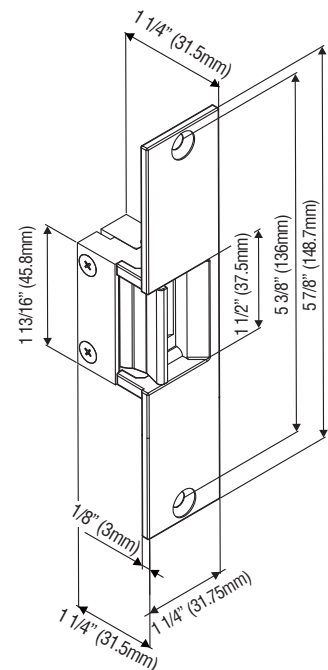
For Cylindrical or Mortise Locksets

- Accommodates cylindrical or *mortise type locksets and door latches (GEM LS series or tubular latches)
- Black powder coated finish on stainless steel faceplate
- Pre-drilled with lip extension holes



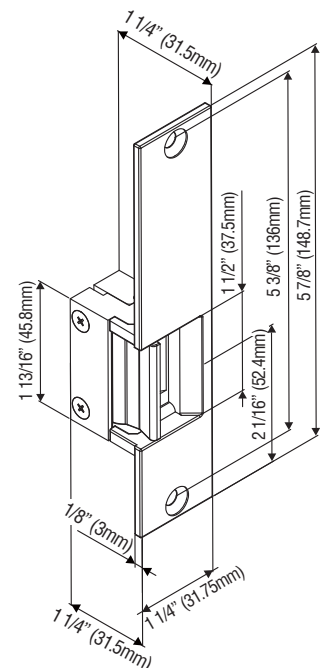
GK1880 Electric Strike

- Accommodates cylindrical type locksets and door latches (GEM LS series or tubular latches)
- Silver powder coated finish on zinc alloy faceplate



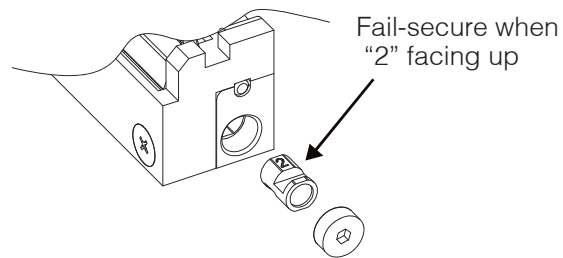
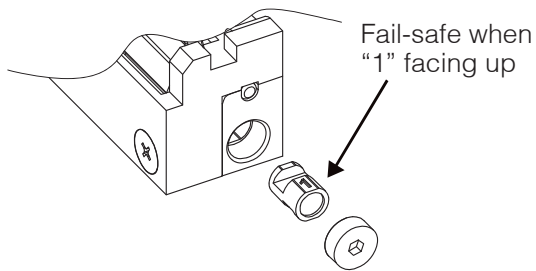
GK1885 Electric Strike

- Accommodates cylindrical type locksets and door latches (GEM LS series or tubular latches)
- Silver powder coated finish on zinc alloy faceplate



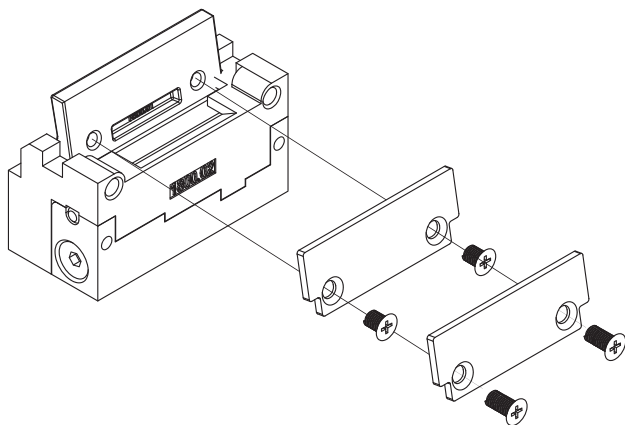
Changing Fail-Safe or Fail-Secure

Fail-safe or Fail-secure is field reversible by reversing the mode stud.



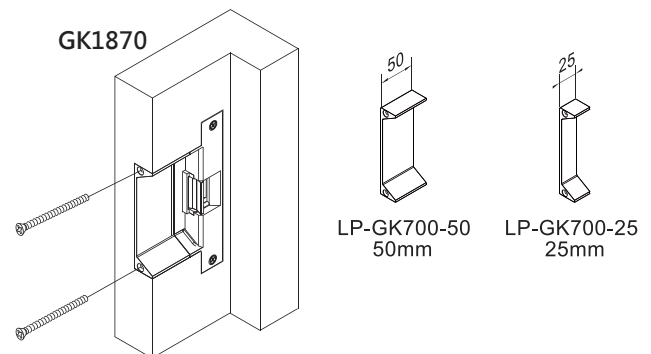
Horizontal Adjustment

Attach shims to the keeper if horizontal adjustments of the strike is needed.



Lip Extensions (Optional)

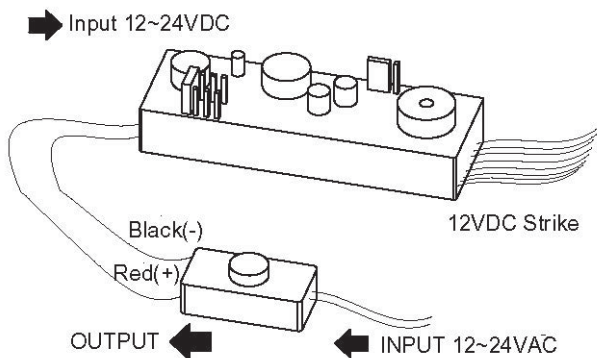
Lip extensions are provided to meet the needs of a particular jamb width. Available only for GK1870 as optional accessories.



Electrical Accessory SM1224-TBZ (Option)

The SM1224-TBZ is a bridge rectifier with a built-in buzzer. It can stepped down and regulate incoming voltage to prevent damage to the electric locks caused by power supplies that are potentially unreliable.





- Input: 12~24VAC/DC
- Output: 1A/12VDC
- Selectable relock time
- Built-in buzzer and bridge rectifier module
- Reed door sensor input
- Surge protection, overload and short-circuit proof



Warranty Statement

The product is warranted against defects in material and workmanship while used in normal service for a period of 3 years from the date of sale to the original client. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

Comparison Chart

		GK1810	GK1820	GK1830/30M	GK1840
					
Electrical	12VDC,24VDC ,12/24VDC	●	●	●	●
	Single Voltage: 170mA/12VDC,85mA/24VDC Dual Voltage: 180mA/12VDC,90mA/24VDC	●	●	●	●
	Field Reversible Fail-Safe/Fail-Secure	●	●	●	●
Specifications	Up to 5/8" (16mm) Latch Throw	●	●	●	●
	Latch Monitoring	—	—	●	—
	Zinc Alloy Body	●	●	●	●
	1 M Cycle Testing	●	●	●	●
	RoHS Compliant	●	●	●	●
Faceplate	Length	2 3/4"(70 mm)	3 1/2"(89mm)	A - 4 1/16 (123 mm) B - 6 7/8"(174.5mm) C - 7 15/16"(201.6mm)	3 3/8"(86mm)
	Finish	Black powder	Silver powder	Brushed stainless steel	Black powder
	Material	Zinc alloy	Stainless steel	Stainless steel	Stainless steel
Holding Force	Static Strength 1200 lbs	●	●	●	●
	Dynamic Strength 50 ft-lbs	●	●	●	●
Application	Hollow Metal Frame	●	●	●	—
	Wood Frame	●	●	●	●
	Mortise Mount	●	●	●	—
	Surface Mount	—	—	—	●
	Cylindrical Locksets	●	●	●	—
	*Mortise Locksets	—	●	●	—
	Mortise Door Latches	●	●	●	—
	Rim Nightlatches	—	—	—	●
	Horizontal Adjustment (with Keeper Shims)	●	●	●	●
Optional Accessories	Lip Extensions	—	—	—	—
	SM1224-TBZ Rectifier	●	●	●	●

*Recommended for use with mortise locksets without deadbolt. Check compatibility depending on the actual specifications by the manufacturer.

Comparison Chart



		GK1850	GK1860	GK1870	GK1880	GK1885
Electrical	12VDC,24VDC ,12/24VDC	●	●	●	●	●
	Single Voltage: 170mA/12VDC,85mA/24VDC Dual Voltage: 180mA/12VDC,90mA/24VDC	●	●	●	●	●
	Field Reversible Fail-Safe/Fail-Secure	●	●	●	●	●
Specifications	Up to 5/8" (16mm) Latch Throw	●	●	●	●	●
	Latch Monitoring	—	—	—	—	—
	Zinc Alloy Body	●	●	●	●	●
	1 M Cycle Testing	●	●	●	●	●
	RoHS Compliant	●	●	●	●	●
Faceplate	Length	5 7/8"(149.5 mm)	5 7/8"(149.5mm)	6 7/8"(174.5 mm)	5 7/8"(149 mm)	5 7/8"(149 mm)
	Finish	Silver powder	Silver powder	Black powder	Silver powder	Silver powder
	Material	Zinc alloy	Stainless steel	Stainless steel	Zinc alloy	Zinc alloy
Holding Force	Static Strength 1200 lbs	●	●	●	●	●
	Dynamic Strength 50 ft-lbs	●	●	●	●	●
Application	Hollow Metal Frame	●	●	●	●	●
	Wood Frame	●	●	●	●	●
	Mortise Mount	●	●	●	●	●
	Surface Mount	—	—	—	—	—
	Cylindrical Locksets	●	●	●	●	●
	*Mortise Locksets	—	●	●	●	●
	Mortise Door Latches	●	●	●	●	●
	Rim Nightlatches	—	—	—	—	—
	Horizontal Adjustment (with Keeper Shims)	●	●	●	●	●
Optional Accessories	Lip Extensions	—	—	●	—	—
	SM1224-TBZ Rectifier	●	●	●	●	●

*Recommended for use with mortise locksets without deadbolt. Check compatibility depending on the actual specifications by the manufacturer.