

The Stirling range is a compact high performance single-point, surface mounted locking system, tested and certified to multiple international standards against forced entry, blast, ballistic and fire protection. Stirling has been engineered to provide multiple entry & exit methods, making the range incredibly versatile and suitable for most applications.

Entry includes single key operation to unlock and release, alternatively key or access control with lever handle, or complete hands-free motorised remote operation. A choice of controlled, or life-safety panic/emergency exit is available to meet a wide range of egress requirements. Manufactured in 316 stainless steel for hostile environments and durability.



FEATURES

- Surface mounted for maximum strength
- 19mm (3/4") square bolt x 25mm (1") throw
- 316 grade stainless steel construction for hostile environments and durability
- Proven rack & pinion driven
- Tested to over 1,000,000 cycles
- Anti-thrust resistance available (seven times BS 3621)
- To suit Rim and Euro Profile cylinders (order cylinder separately)
- Steel template provides for fast installation

BENEFITS

- Choice of securing upon door closure (automatic or manual)
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service
- Easy retrofit, to upgrade existing doors

OPTIONAL ENHANCEMENTS

- Monitoring of bolt & lock status
- Request to Exit (REX)
- External key override in case of power failure (order cylinder separately to activate)
- Cylinder guard protection available from our tested and accredited range
- Breakdome over thumbturn and lever handle to control exit
- Sandwich through-bolt fixing kits for easier retro-fit installation
- Bolt-through loadplate for cylinder guard installation

PRODUCT PERFORMANCE CHART

☐ Indicates product has been certified, or tested & approved as part of a complete doorset assembly. Product certification is subject to the chosen lock configuration, for full details please contact the sales office.



SECURITY															SAFETY	BALLISTIC	BLAST	FIRE	CORROSION	CYCLES				
LPS 1175								LPS 1673 (AR.)					FEBR (min)	EN 1627							STS 202	PAS 24	LPS 2081	
Issue 7	SR1	SR2	SR3	SR4	SR5	SR6	SR7																	SR8
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN 1522 FB6	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5								
10 MIN	A10	B10	C10	D10					180 SEC					15	RC4	BR4			EN 179	UL752 Level 1-10		EN 1634-1	GR4	500K
5 MIN									120 SEC						RC3	BR3								
3 MIN									60 SEC					5	RC2	BR2		SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3	
1 MIN									30 SEC						RC1	BR1					BS 476-22	GR2	200K	
																					GR1			

ENTRY FUNCTION (OPTIONS)

KEY DRIVEN	Key to unlock & release
KEY & LEVER HANDLE	Key to unlock & lever handle to release
ACCESS CONTROL	Access control to unlock & lever handle to release
MOTORISED	Single remote activation to unlock & release



KEY & LEVER HANDLE

EXIT FUNCTION (OPTIONS)

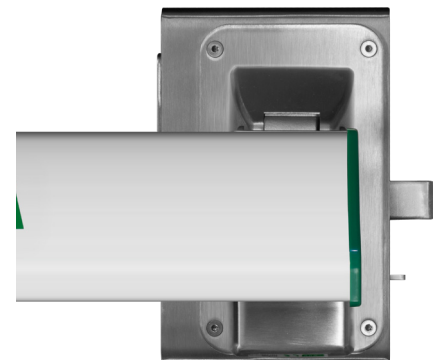
PANIC BAR	Life-safety panic exit
EMERGENCY – PUSH PAD	Single operation exit
EMERGENCY – LEVER HANDLE	Single operation exit
KEY & LEVER HANDLE	Key to unlock & lever handle to release
THUMBTURN & LEVER HANDLE	Thumbturn to unlock & lever handle to release
BREAK DOME & LEVER HANDLE	Break dome & thumbturn to unlock & lever handle to release
ACCESS CONTROL & LEVER HANDLE	Access control to unlock & lever handle to release
MOTORISED	Single remote activation to unlock & release



MOTORISED

LOCK FUNCTION (OPTIONS)

AUTO DEADLOCKING	Automatic deadlocking upon door closure (Storeroom function)
MANUAL DEADLOCKING	Manual deadlocking upon door closure (Classroom function)
NO DEADLOCKING	Panic & emergency exit only

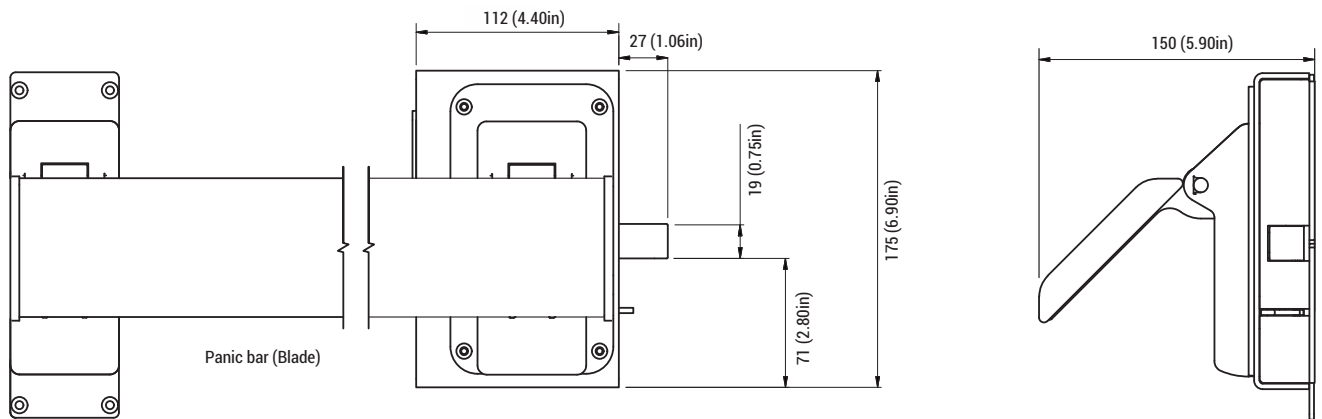


PANIC & EMERGENCY EXIT

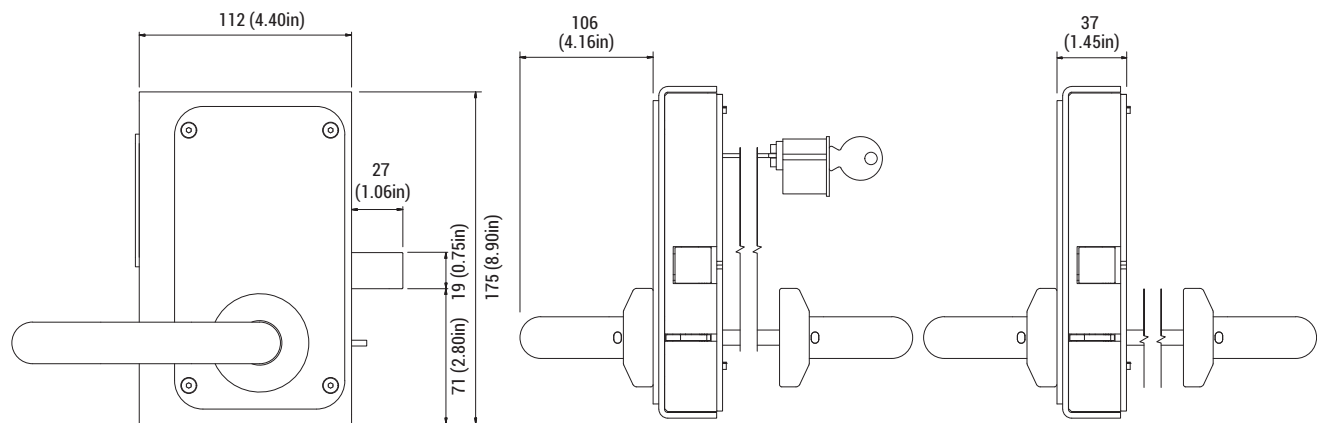
BOLT FUNCTION (OPTIONS)

AUTO BOLTING	Automatic bolting upon door closure
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STIRLING TECHNICAL DRAWINGS

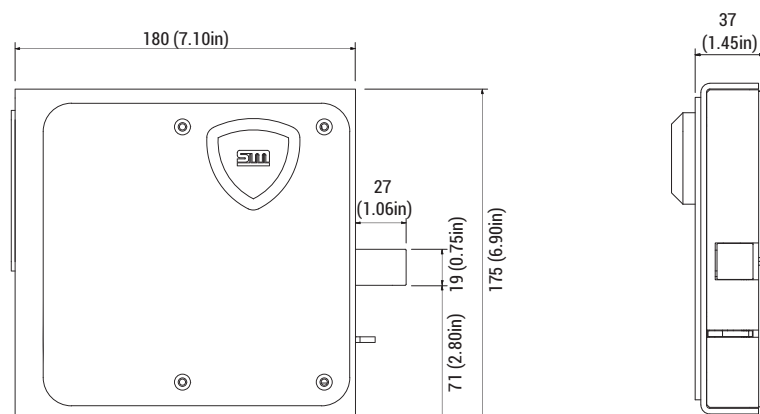


STIRLING PANIC & EMERGENCY EXIT



STIRLING KEY DRIVEN

STIRLING KEY / ACCESS CONTROL & LEVER HANDLE



STIRLING MOTORISED

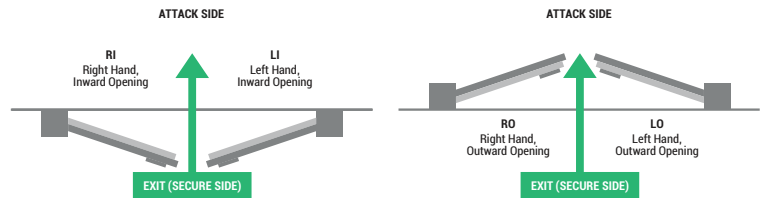
Intellectual Property Rights

All Surelock products are the subject to intellectual property rights. These include pending and approved patent and design rights, in particular to the Stirling: EPEP2311/2115252, US8616591. In accordance with our policy of continual development and improvement we reserve the right to make changes in design and specifications without notice.

SELF CODING SYSTEM

The Stirling (ST) has a structured ordering code that covers the chosen methods of entry, exit and securing, followed by the mounting and orientation codes, additional enhancements can be added to further customise the device.

EXAMPLE ORDER CODE: ST1A-AMLS-AA-LMLS



PRODUCT			ENTRY		SECURING		EXIT	
RANGE	BOLTS		UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
ST	Stirling	1	X	None	AA	Auto bolting / Auto deadlocking	X	None
BOLT DIRECTION			K	Key	AM	Auto bolting / Manual deadlocking	K	Key
A	Horizontal bolt	A	Access control		AB	Auto bolting only	Access control	
			L	Single Handed / Panic - Emergency			T	Thumbturn
			BOLT RETRACTION				L	Single Handed / Panic - Emergency
			X	None			BOLT RETRACTION	
			M	Manual			X	None
			P	Motorised Bolt Retraction			M	Manual
			OPERATOR				P	Powered (Electric)
			XX	None			OPERATOR	
			LS	Lever handle (Tubular straight)			LS	Lever handle (Tubular straight)
			US	Profile lever handle (Straight)			US	Profile lever handle (Straight)
			KK	Key			PB	Panic bar (Blade aluminium)
							PP	Push pad
							PE	Panic bar (Tubular st/st)

EXAMPLE BOLT DIRECTIONS

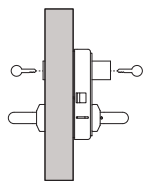
See coding chart above for reference



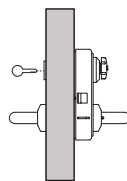
No. Bolts (1)
Direction (A)

EXAMPLE ENTRY/EXIT DIRECTIONS

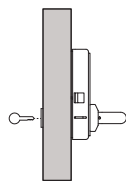
See coding chart above for reference



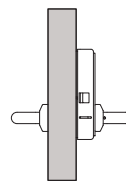
Entry (KMLS)
Exit (KMLS)



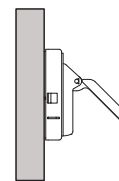
Entry (KMLS)
Exit (TMLS)



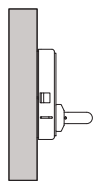
Entry (XMKK)
Exit (LMLS)



Entry (AMLS)
Exit (AMLS)



Entry (APXX)
Exit (LMPB)



Entry (APXX)
Exit (LMLS)

For further ENTRY and EXIT methods & a full range of enhancements please contact our sales office.

STIRLING ACCESS CONTROL POWER CONSUMPTION

VOLTAGE	POWER CONSUMPTION PER SOLENOID	CURRENT DRAW PER SOLENOID	RECOMMENDED POWER SUPPLY
12 V	7 W	0.6 A	12 V 1.0 A
24 V	7 W	0.3 A	24 V 0.5 A

STIRLING MOTORISED POWER CONSUMPTION

VOLTAGE	POWER CONSUMPTION PER MOTOR	CURRENT DRAW PER MOTOR	RECOMMENDED POWER SUPPLY
24 V	48 W	2 A	24 V 2 A (110V to 240V ac) Power supply provided with lock