

SL30 SGL Quick Start Guide



- Wiring the lock requires at least three connections; red (positive), black (negative), and blue (control).
- Ensure the power supply has the following current available to power the lock when supplied with the following; 400mA for 24VDC supply and 750mA for 12VDC supply.
- Use an appropriate wire gauge for the wire run distance between the lock and power supply.
- Do not mount the lock in the floor operating upwards or in an environment where it can get wet

Warranty Information

The product is covered by a 3-year manufacturers' warranty against faulty or malfunctioning parts, components, or product. A faulty product can be returned at the customers' expense to the seller for review. At the seller's discretion, either a replacement lock or affected part will be supplied to remedy the fault. Removing the lock cover or faceplate screws may void the warranty. Mistreatment or ill-use of the lock may void the warranty.

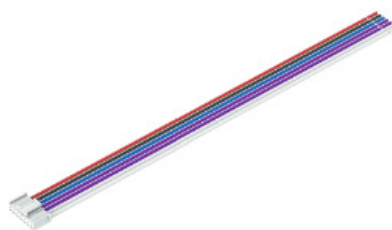
Package Contents



Lock



Strike Plate

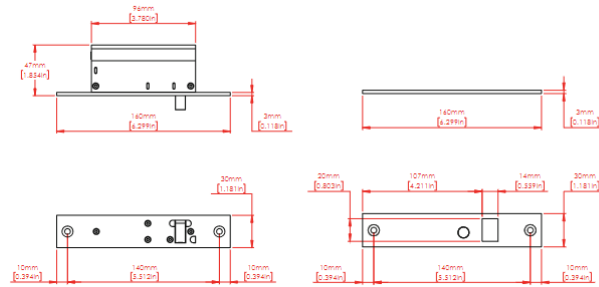


Wiring loom



4x mounting screws

Product Dimensions



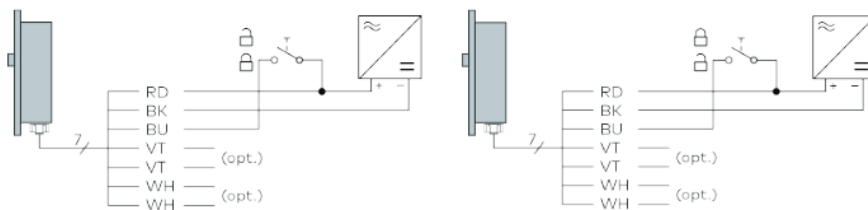
Wiring Gauge Table

Conductor Cross Sectional Area		Maximum Distance	
#AWG	(mm ²)	at 12VDC	at 24VDC
24	0.20	10m (33ft)	30m (98ft)
22	0.33	16m (52ft)	48m (157ft)
20	0.52	26m (85ft)	77m (253ft)
18	0.82	41m (135ft)	122m (400ft)
16	1.31	65m (213ft)	195m (640ft)
14	2.08	103m (338ft)	310m (1017ft)

Wiring IO Table

Wire Colour	Meaning	Description
RED	Power Supply (12 - 24VDC)	Positive connection to DC power supply, "+"
BLACK		Negative connection to DC power supply, "-"
BLUE	Control	Switched positive control input
VIOLET	Bolt Position Monitor	Normally open contact (NO), closed when the bolt pin is extended (<i>optional</i>)
VIOLET		
WHITE	Door Position Monitor	Normally open contact (NO), closed when the strike is aligned with the lock (<i>optional</i>)
WHITE		

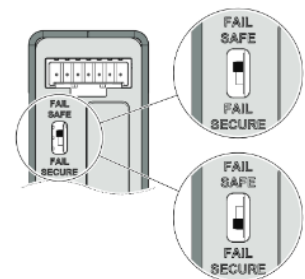
How to wire the lock for each operating mode



Fail Safe Wiring, control high to lock.

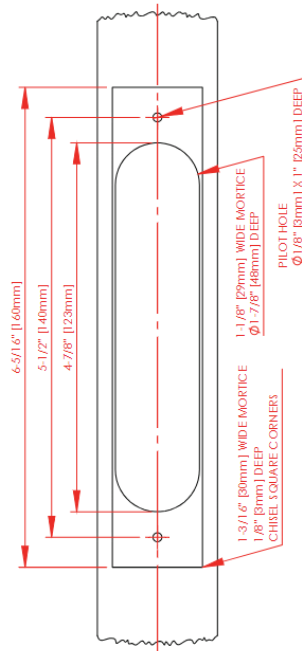
Fail Secure Wiring, control low to lock.

How to set the operating mode



Toggle the switch on the product before powering up

Wooden Door Frame Mortice Example SL30 SGL



The dimensioned drawing is an example of how to cut the mortice for the lock into a timber door frame. This should be centered with the centre of the door leaf when closed.

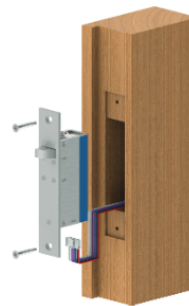
Cut any additional pathways required for the wiring loom.

Ensure the lock is orientated such that the bolt pin pulls the door in towards the door jamb.

Pull wiring through and connect to the lock, then fit lock into mortice and secure with included mounting screws.

Repeat process for strike plate allowing room behind bolt pin hole.

Alternative mounting options are available for metal and glass. Refer to installation and operating instructions for accessories and alternative mounting procedures.



MP001802.002
DN 01007/002 10-2023

Any questions? We would be happy to advise you.

Contact us at: 01462 477600