Wiring Diagram

FSL-700S-BLE series are ANSI sized electric strikes for metal and wooden door frames. They are designed for use with cylindrical locks. The electric strike can easily be configured to either fail-safe or fail-secure modes.
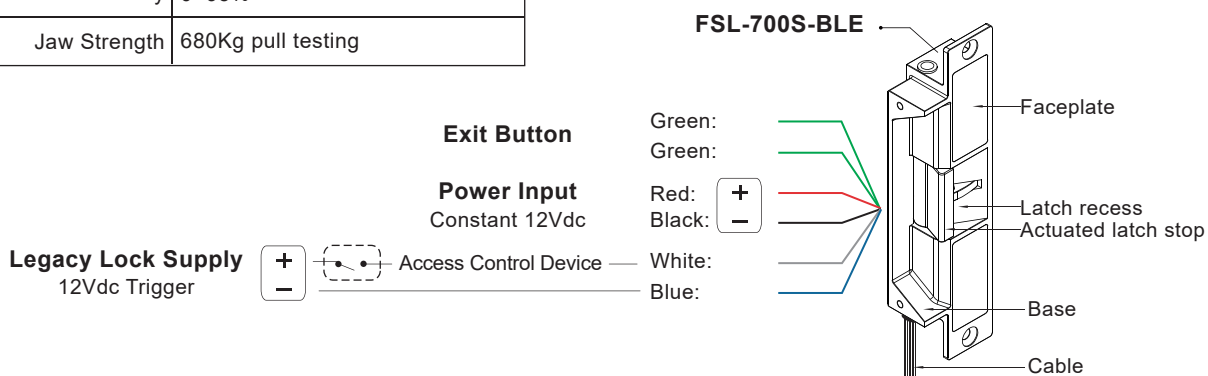
Default lock setting is fail-secure.
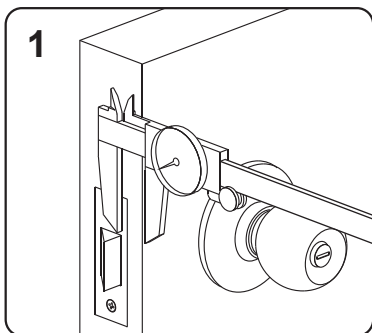Exit button timing is fixed to 10sec.
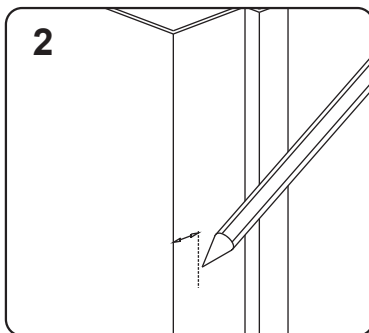Default legacy lock supply activates on change from 0Vdc to 12Vdc

nearkey

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Operating Voltage	12Vdc Only
Voltage Tolerance	±10%
Current Draw	12VDC/100mA
Operating Temperature	-10˚C~+45˚C
Humidity	0~95%
Jaw Strength	680Kg pull testing

FSL-700S-BLE

Faceplate

Latch recess
Actuated latch stop

Base

Cable

Exit Button

Power Input
Constant 12Vdc

Legacy Lock Supply
12Vdc Trigger

Access Control Device
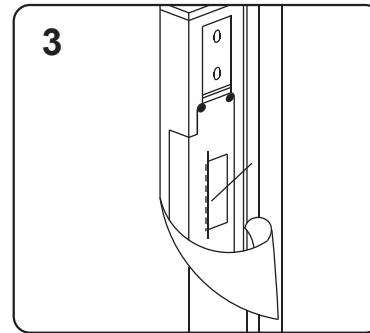
Green:
Green:
Red: +
Black: −
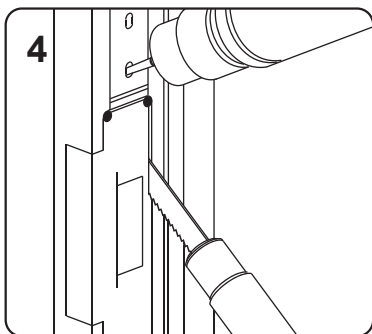White:
Blue:

Installation Instructions

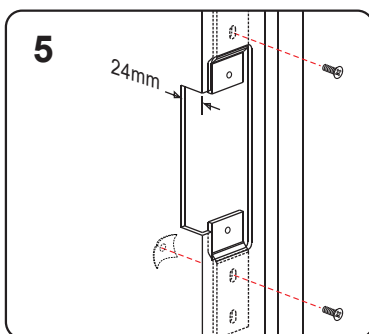**1** Measure the vertical and horizontal position of the latch bolt on the door leaf

2 Mark the position of the latch bolt on the door frame as shown in figure
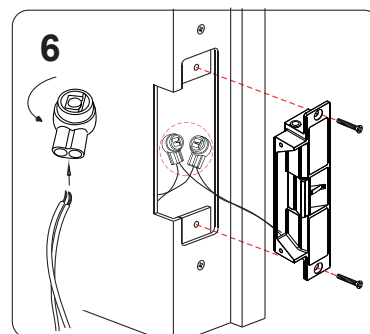
3 Align the installation template supplied to the marked line

4 Drill the holes and cut the door off as indicated by the template

5 Fit the fixing plugs tightly (24mm)

6 Connect the power and test the electric strike before finally mounting the unit
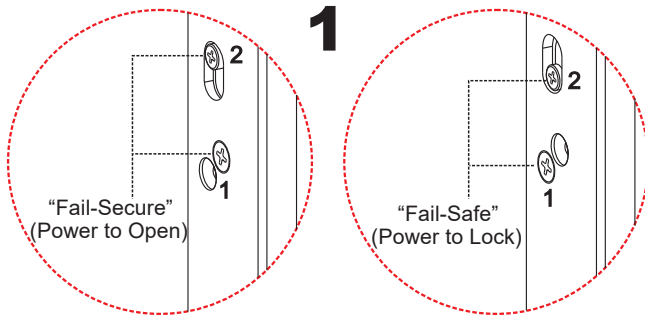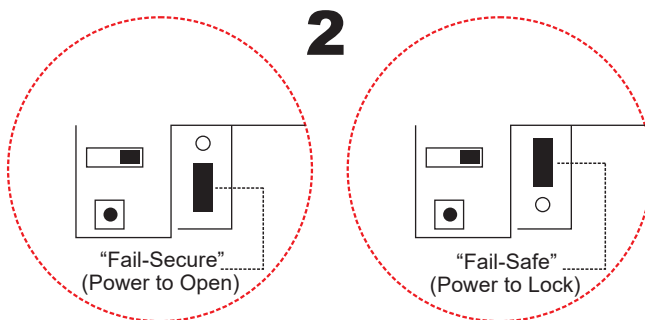
⚠️ **Note** It must be ensured that there is a small space between the latch bolt and actuated latch stop when the door is closed and the latch bolt is in its locked position. This will relive pressure on the solenoid valve and reduce the risk of failure when opening the door.

How to Change Between Fail-Secure / Safe

To change between fail-safe and fail-secure modes, change the position of screw 1 (as marked on the diagram) after sliding screw 2 into place as desired.
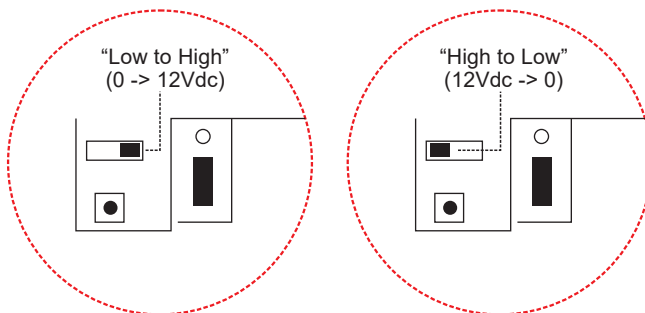
1

"Fail-Secure"
(Power to Open)

"Fail-Safe"
(Power to Lock)

Then open up the back plate of the lock and change the jumper on the bottom circuit board to NC position

2

"Fail-Secure"
(Power to Open)

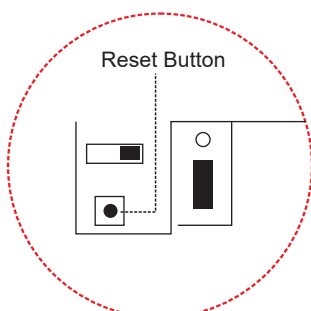"Fail-Safe"
(Power to Lock)

Legacy Lock Connection

To change between triggering from the default setting of low to high (0Vdc -> 12Vdc) i.e. on receipt of 12Vdc activate and high to low (12Vdc -> 0Vdc) i.e. from a constant 12Vdc to no voltage then activate open up the back plate of the lock and adjust the switch.

"Low to High"
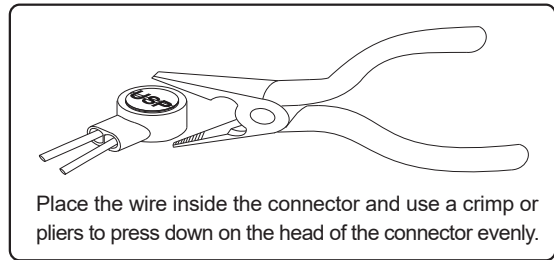(0 -> 12Vdc)

"High to Low"
(12Vdc -> 0)

Reset Nearkey Configuration

To reset your BLE lock to factory default settings, open up the back plate of the lock and change press and hold the reset button for 5secs then release.
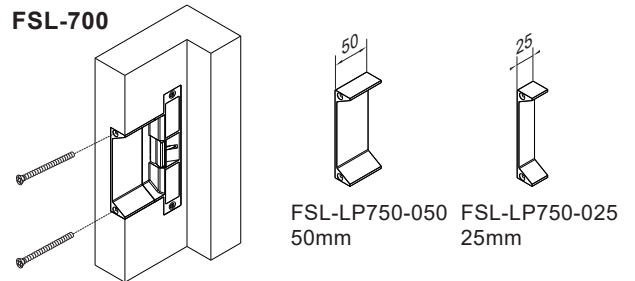
Reset Button

Butt Splice (IDC) Connector

Place the wire inside the connector and use a crimp or pliers to press down on the head of the connector evenly.

Optional Brackets

Lip extension brackets are recommended for door frames with wide jambs.

FSL-700

50

25

FSL-LP750-050
50mm

FSL-LP750-025
25mm

Mortise Mount on Wooden Frames

FSL-700 on Wooden Frames

Inswing