

SL-100 Series FAIL-SAFE TYPE DEADBOLT LOCK INSTALLATION MANUAL

※ Specifications

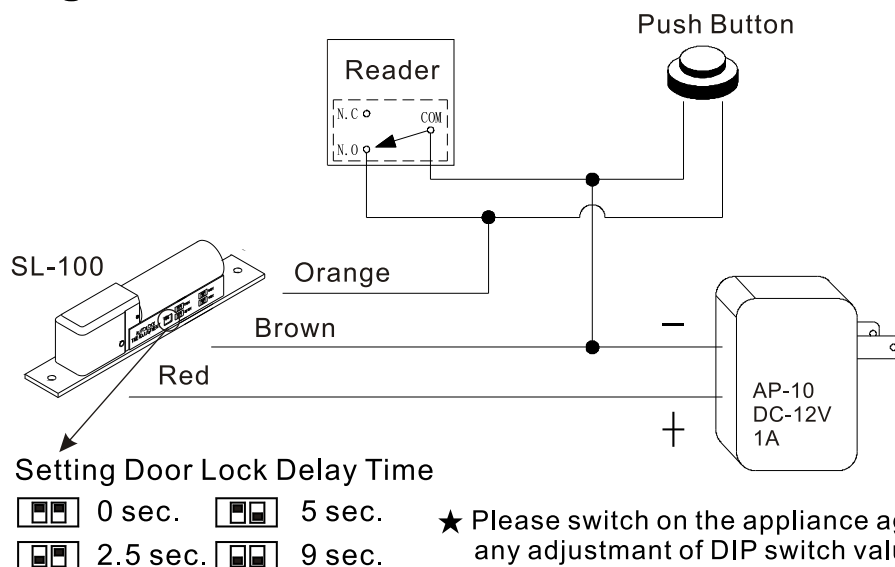
	SL-100A	SL-100B	SL-100U	
Power Supply	DC 12V	DC 12V	DC 12V	DC 24V
Operation Current	900mA	900mA	950mA	450mA
Holding Current	360mA	360mA	350mA	180mA
Door Position Sensor	N.C.(250mA)	N.O./N.C.(250mA)	N.O./N.C.(250mA)	
Operation Delay Time	0, 2.5, 5, 9 sec.			
Face Plate	200 (L) X 32 (W) X 42 (H) mm			
Strike Plate	90 (L) X 26 (W) X 2.5 (H) mm			
Bolt	16mm (Throw) X 15.5mm (Diameter)			
Safety Measures	1. Fail-safe Type (Power to lock). 2. Built-in photo couplers door open push button input contact. Door will lock again automatically when door is not open within 5 seconds.			

★SL-100U : Relock function will activate to lock the door automatically (maximum 60 times per session) when the door is not locked properly.

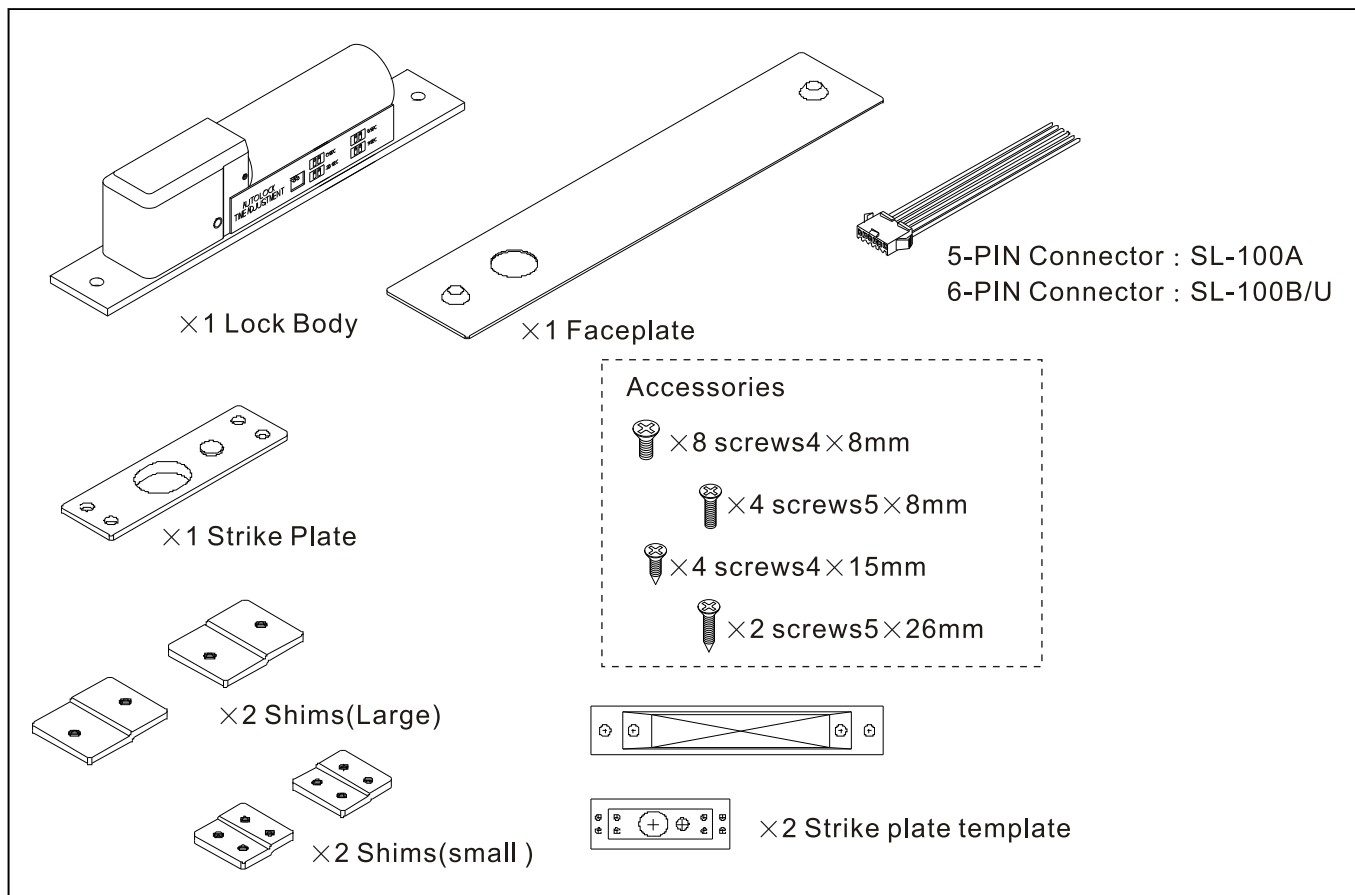
※ Connections

SL-100A		SL100B		SL-100U
5-PIN Connector		6-PIN Connector		6-PIN Connector
Brown	−DC	Brown	−DC	−DC
Red	+DC12V	Red	+DC12V	+DC12V~ 24V
Orange	Push Button	Orange	Push Button	Push Button
Yellow	Door Position Sensor(N.C.)	Yellow	Door Position Sensor(N.C.)	Door Position Sensor(N.C.)
Green	Door Position Sensor(COM)	Green	Door Position Sensor(COM)	Door Position Sensor(COM)
		Blue	Door Position Sensor(N.O.)	Door Position Sensor(N.O.)

※ Wiring Diagram

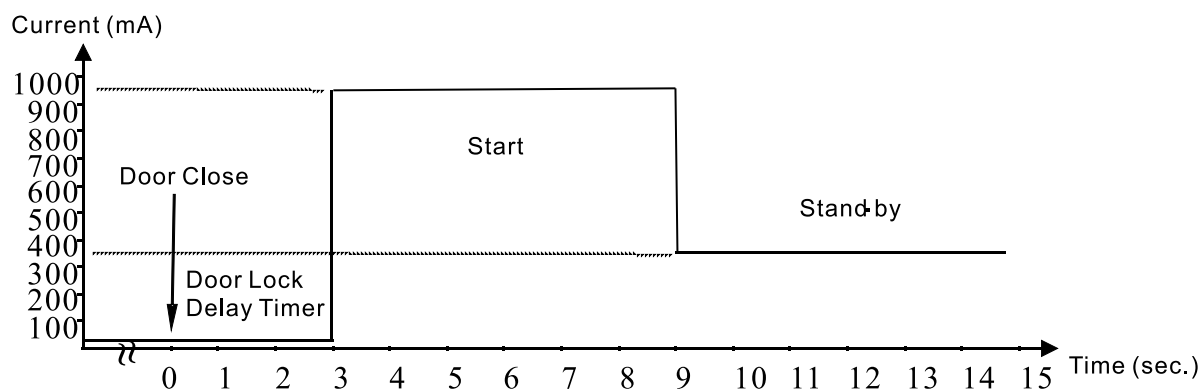
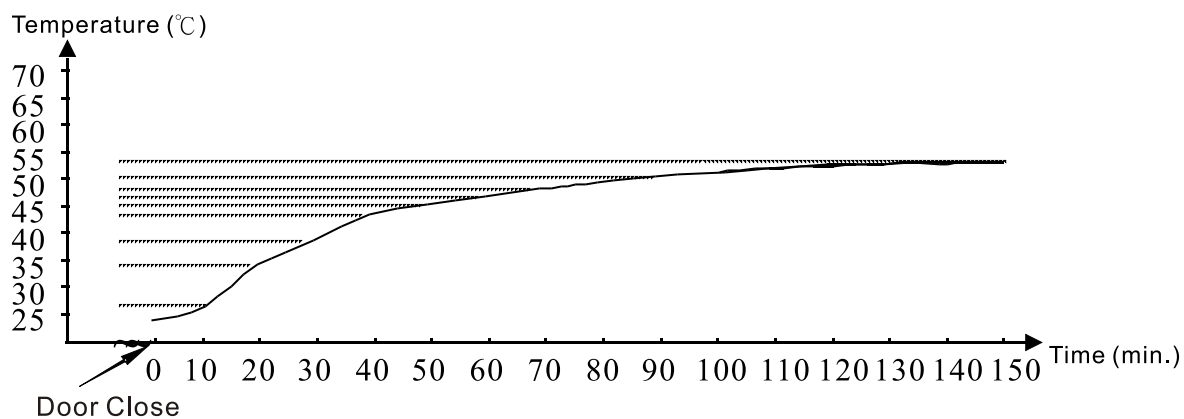


※ Accessories



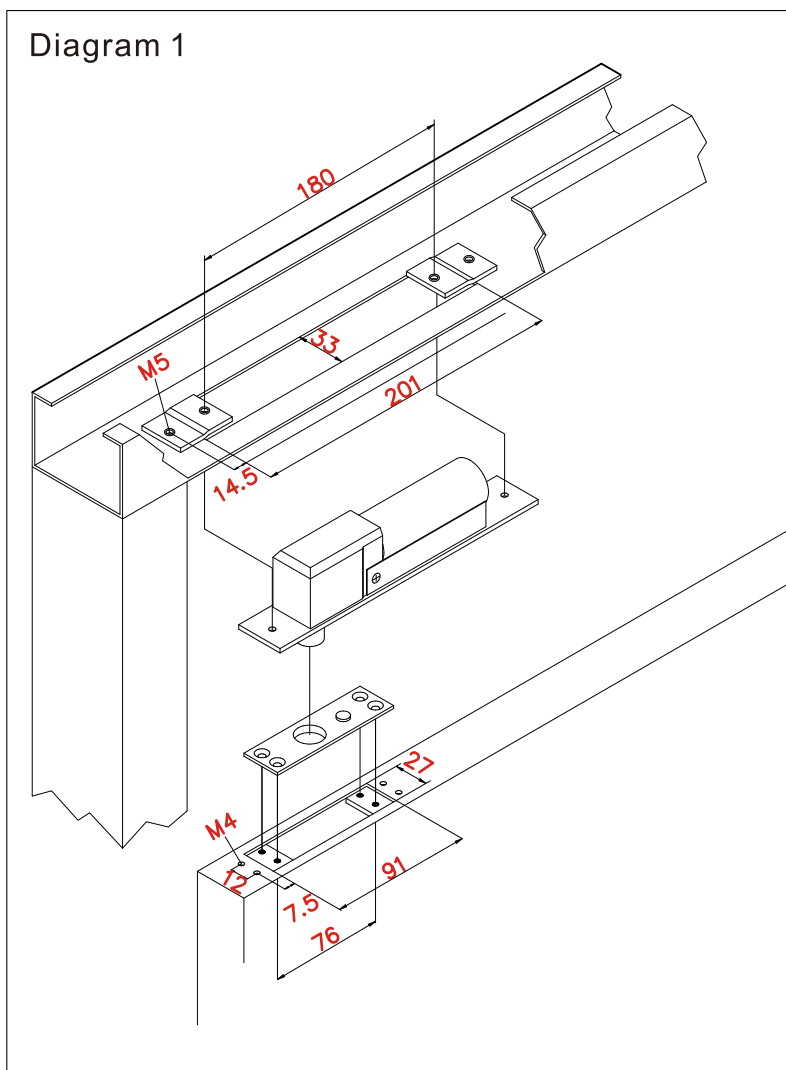
※Current & Temperature Chart

(Measurement : Power Supply DC-12V, Room Temperature 25°C, Humidity 60%Rh)



✳ Installation

Diagram 1



Instruction

Diagram 1 : Dimensions

Diagram 2 : For double door mounting

Diagram 3 : For single door mounting

Diagram 4 : For vertical mounting.

Important for vertical mounting, wires must come out the top of the unit.

Diagram 2

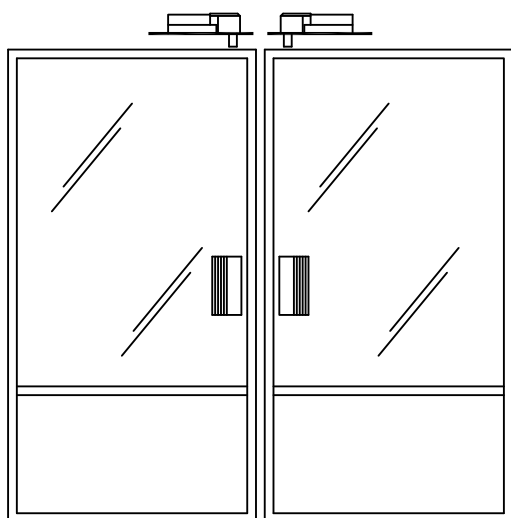


Diagram 3

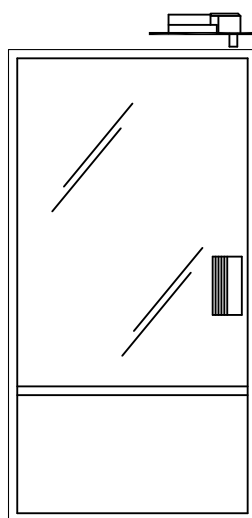
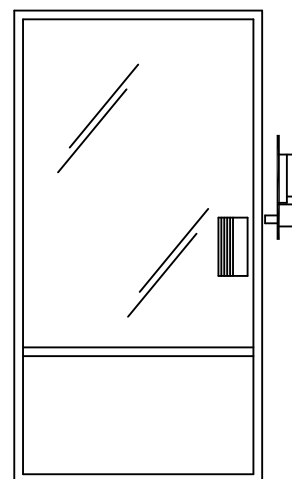


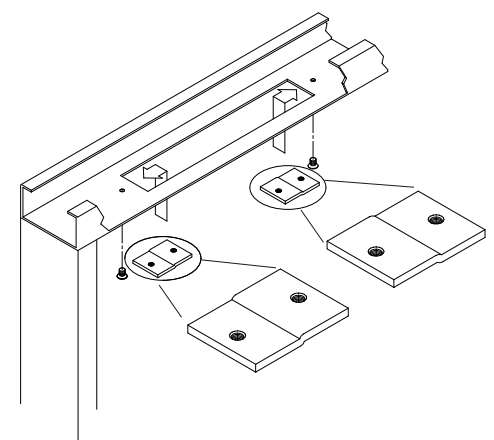
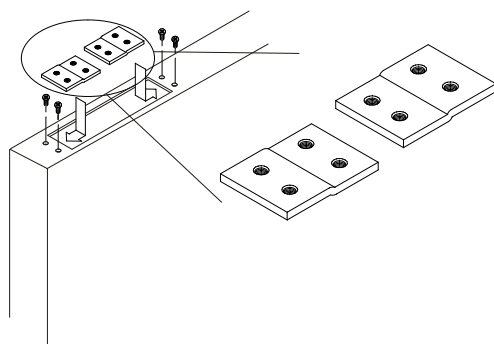
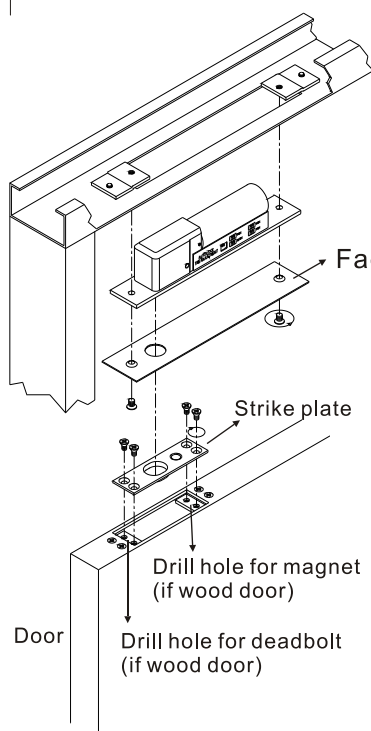
Diagram 4



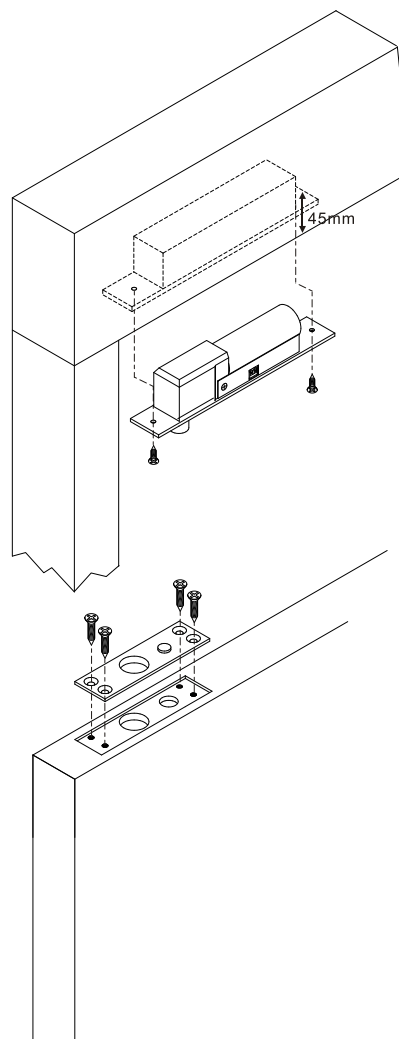
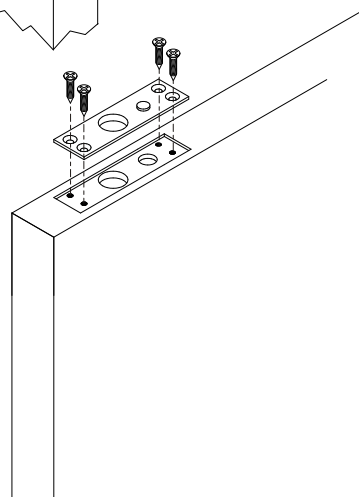
※ Installation

■ For Hollow Metal Doors :

Please make sure the correct direction of the shims when mounted.



■ For Wood Doors :



Question & Answer

◆ The lock is hot?

The operating temperature of the lock is normally within 55°C.

◆ No operation after installation?

1. Please check power supply.
2. Please check if the direction of the template is being installed correctly.
3. Please check the connection points(N.O. or N.C.).

◆ Lock will open when force is applied on the reader (eg. Hitting hard or vibrating the reader)?

1. Please check all the connections.
2. Reader's N.C. Points might strike immediately when force is being applied on it this eventually causes the fail-safe type of lock to open when sudden power cut occurred. Please refer to page 1 for wiring to prevent such case happen.