SLC2 Standalone Lock Controller
## Installation Guide

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1. Connectors

The SLC2 can be powered via six 1.5V AA batteries. Using a small Phillips screwdriver (#1) remove the four screws from the back cover to insert the batteries.

Top

Bottom

USB-C connector

12V push-Wire Connector

Lock/Sensor Connector (6 pin)

AccessPad Connector (5 pin)

2. Battery Access

The SLC2 can be powered via six 1.5V AA batteries. Using a small Phillips screwdriver (#1) remove the four screws from the back cover to insert the batteries.

Rear cover screws (size M2.5x14)
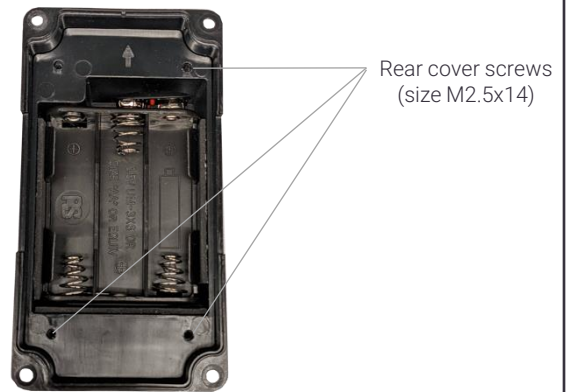
3. Mounting : DIN-rail

The SLC2 can be mounted on a standard 35mm (1-3/8") DIN-rail via the DIN-rail Flex Connector.

Din-rail top hooks

Din-rail flex connector

Battery Door Screws
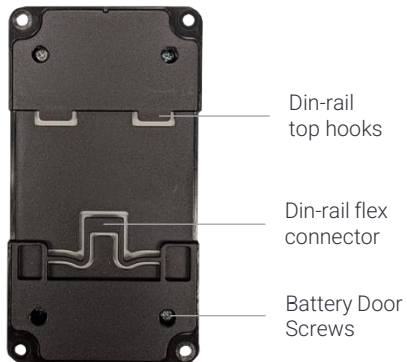
Place the bottom flex connector onto the rail and in an upward motion, push up until the top hooks can be clipped onto the top of the rail. Slowly release the tension on the flex connector allowing it to secure tightly to the rail.

To remove the SLC2 from a DIN-rail, repeat the same upward motion to unhook the top hooks from the DIN-rail, and pull the top away from the rail.

4. Mounting : Front Screws

The SLC2 can be mounted using the four front holes. Use M3 screws with a head no larger than 8mm (5/16").

SLC2 Smartlock Controller

ID: 1BCD9
Made in Canada

Front mounting screws Recommend size: M3x10

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Input Power Wiring

Additional to the integrated AA batteries, the SLC2 can also be powered via the two connectors at the top of the unit - shown in page 1.

USB-C Power — — — — — — — — — — — — — — — — — 12V Power

5VDC / 3A with a USB-C interface

GND   +12V

The USB-C connector may be used as the primary source of power for the SLC2 controller, for example with a 110V to 5V/3A DC USB-C power brick.

12VDC / 2A with 20-26 AWG wires

The 12V power push-Wire connector may be used as the primary source of power for the SLC2.

- With the power supply disconnected, insert stripped wires into the positive and negative (self-clamping) push-wire slots.

- To remove the connected wires, first disconnect the power from the main power supply, then insert a small slotted screwdriver into the wire-release holes.

Output Cable Wiring

Cable Colour	Wire Colour	Pin	Description	Direction	Voltage
Orange	White	2	Lock Power (+)	Output	12V
Orange	Black	1	Lock Power (-)	Output	0V
Green	White	3	Lock Signal (+)	Output	12V
Green	Black	5	Lock Signal (-)	Output	0V
White	White	6	Door Sensor (+)	Input	3V
White	Black	1	Door Sensor (-)	Input	0V
Blue	White	4	Lock Sensor (+)	Input	3V
Blue	Black	1	Lock Sensor (-)	Input	0V

Lock & Sensor Wiring

Pin	Signal
1	12V- Lock Power Output (Orange-Black)
2	12V+ Lock Power (Orange-White)
3	12V+ Lock Control Signal (Green-White)
4	Lock Sensor (Blue-White)
5	12V- Lock Control Output (Green-Black)
6	Door Sensor (White-White)

Cable Lock
Slot

AccessPad
Connector

Connect pin 1 to the lock's Ground or 0V terminal.

Connect pin 3 to the lock's 12V+ terminal.
Note: For locks requiring constant 12V power, connect pin 2 to the lock's power wire, and pin 3 to the lock's signal/control wire.

Connect pin 5 and pin 6 to the door sensor. Note: if there is no door sensor, connect pin 5 and 6 together to disable door detection.

Connect pin 4 and pin 5 to the lock sensor. Note: if there is no lock sensor, connect in 4 and 5 together to disable lock detection.

Example Output Cable Wiring

SLC2

6xAA (1.5V)

Integrated
Batteries

Optional
external
power

RED

+
12VDC
-

BLACK

GREEN

ORANGE

BLUE

WHITE

Electric Lock

BLACK ✕
WHITE — Control Signal (+12VDC)

BLACK — 0VDC
WHITE — +12VDC (Lock Power)

BLACK ✕
WHITE — Lock Sensor

BLACK
WHITE

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Magnetic
door
contacts
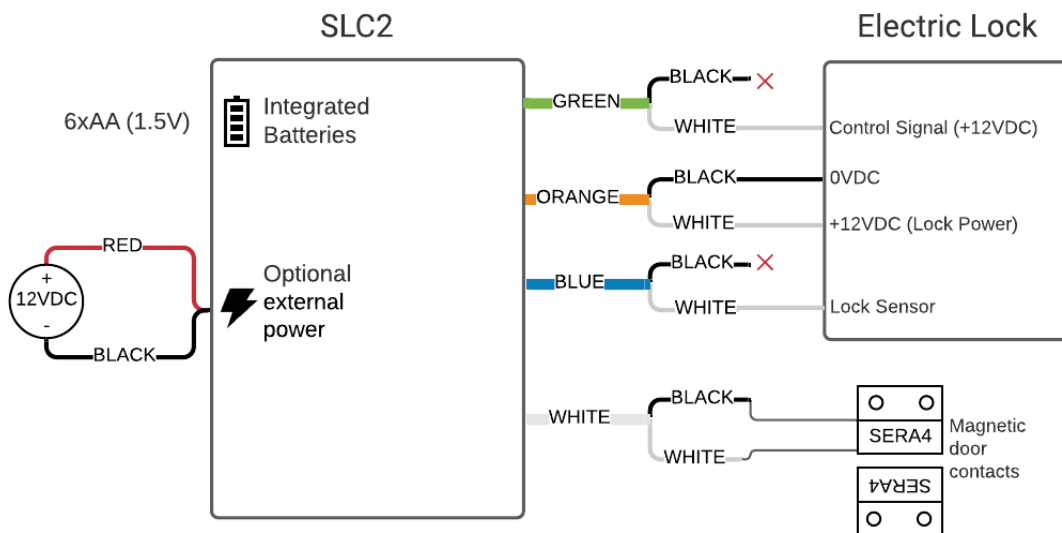
Testing and Troubleshooting
SLC2 Controller

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Please refer to the Teleporte quick-start guide for more information on how to use the Teleporte mobile application to open SLC2 lock controllers. Please contact support@sera4.com if you do not have a Teleporte account already.

The status LED does not turn ON when powering the controller	• Check the connections to power the controller • Replace the AA batteries with new ones or check the 12VDC external power input • Check if the lock appears in the Teleporte app. If it does, there may be an LED hardware problem.
The controller is not visible in the Teleporte mobile application.	• Verify that there is at least one power source powering the controller • Verify that your power sources are working by measuring them with a voltmeter. • Verify that the LED of the controller is showing green, red or blue light. • Contact support@sera4.com if you have verified that the controller is powered properly, and the problem persists.

The padlock icon in the mobile application is showing a red exclamation mark.	• The exclamation mark indicates connectivity problems. Make sure your smartphone is close to the controller, no more than 2 meters apart.
	• Troubleshoot Bluetooth issues by:
	    • Keep your smartphone close to the controller, less than 2 meters.
	    • Resetting the Bluetooth radio in your smartphone
	    • Rebooting your smartphone.
	• Contact support@sera4.com if the problem persists after resetting your smartphone device.

The controller is visible in the Teleporte mobile application, but it is showing a *gear* icon on the lock that does not let me select it.	• This icon indicates that the Teleporte mobile application needs to contact the Teleporte Cloud to configure lock. • Verify that your phone has a valid data connection by using another mobile application that also needs a data connection (i.e. use a web browser to view a news website). • If your phone has a valid data connection restart your phone, and if you are still seeing the icon contact support@sera4.com.
The controller is visible in the Teleporte mobile application, but it is showing a "broken key" icon.	• The icon indicates that the Teleporte application does not have a valid key for the controller. Check that you have logged in to your Teleporte account and you have a valid key to open this controller. • If you do not have an account (email and password) or a key, contact your site Administrator to provide you an account and key for the lock. • If you have an account and a valid key for this controller, and the problem persists contact support@sera4.com
The lock appears as unlocked in the Teleporte app when it should show as locked based on the state of the lock.	• Disconnect sensors and short the pins of both door and lock sensor wires to determine the controller is working as expected • Make sure the sensors are properly installed, please contact support@sera4.com in you have questions.
After connecting to the lock and selecting the "Unlock" button, the lock does not unlock.	• Use a voltmeter to verify the input voltage of the controller using an external source instead of the AA batteries. • Use a voltmeter to measure the voltage between the pins on the controller lock control cable (green cable) when selecting option to UNLOCK in the Teleporte application. • Contact support@sera4.com if you cannot measure ~12VDC for 3+ seconds
The padlock icon in the mobile application is not shown as unlocked when the lock is unlocked.	• Use a voltmeter to measure the voltage between the pins of the lock sensor wires (blue cable) and contact support@sera4.com if you measure 0V or if you cannot resolve this issue.
The padlock icon in the mobile application is not shown as unlocked when the door is open.	• Use a voltmeter to measure the voltage between the pins of the door sensor wires (white cable). Contact support@sera4.com if you measure 0V or if you cannot resolve this issue.
After unlocking the lock, opening the door, and then closing the door, the lock does not re-lock itself.	• Contact support@sera4.com