LOCINOX
Let's make better fences together

SlimStone
MANUAL

GatesPlus

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⌒ TECHNICAL SUPPORT

If you require any additional information or assistance during the installation, please contact your dealer, who will be able to provide the latest information. Alternatively, you can visit the Locinox website for more technical information or e-mail us on locinox@locinox.com. Please keep the serial number at hand of your product for future support.

SlimStone

MANUAL

SlimStone

Up to 100 entry codes

Extreme weather proof
IP 68

Override contact included

Freeze-free by heating element

Easily readable digits by LED lighting

Ultimate durable components

BOX CONTENT

1 SlimStone

137 mm
5-3/8"

54 mm
2-1/8"

23,8 mm
15/16"

115 mm
4-1/2"

50 mm
2"
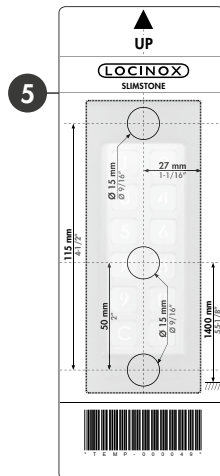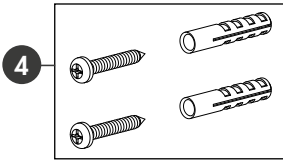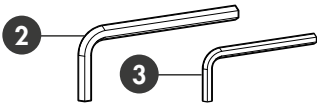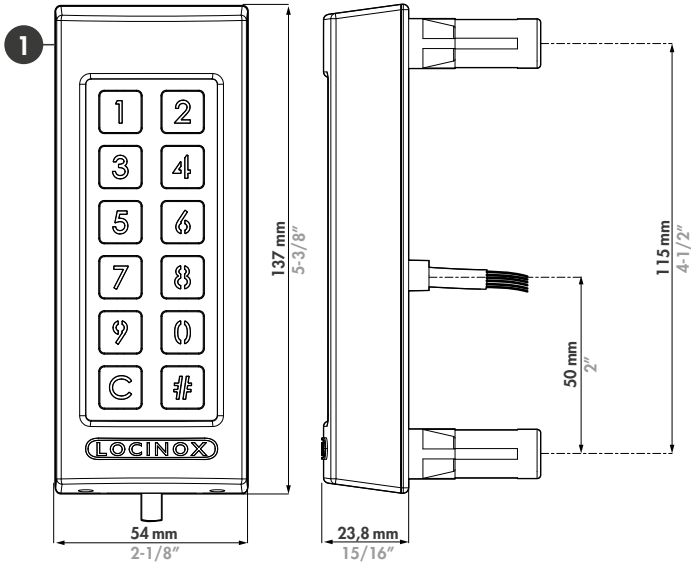
2 Allen key 6 mm

3 Allen key 2,5 mm

4 Wall mounting set

5 Drilling template

UP

LOCINOX
SLIMSTONE

Ø 15 mm
Ø 9/16"

27 mm
1-1/16"

115 mm
4-1/2"

50 mm
2"

Ø 15 mm
Ø 9/16"

1400 mm
55-1/8"

TEMP-000048

CONTENTS

Congratulations with the purchase of your SlimStone

1. PRODUCT DESCRIPTION

The SlimStone is a sturdy, weather resistant keypad with integrated LED lighting. This keypad is unique in its kind thanks to its durability. Developed and tested for use in the most extreme weather conditions, SlimStone guarantees access control in all circumstances.

Thanks to the integrated relay, with a normally open and normally closed contact, both the coupling to Locinox and other automation products and the programming of the SlimStone are very easy. Equipped with innovative Quick-Fix, alternative fixings for wood and stone are also supplied.

The SlimStone is made of an aluminium powder-coated housing with a brushed stainless steel key panel and ditto push buttons.

Up to 100 codes can be programmed.

2. TECHNICAL SPECIFICATIONS

Operational temperature	-22°F up to 185°F -30°C up to 85°C
Power supply	12-24 V AC/DC
Switching contact	0-26 V AC/DC, 2A (60W)
Cable length	2m (6-1/2ft.)
IP value	IP68
Input	2-wire low voltage (5V) priority contact
Consumption	1,5W (> 5°C) + 12W at max heating (< -25°C)
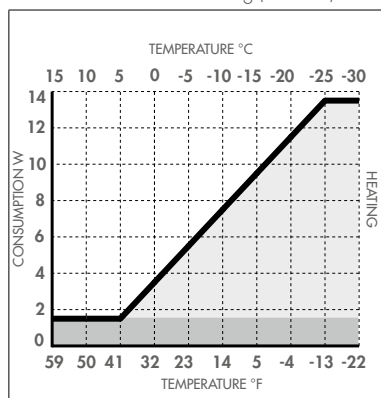
3. MOUNTING

STEP 1

Stick the template and drill into the wall or post (see p.5).
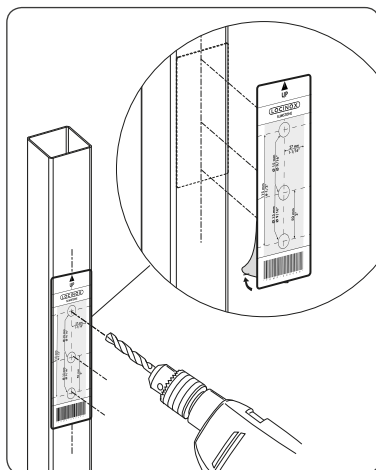
STEP 2

Remove the cover of the SlimStone.

HEX 2,5mm
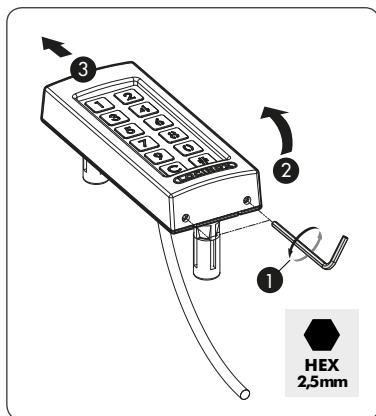
STEP 3A

Run the cable through the middle hole in the post.

STEP 4

Position the SlimStone and tighten both Quick-Fix.

HEX
6 mm

STEP 3B

Run the cable through the middle hole in the wall.

STEP 5

Position the cover and tighten thanks to the 2 screws underneath.

HEX
2,5 mm

SlimStone

4. CABLING

The SlimStone is equipped with a 7 conductor cable which is 2m long.

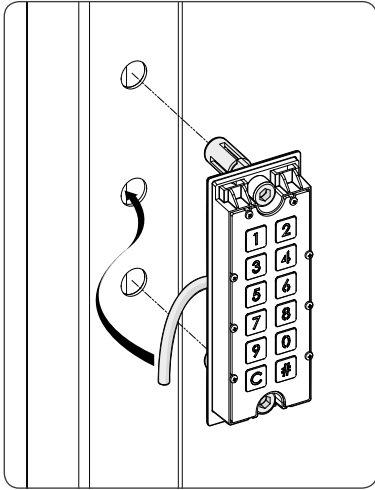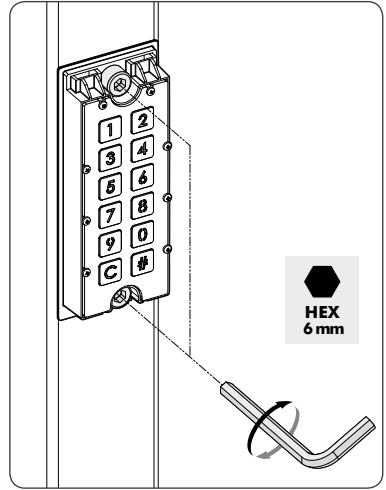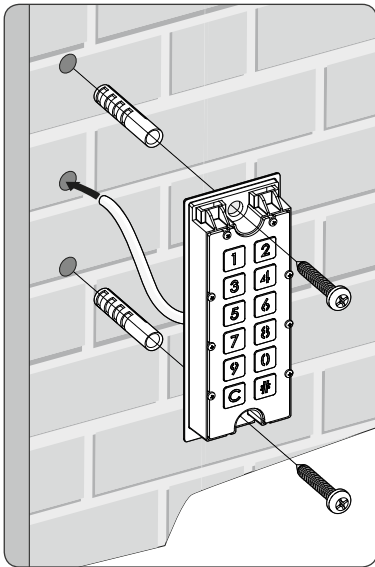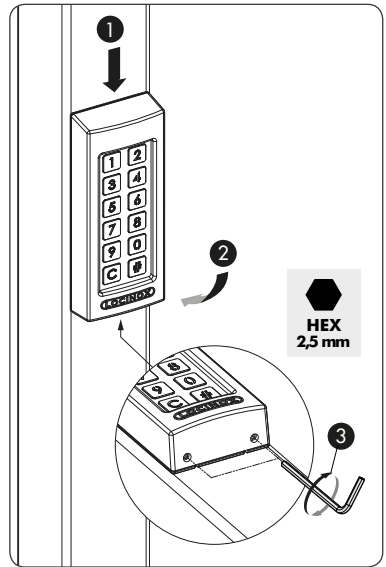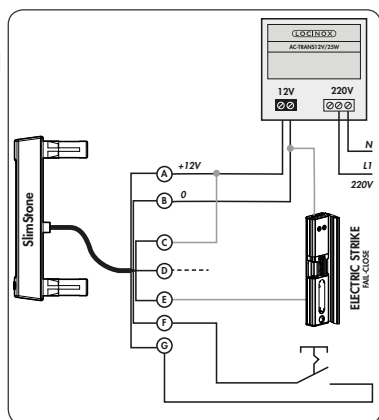| Power supply		
A	▶ AC1	▶ Blue
B	▶ AC2	▶ Brown
Relay		
C	▶ Relais COM	▶ Black
D	▶ Relais NC	▶ Red
E	▶ Relais NO	▶ Orange
Override button		
F	▶ NO button	▶ White
G	▶ COM button	▶ Green

⚠ *Unused cable ends must be insulated separately to ensure a proper functioning of the keypad.*

5. FUNCTIONING OF SLIMSTONE

5.1 ENTER A CORRECT CODE

- Enter a personal code (min. 4 - max. 8 digits).

- Press (#) to confirm the code.

- A light sequence runs from the bottom to the top during the time the relay is energised (default time = 8 seconds).
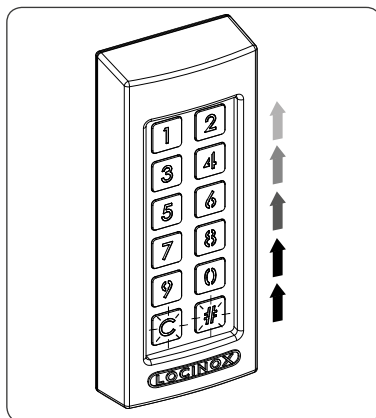
- If the sequence light stops, the relay is no longer energised. The SlimStone is ready for a new code.

5.2 ENTER A WRONG CODE

- Enter a wrong code.

- Press (#) to confirm the code

- All lights flash for 2 seconds, indicating a wrong code has been entered.

- If 5 or more wrong codes are entered consecutively, you won't be able to use the SlimStone for a certain period due to safety reasons. The time out period is specified as follows :
  $2^{[\text{number of failed attempts}]}$ seconds.

  For example : 6 failed attempts result in a time out period of 64 seconds (2^6 seconds).

✎ *The time out period is reset when a correct code is entered, or if no new code was entered during 2 hours.*

5.3 PRIORITY CONTACT

- An external button or actuator can be connected to overrule the SlimStone. For example an intercom, free exit, …

- Connect the wires F & G according to the connection scheme on p55.

- The NO-contact of an external push-button should be connected between the "NO Button" (F) and the "COM button" (G).

⚠ *Attention! This must be a dry contact with NO function.*

- The light sequence is running from bottom to top during the time the relay is energized.

6. PROGRAMMING

6.1 ACCESS PROGRAMMING MODE

• Press (#) for 5 sec, after the LEDs will flash.

• Enter the Master PIN (see 6.3) and press (#). If correct, (#) will remain lit as long as the programming mode is activated. When a wrong code is entered, all keys will flash.

⚠ *If only (#) is lit, you are in the main menu of the programming mode.*

• Select a menu number (see 6.2) and confirm with (#).

✎ *The programming mode ends automatically when there is no activity for 60 seconds.*

• Press (C) to move up one menu.

• If a wrong Master PIN is entered, the programming mode ends and the time out procedure as described in 5.2 applies.

• Press (C) for 5 seconds to exit the programming mode.

6.2 OVERVIEW

(9) ▶ set a Master PIN

(1) ▶ add a PIN code

(2) ▶ delete a PIN code

(3) ▶ set hold time

(4) ▶ set lighting mode

(0) ▶ factory reset

6.3 SET MASTER PIN

• Access programming mode (see 6.1).

⚠ *For safety reasons we strongly recommend to change the Master PIN upon first use.*

• Press (9) and confirm with (#).

• (9) and (#) are both lit.

✎ *The default Master PIN is 12345. It always has to be a 5-digit code.*

• Enter a new 5-digit Master PIN and press (#). Repeat this step.

• If both codes are equal, all LEDs will light briefly and you will return to the main menu of the programming mode.

⚠ *When two different codes or a wrong code length is entered, all LEDs will flash three times, indicating the code hasn't been saved. Try again. (9) will remain lit.*

• For safety reasons, the Master PIN can only be entered to access the programming mode. It cannot be used as an entry code.

6.4 ADD A PIN CODE

• Access programming mode (see 6.1).

⚠ *A maximum of 100 different PIN codes can be programmed (min. 4 - max. 8 digits).*

• Press (1) and confirm with (#).

• (1) and (#) are both lit.

• Enter a new PIN code and confirm with (#). Repeat this step.

• If both codes are equal, the new PIN code is saved. All LEDs will light briefly.

• You will return to the main menu of the programming mode.

⚠ *When two different codes or a wrong code length is entered, all keys will flash three times, indicating the code setting hasn't been saved. Try again. (1) will remain lit.*

6.5 REMOVE PIN CODE

• Access programming mode (see 6.1).

• Press (2) and confirm with (#).

• (2) and (#) are both lit.

• Press the PIN code you wish to delete and press (C). Repeat this step.

• All LEDs are briefly lit, indicating the code is deleted.

• You will return to the main menu of the programming mode.

⚠ *When two different codes or a wrong code length is entered, all keys will flash three times, indicating the code wasn't deleted. Try again. (2) will remain lit.*

6.6 SET HOLD TIME

- Access programming mode (see 6.1).

- Press ③ and confirm with #.

- ③ and # are both lit.

- Enter the time (between 1 and 99 seconds) and confirm with #.

- A valid time is confirmed with a brief lighting of all LEDS.

- You will return to the main menu.

⚠ *Pulse mode : if the SlimStone is used to control automated systems, a pulse is required. This mode can be activated by setting a time of 0 seconds. The pulse duration is 150ms.*

⚠ *In case an invalid time is entered, all keys will flash three times. Menu ③ remains activated.*

✎ *The default time is set at 8 seconds.*

6.7 SET LIGHTING MODE

- Access programming mode (see 6.1).

- Press ④ and confirm with #.

- ④ and # are both lit.

- Choose the mode in which you want the lighting to work:
  ① Always on
  ② Off after 45 seconds
  The lighting is switched off after 45 seconds inactivity. As soon as a key is pressed, the lighting is back on for a minimum time of 45 seconds.

- Press ① or ② and confirm with #.
  When all LEDs flash, your choice is saved.

- You are back in the main menu of the programming mode.

⚠ *If an invalid number is entered, all lights flash three times. Start over. Menu ④ remains activated.*

6.8 FACTORY RESET

- Access programming mode (see 6.1).

- Press ⓪ and confirm with #.

- ⓪ will flash rapidly to indicate an irreversible action can be taken.

- Enter the Master PIN and confirm with # for

2 seconds.

- When all LEDs flash, the factory reset is complete. All settings are restored to default values except for the Master PIN.

6.9 FACTORY RESET UPON LOSS OF MASTER PIN

Perform a factory reset without a Master PIN:

- Switch the power supply off and on, enter the standard Master PIN '12345' and confirm with # within 20 seconds.

- The factory reset is complete.

- In case of a factory reset as described above, the Master PIN is reset to '12345'.

7. MAINTENANCE

- Clean the housing and display using a soft cloth, moistened with a neutral cleaning agent.

- Never use fuel or other chemical means on the device since they might harm the housing.

8. GENERAL INFORMATION

- Please observe the local regulations on the deposit of packaging material and of appliances no longer in use.

- Our packaging material is eco-friendly. It can be divided into 2 materials: cardboard (box) and expandable polyester (buffer).

- Your device is made of recyclable materials.

9. WARRANTY

A 2 year warranty covers all electronics.

10. TROUBLESHOOTING

PROBLEM	SOLUTION
• All lights are flashing.	• When wrong codes have been entered repeatedly, the SlimStone is blocked. See 5.2.
• The SlimStone lighting is off after pushing a button.	• Verify the power supply connection.
• The SlimStone does not react after entering the code.	• Entering a code must always be confirmed with #.
• The sequence light remains lit.	• Check if the cables of the override button are insulated. • Possibly you set a time of 99 seconds.
• The lights flash after entering the PIN code and confirmation by pressing #.	• The entered code does not match any of the registered codes. See 5.2.

11. FREQUENTLY ASKED QUESTIONS

QUESTION	ANSWER
• Is the keypad heated?	• Yes, SlimStone has a regulated heating system which keeps the keys frost-free.
• How weatherproof is the SlimStone?	• SlimStone is designed to comply with the IP68 standard.
• Can I use the SlimStone with sectional doors?	• Yes, by setting the relay hold time to 0, a pulse is given with which sectional doors can be controlled.

A discarded device can either be returned to your dealer or be sent back to Locinox. This product's recycling fee is € 0,2.

The WEE marking on the product indicates that it may not be thrown away together with normal household waste and must be handed over to a designated collection point for the recycling of electrical and electronic rejects.

As manufacturer of this product, we guarantee that we have taken all the necessary steps in order to comply with the current safety requirements for this product.