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Sygonix 1582021

Sygonix 1582021 Code Lock User Manual

MODEL: 1582021

Brand: Sygonix

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Sygonix 1582021 Code Lock. This robust access control system features an illuminated keypad and a separate evaluation unit, designed for enhanced security and durability, particularly in outdoor environments.

Key features include:

- Weather-resistant and vandalism-protected housing.
- Up to 100,000 possible code combinations.
- Separate analysis unit for elevated manipulation protection.
- Integrated transponder reader for card access.



Image 1.1: The Sygonix 1582021 Code Lock, showing the illuminated keypad and the separate evaluation unit.

2. Safety Instructions

Please read these safety instructions carefully before installation and operation. Failure to follow these instructions may result in damage to the device, property, or personal injury.

- **Electrical Safety:** Installation should only be performed by qualified personnel. Disconnect power before any wiring or maintenance.
- **Environmental Conditions:** While the unit is IP66 rated, ensure proper sealing during installation to maintain water and dust resistance. Avoid exposing the unit to extreme temperatures outside its specified operating range.
- **Mounting:** Ensure the mounting surface is stable and can support the unit securely.
- **Security:** Keep master codes and programming instructions confidential. Regularly change user codes for enhanced security.

3. Package Contents

Verify that all components listed below are present in your package:

- Sygonix 1582021 Code Lock Keypad Unit
- Separate Evaluation Unit
- Mounting Screws and Wall Plugs
- Hex Key (Allen Wrench)
- Connection Cable/Harness
- Transponder Cards (typically 2)
- User Manual (this document)



Image 3.1: All components included in the Sygonix 1582021 Code Lock package.

4. Setup and Installation

The Sygonix 1582021 Code Lock is designed for recessed installation. The separate evaluation unit must be installed in a secure, protected location, away from the keypad unit, to maximize manipulation protection.

4.1. Planning the Installation Location

- **Keypad Unit:** Choose a location for the keypad that is easily accessible but also provides adequate space for recessed mounting. Ensure the surface is flat and stable.
- **Evaluation Unit:** This unit should be installed indoors or in a highly secure, weather-protected enclosure, away from the keypad. The cable length between the keypad and evaluation unit must be considered.

4.2. Mounting the Keypad Unit

1. Carefully mark the cutout dimensions for the recessed installation on the chosen surface.
2. Cut out the opening, ensuring clean edges.
3. Feed the connection cable from the keypad through the opening to the location of the evaluation unit.
4. Secure the keypad unit into the recessed opening using the provided mounting screws.

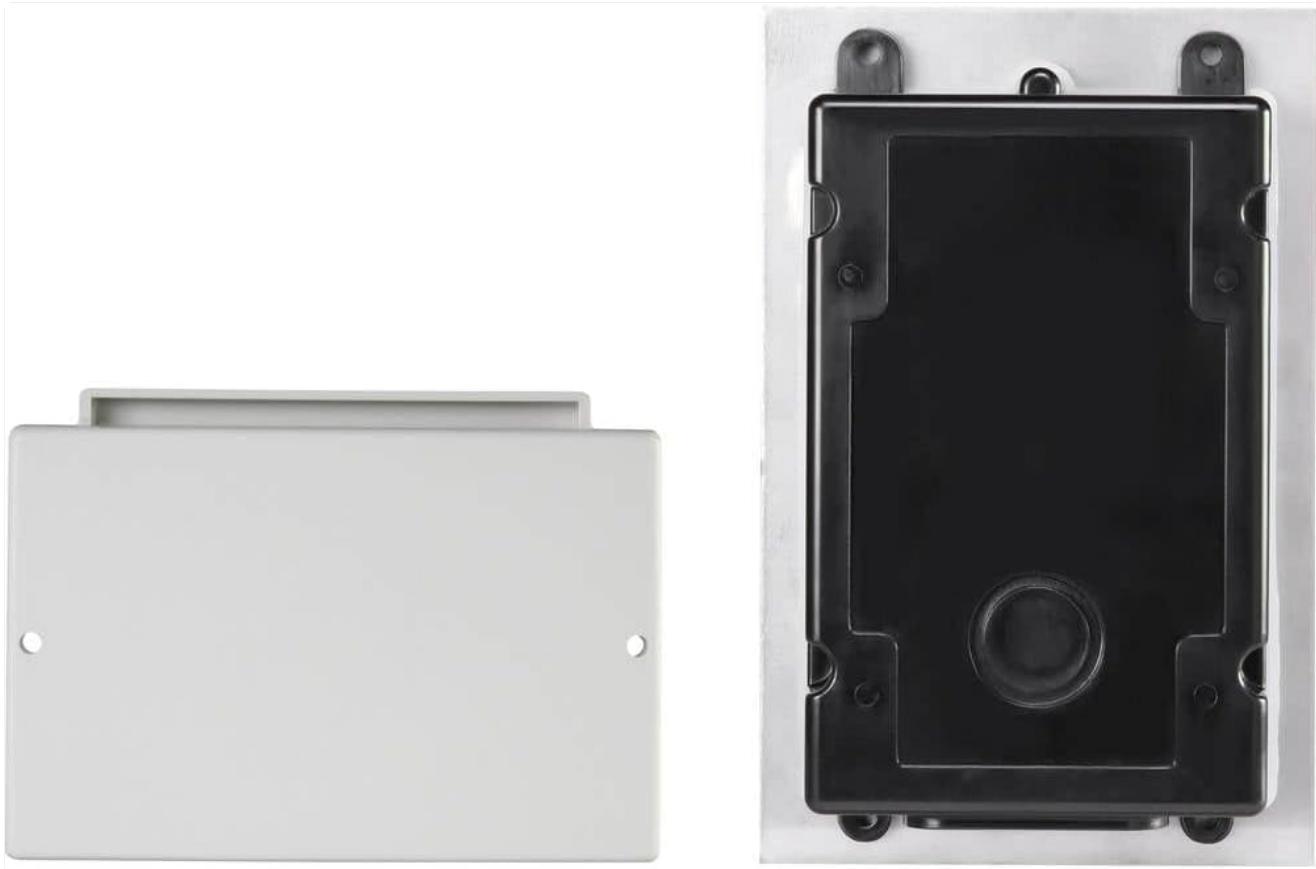


Image 4.1: Rear view of the keypad and evaluation unit, illustrating mounting points and internal structure.

4.3. Wiring and Connection

1. Connect the keypad unit's cable to the corresponding terminals on the evaluation unit. Refer to the wiring diagram provided in the separate installation guide (if applicable) or on the unit itself.
2. Connect the power supply to the evaluation unit. Ensure the power supply matches the specified voltage and current requirements.
3. Connect any external devices such as electric locks, door sensors, or alarm systems to the appropriate terminals on the evaluation unit.

4.4. Initial Power-Up

Once all connections are secure, apply power to the system. The keypad should illuminate, and the evaluation unit may emit an audible signal indicating successful power-up.

5. Operating Instructions

This section details the basic operation and programming of your Sygonix Code Lock.

5.1. Default Settings and Master Code

Upon first power-up, the unit will have a default master code. It is **highly recommended** to change this master code immediately after installation for security purposes. Refer to the programming section for details.

5.2. Accessing with a Code

1. Enter your valid user code (e.g., 123456) on the illuminated keypad.
2. Press the '#' key (or designated enter key) to confirm the code.
3. If the code is correct, the lock will activate (e.g., door will unlock) for a preset duration. An audible confirmation may also be heard.

5.3. Accessing with a Transponder Card

1. Present a valid programmed transponder card to the card reader area on the keypad.
2. If the card is recognized, the lock will activate.

5.4. Programming User Codes and Cards

Programming typically involves entering the master code followed by specific command sequences. Consult the detailed programming guide (often a separate document or a more extensive section in the full manual) for specific steps on:

- Changing the Master Code.
- Adding New User Codes.
- Deleting User Codes.
- Adding Transponder Cards.
- Deleting Transponder Cards.
- Adjusting Lock Release Time.

6. Maintenance

Regular maintenance ensures the longevity and reliable operation of your Sygonix Code Lock.

- **Cleaning:** Wipe the keypad surface with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish and keypad.
- **Inspection:** Periodically check the keypad and evaluation unit for any signs of physical damage, loose connections, or wear.
- **Security Review:** Regularly review and update user codes. Delete codes for individuals who no longer require access.

7. Troubleshooting

If you encounter issues with your Sygonix Code Lock, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Keypad does not illuminate or respond.	No power, faulty wiring, or damaged unit.	Check power supply to the evaluation unit. Verify all wiring connections. If problem persists, contact support.
Code entered is not accepted.	Incorrect code, code not programmed, or keypad malfunction.	Ensure correct code is entered. Verify code is programmed. Try another valid code.
Transponder card not recognized.	Card not programmed, damaged card, or reader issue.	Ensure card is programmed. Try another valid card. Clean reader area.
Lock does not activate after valid entry.	Wiring issue to the lock, faulty lock, or evaluation unit issue.	Check wiring between evaluation unit and lock. Test the lock independently if possible.

If you are unable to resolve an issue using the troubleshooting guide, please contact Sygonix customer support.

8. Specifications

Detailed technical specifications for the Sygonix 1582021 Code Lock:

Feature	Specification
Manufacturer	Sygonix
Part number	1582021
Product Dimensions	4.2 x 9.8 x 15.1 cm
Item model number	1582021
Colour	Multicoloured
Style	Robust
Material	Metal
Power source type	Hand-operated (refers to control method, not power source)
Number of Pieces	100000 (likely refers to code combinations)
Special Features	Certified according to ISO 17025, Relay 1: 100000 operations
Weight	460 Grams
Control method	Touch
Recommended uses for product	Outdoor security applications, such as gates or sheds, with flexible user monitoring management
First Available Date	10 July 2018

9. Warranty and Support

Sygonix products are manufactured to high quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Sygonix website.

For technical support, troubleshooting assistance beyond this manual, or spare parts inquiries, please contact Sygonix customer service through their official channels. When contacting support, please have your product model number (1582021) and purchase date readily available.