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Sargent & Greenleaf 1007-102

Sargent & Greenleaf Spartan Direct Drive Electronic Safe Lock Kit (Model 1007-102) Instruction Manual

Comprehensive guide for installation, operation, and maintenance of your S&G Spartan electronic safe lock.

Introduction

This manual provides detailed instructions for the Sargent & Greenleaf Spartan Direct Drive Electronic Safe Lock Kit, Model 1007-102. This electronic keypad lock is designed to provide enhanced security and convenient access for safes, with features such as a direct drive mechanism and robust construction. Please read this manual thoroughly before installation and operation to ensure proper functionality and security.
The Spartan Direct Drive lock is engineered to withstand significant bolt pressure and offers a user-friendly interface for secure access. It is suitable for upgrading existing mechanical locks or for new installations.

Package Contents

Verify that all components are present in your kit:

- Sargent & Greenleaf Spartan Keypad (Bright Chrome Rotating Keypad)
- Direct Drive Lock Body
- 9V Lithium Ion Battery
- Mounting Hardware
- Spindle



Image 1: The Sargent & Greenleaf Spartan electronic keypad, featuring a numerical layout and indicator lights.



Image 2: The robust metal alloy lock body of the Spartan Direct Drive system.

Setup and Installation

Installation of the Spartan Direct Drive lock involves replacing an existing lock or installing it on a new safe. It is

recommended to consult a qualified locksmith or refer to detailed installation guides if you are unfamiliar with safe lock mechanisms.

1. Preparation

- Ensure the safe door is open and unlocked before beginning installation.
- Gather necessary tools, which typically include screwdrivers, a hacksaw (if modifying a spindle), and measuring tools.
- Review the technical drawing for precise dimensions and mounting hole patterns.

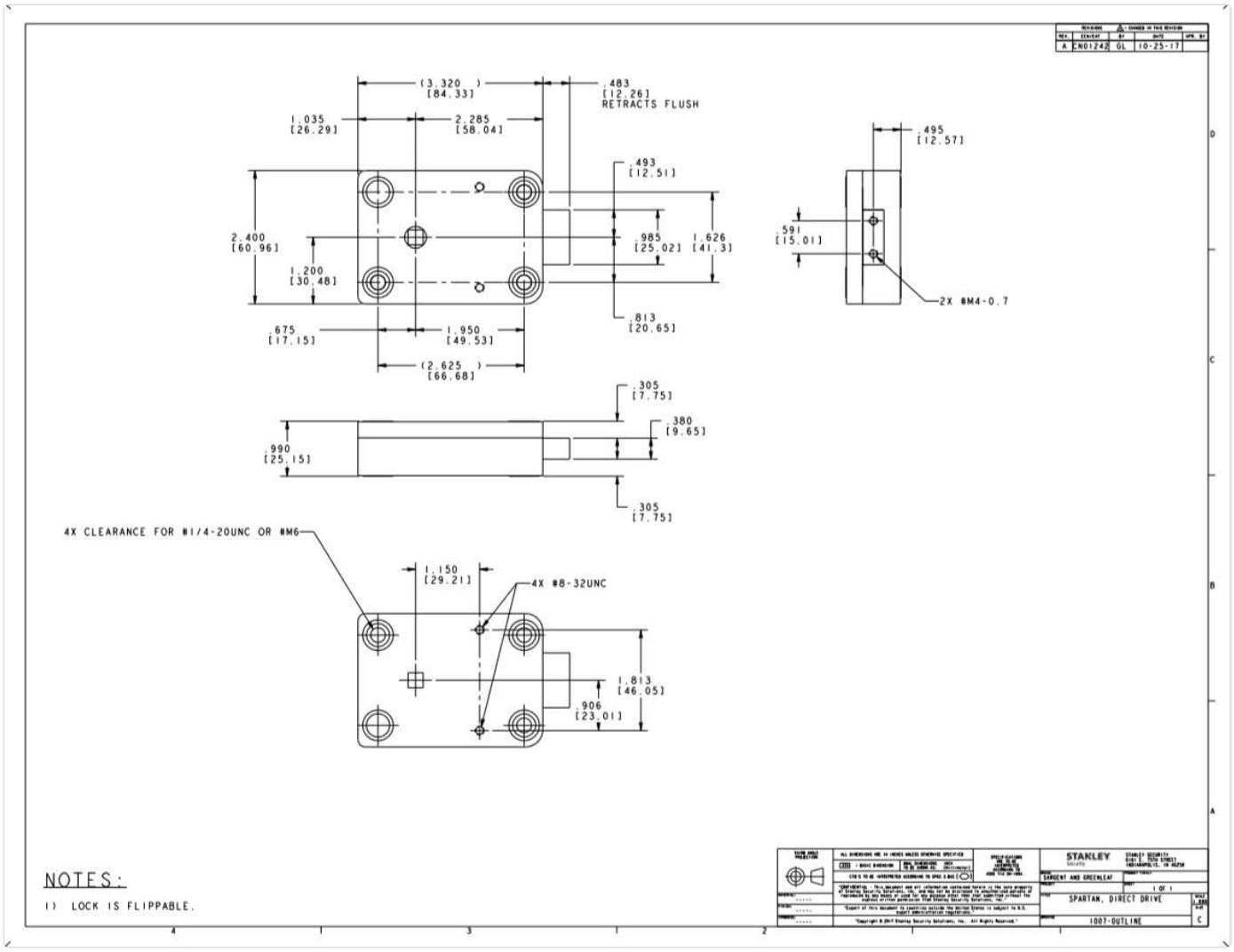


Image 3: Technical drawing illustrating the dimensions and mounting specifications for the Spartan Direct Drive lock body.

2. Removing Existing Lock (if applicable)

- Carefully remove the existing lock mechanism from the safe door. Document the process if necessary for reassembly or troubleshooting.
- Ensure the safe's boltwork is fully retracted and secured in the open position.

3. Installing the Lock Body

- Position the Spartan Direct Drive lock body on the inside of the safe door, aligning it with the mounting holes.
- Secure the lock body using the provided mounting hardware. Ensure it is firmly attached and does not wobble.
- Connect the keypad cable to the lock body.



Image 4: The lock body with the bolt in the retracted (unlocked) position.



Image 5: The lock body with the bolt in the extended (locked) position.

4. Installing the Keypad and Battery

- Feed the keypad cable through the safe door's spindle hole.
- Attach the keypad to the exterior of the safe door.
- Insert the 9V Lithium Ion battery into the designated compartment within the keypad or lock body, as per the specific model's design. Ensure correct polarity.

Operating Instructions

1. Initial Code Setup

Upon first power-up, the lock will typically have a default factory code. It is critical to change this code immediately for security purposes. Refer to the specific programming instructions provided with your lock for "Star mode" or "Basic mode" programming sequences.

- **Master Code:** This code has full control over the lock, including changing user codes and other settings.
- **User Code(s):** These codes can only open and close the lock. The Spartan Direct Drive supports two user codes.

Important: Always test your new code with the safe door open before closing it.

2. Locking the Safe

To lock the safe, ensure the door is closed. The Spartan Direct Drive features a mechanical knob/bezel for direct control:

1. Close the safe door.
2. Turn the keypad bezel **counter-clockwise** to extend the bolt and lock the safe.
3. The lock will blink once and beep twice to confirm it is locked.

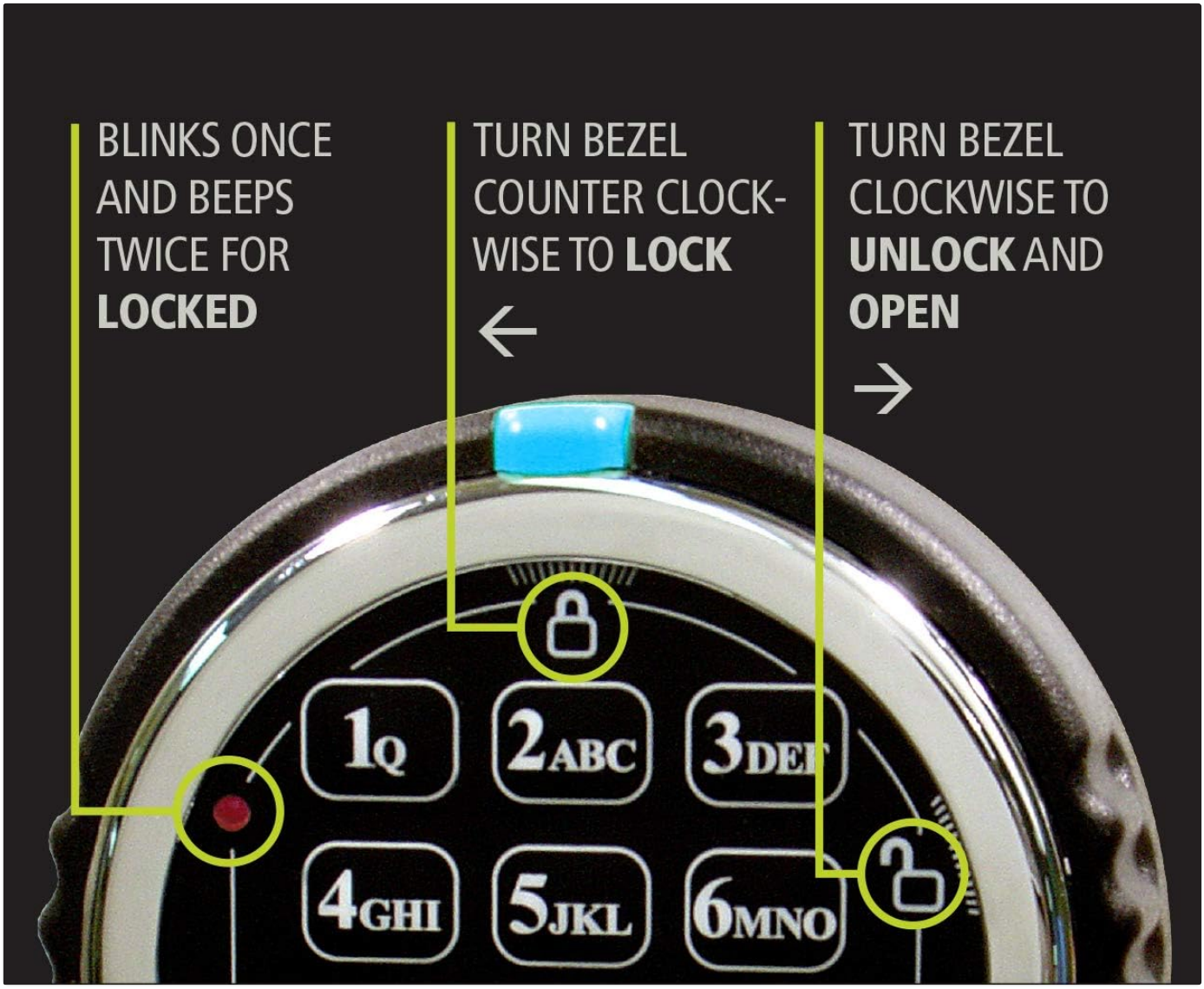


Image 6: The keypad showing visual indicators for locked (red dot) and unlocked (open padlock icon) states, with arrows indicating bezel rotation for locking and unlocking.

3. Unlocking the Safe

To unlock the safe:

1. Enter your valid user code or master code on the keypad.
2. After successful code entry, the lock will indicate an unlocked state (e.g., a green light or specific beep pattern).
3. Turn the keypad bezel **clockwise** to retract the bolt and open the safe door.

The direct drive mechanism allows the bolt to remain retracted even if the door is closed, providing convenience for frequent access. To re-lock, simply turn the bezel counter-clockwise.

4. SmartThings Integration (Optional)

The Spartan Direct Drive lock is compatible with SmartThings via Z-Wave connectivity for remote monitoring and control. Refer to your SmartThings hub's documentation for pairing instructions. This feature allows for integration into a smart home system for enhanced security management.

Maintenance

1. Battery Replacement

The lock operates on one 9V Lithium Ion battery. The keypad will provide low battery warnings (e.g., specific light flashes or beep patterns) when the battery needs replacement. It is recommended to replace the battery annually or at the first sign of a low battery warning.

- To replace the battery, locate the battery compartment, typically on the underside or rear of the keypad.
- Remove the old battery and insert a new 9V Lithium Ion battery, ensuring correct polarity.
- Dispose of old batteries responsibly.

Note: Always replace the battery with the safe door open to avoid being locked out if an issue occurs during replacement.

2. Cleaning

Clean the keypad surface with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the electronic components or finish.

3. General Care

Avoid applying excessive force to the keypad or bezel. The direct drive mechanism is designed for durability, but proper handling ensures longevity.

Troubleshooting

Problem	Possible Cause	Solution
Keypad does not respond or lights do not illuminate.	Dead or low battery. Incorrect battery installation. Loose cable connection.	Replace the 9V battery with a new one, ensuring correct polarity. Check that the keypad cable is securely connected to the lock body.
Lock does not unlock after entering a valid code.	Incorrect code entered. Bezel not turned clockwise. Lock mechanism obstruction.	Re-enter the code carefully. Ensure the bezel is turned clockwise after code entry. Check for any obstructions preventing the bolt from retracting.
Lock does not lock when bezel is turned counter-clockwise.	Safe door not fully closed. Boltwork obstruction.	Ensure the safe door is completely closed and aligned. Check for any items obstructing the boltwork from extending.
Forgotten code.	Code lost or forgotten.	If the master code is known, it can be used to reset or change user codes. If all codes are lost, contact Sargent & Greenleaf customer support for assistance. Proof of ownership may be required.

Specifications

Feature	Detail
Model Number	1007-102
Brand	Sargent & Greenleaf
Lock Type	Electronic Keypad, Direct Drive
Special Feature	Keyless Entry, Withstands 225 lbs Bolt Pressure
Material	Metal Alloy
Dimensions (L x W x H)	10 x 7.25 x 2.56 inches
Item Weight	2.14 pounds
Power Source	1 x 9V Lithium Ion Battery (included)
User Codes	Supports two user codes (Master and User)
Connectivity	Z-Wave (for SmartThings compatibility)
Finish	Brushed Bronze
UPC	850001149037

Warranty and Support

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official Sargent & Greenleaf website. Warranty terms and conditions may vary.
For technical support, programming assistance, or service inquiries, please contact Sargent & Greenleaf customer service. Contact details can typically be found on the manufacturer's website or in the product packaging.
Sargent & Greenleaf Official Website: www.sargentandgreenleaf.com

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