SDC CB401-AU

SDC CB401-AU Communicating Bath Push Switch User Manual

Model: CB401-AU

PRODUCT OVERVIEW

The SDC CB401-AU is a communicating bath push switch designed for secure access control in shared bathroom environments. This stainless steel switch is compatible with Emlock, Selectric, Electra, and Hi-Tower locking systems. It ensures that both doors of a communicating bathroom must be closed for the lock to engage, enhancing privacy and security. A visual indicator light confirms the locked status.

Figure 1: SDC CB401-AU Communicating Bath Push Switch. This image displays the front of the stainless steel switch, featuring a prominent red square push button. Above the button, text reads "BATHROOM LOCK" and "BOTH DOORS MUST BE CLOSED TO LOCK". Below the button, it states "PUSH TO LOCK OR UNLOCK" and "LIGHT ON DOOR LOCKED". The SDC logo is visible at the top.

SETUP AND INSTALLATION

This section provides general guidelines for the installation of the CB401-AU switch. Professional installation is recommended to ensure proper functionality and compliance with local electrical codes.

Pre-Installation Checklist:

- Verify compatibility with your existing Emlock, Selectric, Electra, or Hi-Tower locking system.
- Ensure all necessary wiring and power sources are available and meet specifications.
- Confirm the mounting location inside the shared bathroom is suitable and accessible.
- Gather required tools (e.g., screwdriver, wire strippers, drill).

Mounting Instructions:

1. Turn off power to the installation area at the circuit breaker.
2. Carefully remove the existing switch plate, if applicable.
3. Connect the wiring from the locking system to the appropriate terminals on the CB401-AU switch. Refer to the wiring diagram provided with your specific locking system for correct connections.
4. Mount the switch securely to the wall box using the provided screws.
5. Attach the faceplate.
6. Restore power and test the functionality.

Important: This switch requires both communicating bathroom doors to be closed for the lock to engage. Ensure the associated door sensors and wiring are correctly installed and functioning.

OPERATING INSTRUCTIONS

The SDC CB401-AU switch provides simple operation for securing a shared bathroom.

Locking the Bathroom:

1. Ensure both communicating bathroom doors are fully closed.
2. Press the red push button on the CB401-AU switch.
3. The integrated light on the CB401-AU switch will illuminate, indicating that the doors are locked.
4. Verify that both doors are securely locked from the outside.

Unlocking the Bathroom:

1. Press the red push button on the CB401-AU switch again.
2. The integrated light will turn off, indicating that the doors are unlocked.
3. Verify that both doors can be opened.

Note: If the light does not illuminate when attempting to lock, ensure both doors are completely closed and the system is receiving power.

MAINTENANCE

The SDC CB401-AU switch is designed for durability and requires minimal maintenance.

- **Cleaning:** Wipe the stainless steel surface with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or internal components.
- **Inspection:** Periodically check the switch for any signs of physical damage, loose connections, or unusual operation.
- **Functionality Test:** Regularly test the locking and unlocking function to ensure proper operation.

Do not attempt to disassemble the switch. Refer all internal repairs to qualified service personnel.

TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Switch does not lock doors.	- Doors not fully closed. - No power to the system. - Wiring issue. - Faulty lock mechanism.	- Ensure both doors are completely closed. - Check circuit breaker and power supply. - Verify all wiring connections are secure (consult professional). - Inspect the associated Emlock/bolt lock for proper function.
Light does not illuminate when locked.	- Light bulb failure (if applicable). - Wiring issue to the indicator light. - System not fully engaged.	- Contact SDC support for replacement or service. - Check wiring connections (consult professional). - Ensure doors are fully closed and lock mechanism is engaged.
Switch feels loose or wobbly.	- Mounting screws are loose. - Improper installation.	- Gently tighten mounting screws. Do not overtighten. - If issue persists, professional re-installation may be required.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact SDC customer support.

SPECIFICATIONS

Feature	Detail
Model Number	CB401-AU
Product Dimensions	2 x 3 x 5 inches
Item Weight	4.8 ounces
Material	Stainless Steel
Operation Mode	ON-NONE-OFF
Mounting Type	Wall Mount
Actuator Type	Push Button
International Protection Rating	IP00
Control Method	App (*Note: This specification from source data may refer to the overall system, not the switch itself. The switch is a physical push button.*)
Connectivity Protocol	Wi-Fi (*Note: This specification from source data may refer to the overall system, not the switch itself. The switch is a physical push button.*)
Compatible Systems	Emlock, Selectric, Electra, Hi-Tower

Note: Specifications are subject to change without notice.

WARRANTY AND SUPPORT

Warranty Information:

Specific warranty details for the SDC CB401-AU switch are typically provided with the product packaging or can be obtained directly from SDC. Generally, SDC products come with a limited warranty covering defects in materials and workmanship under normal use.

Please retain your proof of purchase for warranty claims.
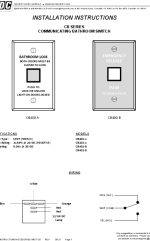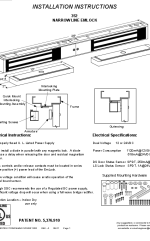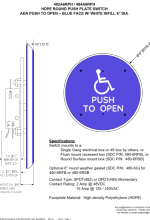
Customer Support:

For technical assistance, troubleshooting, or warranty inquiries, please contact SDC customer support. Contact information can usually be found on the SDC official website or within the product documentation.
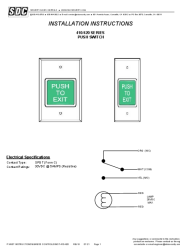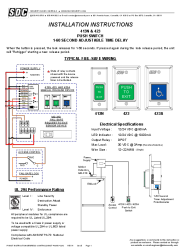
When contacting support, please have your product model number (CB401-AU) and purchase date available.

Related Documents - CB401-AU

	SDC Engineered System Design Services for Access and Egress Control SDC's Engineered System Design Services offer comprehensive solutions for multi-door access and egress control, featuring UR Series controllers, EMLocks, electric strikes, and detailed system wire diagrams for various applications.
	SDC CB Series Communicating Bathroom Switch Installation Instructions Detailed installation instructions for SDC CB Series Communicating Bathroom Switches, including CB400-A, CB400-B, and CB700 models. Covers specifications, wiring, and assembly procedures for door access control.
	SDC 352 Narrow Line EMLock Installation Instructions Comprehensive installation guide for the SDC 352 Narrow Line Electromagnetic Lock. Learn how to properly install and wire this access control hardware for 12VDC or 24VDC systems.
	SDC 482A6RPH/484A6RPH HDPE ADA Push Plate Switch Installation Guide Installation instructions for the SDC 482A6RPH and 484A6RPH HDPE Round Push Plate Switches. These ADA-compliant door release buttons feature a blue face with white 'PUSH TO OPEN' text and are designed for easy installation with various electrical boxes.

[SDC 410/420 Series Push Switch Installation Instructions](#)

Installation guide for SDC 410/420 Series Push Switches, detailing electrical specifications, wiring diagrams, and product features for secure access control systems.

[SDC 413N & 423 Push Switch Installation Instructions](#)

Installation instructions for SDC 413N and 423 Push Switches with adjustable 1-60 second time delay. Includes wiring diagrams for fail-safe and fail-secure configurations, electrical specifications, and UL 294 performance ratings.