S4A-ACCESS

Professional Security Hardware & Automated Access Solutions

Model: EB-S70KLC
16 Years Manufacturing

Core Product Overview

The **EB-S70KLC** Emergency Stainless Steel Door Button with Mechanical Key is an advanced, high-reliability egress and emergency release device designed for modern access control systems. Engineered with a robust stainless steel faceplate and precision mechanical override, it guarantees fail-safe operation in critical commercial, industrial, and institutional environments.

Key Highlights & Pricing

Features a dual-function design combining electronic switching(SPDT NO/NC/COM) with physical key override for absolute security compliance during power outages or emergency drills.

Technical Specifications

Parameter	Specification Details
Product Name	Emergency Stainless Steel Door Button With Mechanical Key
Model Number	EB-S70KLC
Faceplate Dimensions	115mm (L) × 70mm (W)
Contact Output	SPDT (Single Pole Double Throw) - NO / NC / COM
Indicator Light	LED Dual-Color Indicator (Red in Standby Mode, Green when Triggered)
Housing Material	Brushed Stainless Steel Panel with Durable Metal Button Base
Mechanical Override	High-security tubular/cylinder mechanical key switch for manual reset/ lockout
Max Power Rating	3A @ 36VDC max input current/voltage

Installation Guide

Step-by-Step Mechanical & Electrical Setup for EB-S70KLC

S4A-ACCESS
Installation Manual

Hardware Installation Procedure

Proper installation ensures reliable emergency egress and system longevity. Follow these systematic steps for mounting and wiring the EB-S70KLC button unit.

1 Surface Preparation & Cutout

Measure and mark the mounting location on the wall or door frame (standard single-gang box compatible). Ensure clearance for the rear wiring block (approx. dimensions 115×70mm faceplate).

2 Mechanical Mounting

Secure the back mounting box using appropriate wall anchors and screws. Feed the access control control-panel cables through the central cable entry hole before tightening the stainless steel faceplate.

3 Electrical Wiring (SPDT Contacts)

Connect system wires to the terminal block. Use **COM** (Common) alongside **NO** (Normally Open) for fail-secure electric strikes, or **NC** (Normally Closed) for fail-safe magnetic locks.

4 LED Power Connections

Connect the auxiliary 12VDC power leads to power the dual-color LED indicator. Ensure correct polarity (Red = Standby, Green = Triggered activation state).

5 Faceplate Final Securing & Testing

Fasten the brushed stainless steel faceplate securely with the provided security screws. Test button responsiveness and mechanical key override operation.

Operation & Maintenance

Usage Guidelines, Troubleshooting & Quality Assurance

S4A-ACCESS
User & Support Guide

Operational Instructions & Usage

The EB-S70KLC operates seamlessly within comprehensive security architectures. Under normal conditions, the built-in LED indicator glows **Red**, signifying active standby monitoring. When pressed in an emergency, the internal microswitch cuts or completes the circuit instantly, releasing the door lock and shifting the LED indicator to **Green**.

Mechanical Key Override Protocol

The integrated mechanical key lock allows facility administrators to lock out or manually reset the emergency trigger state following an emergency event. Insert the key and turn clockwise/counterclockwise to restore normal circuit status.

Troubleshooting & Maintenance Matrix

Symptom	Possible Cause	Recommended Solution
LED Remains Off	Incorrect 12VDC power polarity or loose power wiring.	Verify DC power leads, check multimeter voltage at terminals.
Door Fails to Unlock	Incorrect wiring configuration (NO vs NC mismatch).	Switch wire from NO terminal to NC terminal depending on lock type.
Key Switch Stiff	Dust accumulation or minor mechanical misalignment.	Apply graphite lubricant; verify faceplate mounting screw tension.

Quality Assurance: Backed by S4A Industrial Co., Limited's 16 years of manufacturing excellence in security hardware. For bulk orders, custom OEM branding, or technical support, contact your dedicated sales representative.