

ES200NC (FAIL-SECURE) AND ES200NO (FAIL-SAFE)



Series Overview

The ES200NC is a high-security Narrow Type Electric Bolt Lock engineered for commercial, industrial, and high-traffic residential framing setups. Crafted with a heavy-duty stainless steel locking bolt, this fail-safe motorized mechanism seamlessly integrates into narrow door profiles and hollow metal jambs. It features intelligent state signaling alongside dual door-position monitoring loop sensors, providing an optimized physical security footprint that bridges robust architectural hardware with advanced electrical access control networks.

Functions

Dual Operational Configurations:

Offers a choice between the ES200NC Fail-Secure model (remains locked during power failures to preserve security) and the ES200NO Fail-Safe model (automatically unlocks when power is cut to allow emergency evacuation).

Slim Architectural Profile:

Engineered with a compact 200mm body layout designed for seamless mortise installation within narrow storefront profiles and hollow metal frames.

Dual Monitoring Sensors:

Features independent, built-in lock bolt and door-status sensor loops providing dedicated COM, NC, and NO outputs for complete state-reporting accuracy.

Configurable Onboard Time Delay:

Outfitted with an integrated mechanical time-delay switch adjustable to 0, 3, or 6 seconds to eliminate bolt-jamming during door closure.

Multi-Wire System Integration:

Implements a versatile 9-wire terminal sequence (red, black, blue, white, yellow, green, gray, orange, purple) for advanced interfacing with remote control stations or multi-panel access arrays.

Smart Power Control Circuits:

Regulates operational efficiency by automatically switching from a high 1100mA startup peak current to an energy-saving 140mA standby hold current once fully engaged.

Industrial Solid-Steel Security:

Constructed using a robust 12.5mm diameter solid stainless steel bolt mechanism designed to deliver high-tier physical tamper opposition.

Technical specification

Lock size	200L x 28W x 39H mm
Bolt	12.5mm Dia, 15±1 mm stainless steel bolt length
Work voltage	DC12V±%
Start current	1100mA
Standby current	140mA
Times delay	0, 3, 6sec
Iron plate Accessories	2 pcs
Magnet plate Accessories	90L x 24W x 3H mm (1 pcs)
Screw Accessories M5	M5 x 15mm 5pcs
Screw Accessories M4	M4 x 11mm 5pcs

Narrow Type Electric Bolt Lock

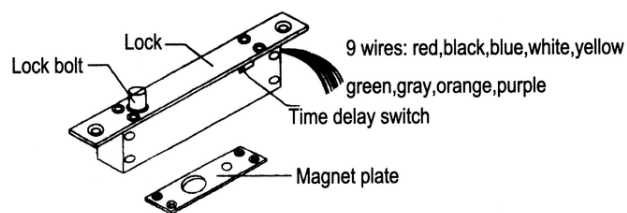


Figure 1

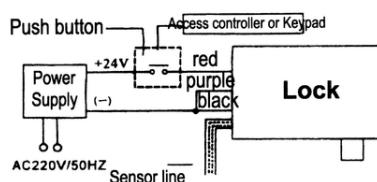


Figure 2-A

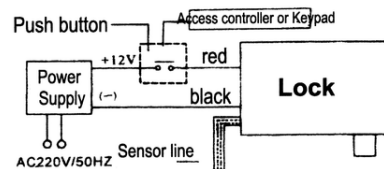


Figure 2-B

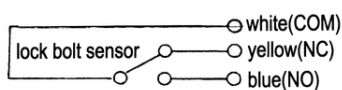


Figure 3-A

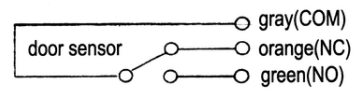


Figure 3-B

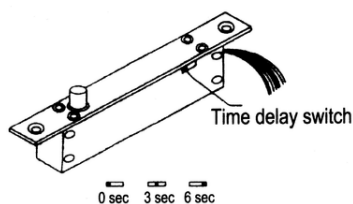


Figure 4

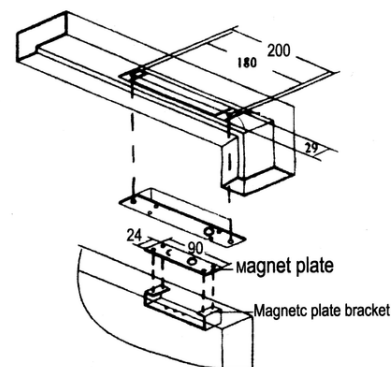


Figure 5