

# EX-100

## Emergency resettable door release Switch

### Reliable Access Control Solution for Emergency Situations

The EX-100 is a highly reliable emergency resettable door release switch designed with a reversionary key and built-in microcontroller for public areas like hospitals and restaurants. It features waterproof housing, adjustable proximity detection, and customizable door opening times, ensuring safety and functionality.

#### Key Feature

Reversionary Key Featuring Non-Slip Design:	Ensures ease of operation even in high-stress situations.
Built-in Microcontroller with Self-Testing:	Automatically performs power-on self-diagnostics to ensure functionality.
Waterproof IP65 Rating:	Front panel is designed for outdoor and indoor use, offering durability in various environments.
Adjustable Proximity Detection:	Detection range is adjustable between 3 to 12 cm for versatile installation.
Customizable Door Opening Time:	Set trigger state between 0.5 to 20 seconds, or use toggle mode for continuous door operation.
Interference-Free Signal Design:	Prevents disruptions from external light sources, ensuring accurate detection.
Wide Operating Temperature Range:	Functions reliably between -10°C and 70°C, with maximum humidity up to 85% Rh.



#### Emergency Exit Control

Allows for manual door release during emergencies such as fire alarms or power failures.

#### Access Control Systems

Integrated into access control systems to provide override functionality for secure doors.

#### Security Systems

Used in conjunction with security alarms to trigger door releases for evacuation or emergency access.

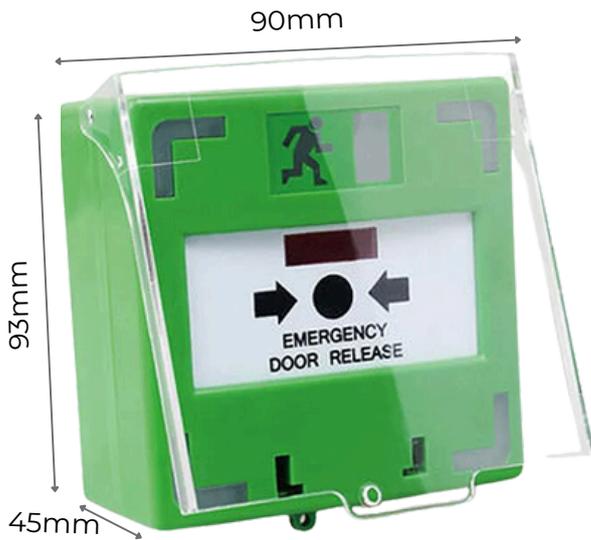
#### Manual Door Reset

Offers the ability to manually reset and control door access after an emergency situation or unauthorized entry.

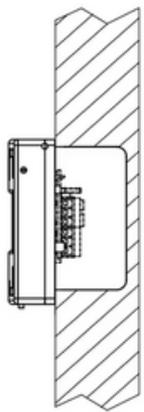
#### Automatic Door Systems

Enhances automatic door setups with a fail-safe mechanism for emergency exits and entry points.

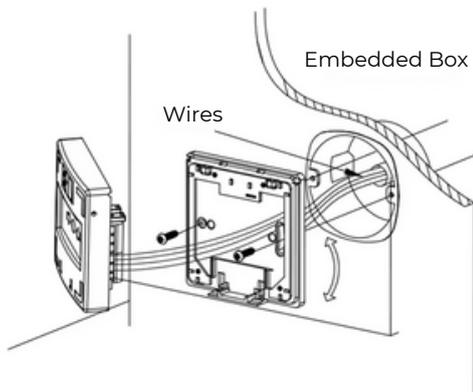
# Dimension:



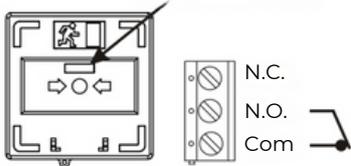
Lateral View



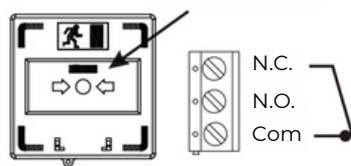
Embedded Box



Status display: Green

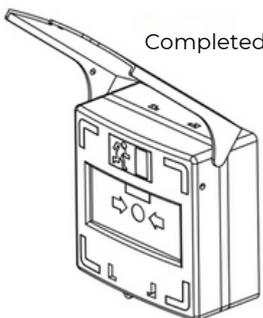


Status display: Red

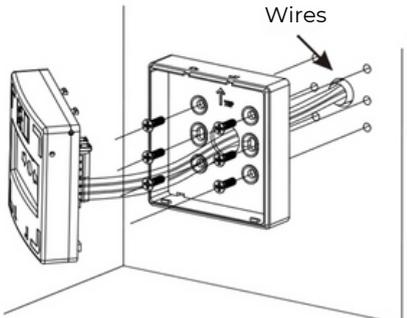


# Installation:

Completed



Wires



## DOOR CONTROL SYSTEM DOOR BUTTON

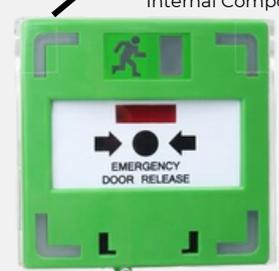
High sensitivity, 0 misinformation, strong stability, non-wire impact.



Internal Components



Back



Positive

# Application:

- Hospitals and Healthcare Facilities: Ensures controlled access to restricted areas while providing an easy-to-use emergency release function.
- Restaurants and Commercial Buildings: Facilitates safety compliance and emergency access during power failures or fire alarms.
- Educational Institutions: Helps maintain secure environments with manual reset capabilities in case of emergency.

# Specification

Model Number:	EX-100
Output:	NO, NC, & COM Output.
Maximum Load:	125V / 3A.
Material:	ABS, PC.
Voltage:	DC12V~24V ±10%.
Dimensions:	90L x 93W x 45H (mm).
Weight:	192g (including packaging).
Operating temperature:	-10°C to 70°C.
Humidity:	85% Rh maximum.
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Humidity:	85% Rh maximum.
Proximity range:	3 to 12 cm (adjustable).