F-CMP451S-DE-REX-LM

DELAY EGRESS PANIC EXIT DEVICE

Product Features

F-CMP451S-DE-REX-LM delayed egress panic exit device combines the life-safety functionality of a standard panic bar with a temporary locking mechanism for security. Designed to deter unauthorized exit attempts, it delays door opening for a short, predetermined period while triggering an alarm.

This Device is use in settings where security is a priority but free emergency exit is required by code. Common applications include:

Retail stores: Deters "run-out" theft of merchandise.

Assisted living and memory care facilities: Prevents vulnerable residents from wandering off un-supervised.

Hospitals and healthcare facilities: Controls the movement of patients in sensitive areas.

Warehouses and schools: Secures inventory and controls access in specific areas

Operation

Activation and alarm: After a few seconds of continuous pressure, the system activates a timer and an audible alarm. The alarm alerts security or staff that an unauthorized exit is in progress.

Delayed unlocking: The door remains locked for the duration of the timer (e.g., 15 seconds), giving personnel time to respond.

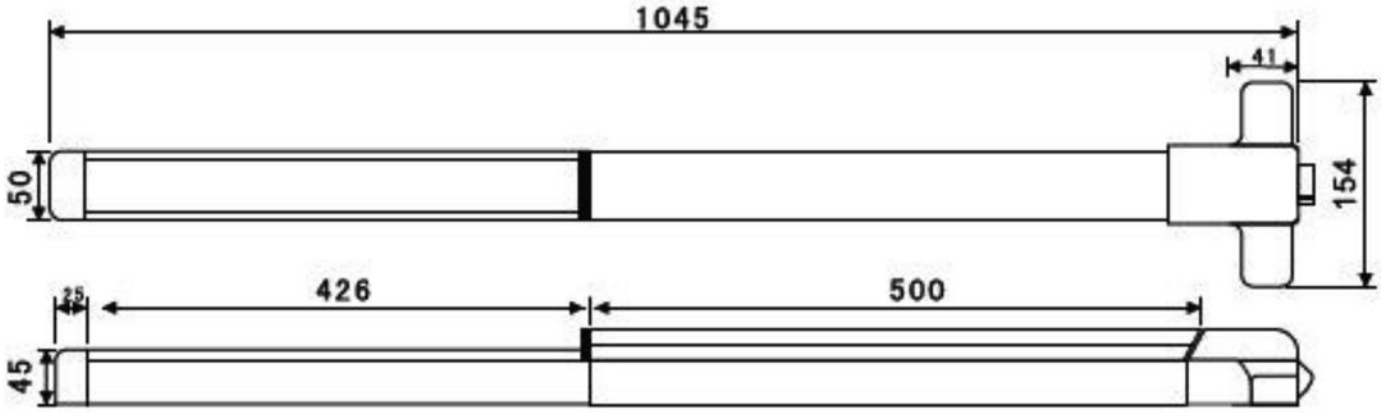
Automatic release: Once the timer expires, the door automatically unlocks, allowing the person to exit.

Emergency override: For emergency situations like a fire, the device is tied into the building's fire alarm system and will unlock immediately upon activation, ensuring quick and safe evacuation. Power loss to the locking mechanism will also cause the door to unlock.

Technical Specification

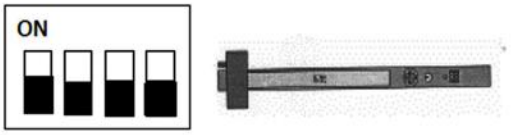
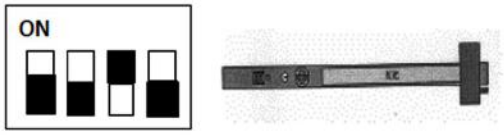
Model	F-CMP451S-DE-REX-LM
Operating Voltage	12-24VDC ±15%
Current	IDLE 300mA, Max 350mA , Open door 60mA
Relay Output	30VDC Max 1A, 35VAC Max 0.5A
Input Signal	12-24 VDC
Operating Temperature	-20°C-+60°C

Product Dimension

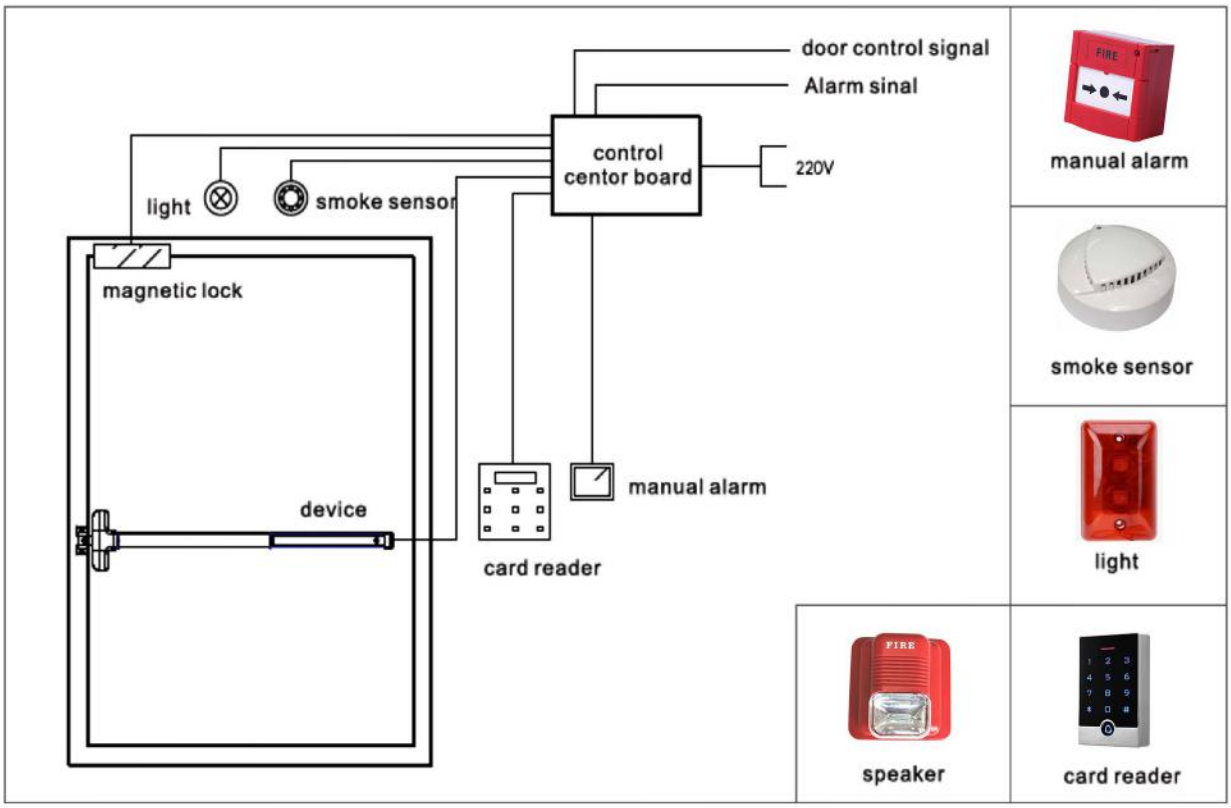


Controller Instruction

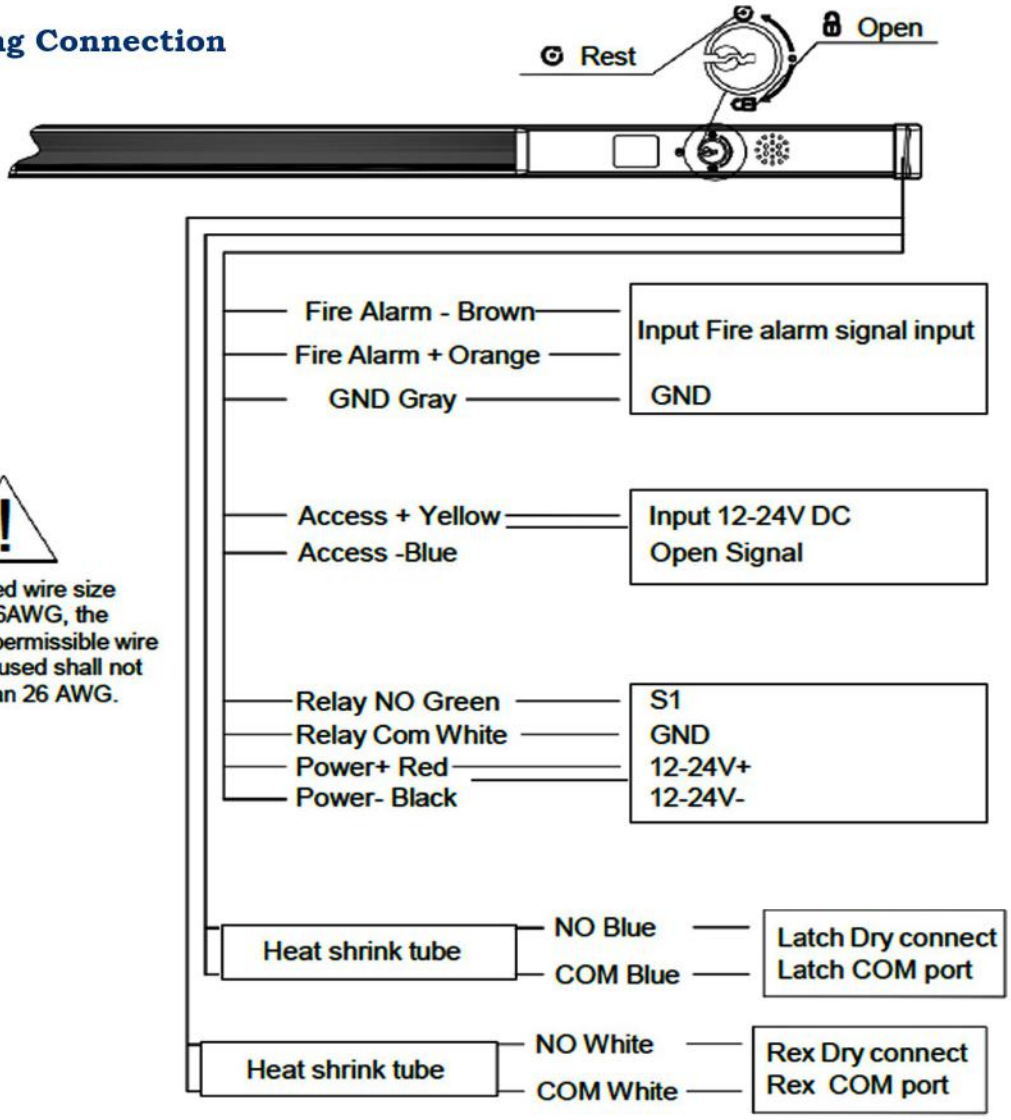
1. 5,10,15s delay time is adjustable. (Display direction is adjustable, refer the setting diagram.)
2. Key to reset the lock to stop alarm.
3. Key to open the door. When the key turn to the location of "OPEN" the Device is open. If the key stay in this location, the door will become passage.
4. Function Option dial switch: Position 1 and 2 is for delay time setting. Position 3 is for showing setting. *All as below list show:*

Set	Diagram
5s delay	
10s delay	
15s delay	
0s delay	
Right Open	
Left Open	

Installation Diagram



Wiring Connection



The allowed wire size range is 26AWG, the minimum permissible wire size to be used shall not be less than 26 AWG.

Wiring Connection

Port	Color	Description
1	Brown	Fire Alarm COM
2	Orange	Fire Alarm input DC12-24 V When in high level the panic device will open with voice alarm
3	Gray	GND
4	Yellow	Access Controller output DC12-24 V When in high level the panic device will open
5	Blue	Access Controller COM
6	Green	Relay NO
7	White	Relay Com
8	Red	12-24 V+
9	Black	12-24 V-

Heat shrink tube		
Port	**Color**	**Description**
1	Blue	Latch Dry connect
2	Blue	Latch COM port

Heat shrink tube		
Port	**Color**	**Description**
1	White	Rex Dry connect
2	White	Rex COM port

User Guide

1. Working status, the LED show bright red. When press the touch bar, the LED flashes, speaker alarm and down counter display. Alarm stop, the LED is changed to green, and press the touch bar, the door is open.
2. Turn the key to the location of "OPEN", the LED is changed from red to blue, in 3 seconds the touch bar will be pressed and door open.
3. Turn the key to the location of "RESET", the device will reset to working status.
4. The alarm will not stop if continue pressing the touch bar.
5. The device only release the touch bar for 3 seconds. After 3 seconds, the device will reset to working status.