

# EM24EX SELF-RESETTING EMERGENCY EXIT SYSTEM

For 12VDC Fail Safe Locking Only when Green Breakglass Unit is not used due to security risk of regular abuse and/or to comply with Secured By Design.

This is a safety device to guarantee escape in the event of an emergency. Operates in conjunction with **FAIL-SAFE relay device** (supplied pre-cabled). The double-pole bottom button also activates a latching hold unlocked function. Installation instructions must be clearly adhered to. Correct installation could be a matter of life and death.

Designed to replace an EN54-11 type A manual call point in order to release fail safe electric release and fail safe electro-magnetic locking devices on access-controlled doors using indirect activation (BS 7273-4 category C) but substitutes a manual mechanical reset with a timed automatic reset. BS EN 13637: 2015 "Electrically controlled exit systems for use on escape routes" establishes that escape doors can be operated electronically.

EM24EX + 1FL



Flange: 195mmH x 145mmW  
Backbox: 168mmH x 120mmW x 80mmD

EM24EX + 1SL



158mmH x 108mmW x 73mmD

EM24EX + 1HS



150mmH x 108mmW x 73mmD (bottom) x 100mmD (top)

ALL EXTERNALLY RATED

**MAX 1 METRE DISTANCE AT MAX 1 METRE HEIGHT AFFL FROM DOOR PULL/PUSH HANDLE.**

Item code	Description	List price
EM24EX-F	Self-resetting emergency exit device, pre-assembled & cabled, c/w flush flanged BS316 s.steel housing	£340
EM24EX-S	Self-resetting emergency exit device, pre-assembled & cabled, c/w surface BS316 s.steel housing	£340
EM24EX-HS	Self-resetting emergency exit device, pre-assembled & cabled, c/w hooded surface BS316 s.steel housing	£340
EM24EX-V3-F	Self-resetting emergency button only*, (no green mushroom), c/w flush flanged BS316 s.steel housing	£300
EM24EX-V3-S	Self-resetting emergency button only*, (no green mushroom), c/w surface BS316 s.steel housing	£300

\* Everything else as per the standard 2 button EM24EX units.

The specification (based on application and security level requirements) and the installation of Door Release and Emergency Exit devices on communal doors must be in full compliance with the relevant Building Regulations, achieve final ‘sign-off’ by local Building Control / Approved Inspector (as applicable), and must comply fully with any fire evacuation policies.

**EM24EX (FAIL SAFE TIMER RELAY) SELF-RESETTING EMERGENCY EXIT SYSTEM**

For 12VDC fail-safe locking applications only.

**PRESS & HOLD** of the Emergency button also cuts power to the EM24EX (Fail Safe Timer Relay) so both its lock relays fail (they need power to be operational) thereby **mechanically (physically) breaking** the fail safe lock power circuits so electrical locking released.

To comply with both BS EN 60839-11-2 and the NSI NCP 109.3 Code of Practice for Illumination & Sound Indication.

**Pressing the Emergency button momentarily:**

Green light illuminates for the preset duration the electrical locking is released.

Alarm buzzer sounds for the preset duration the electrical locking is released.

**PRESS & HOLD** of the Green Mushroom exit button also **mechanically (physically) breaks** the fail safe lock power circuit so electrical locking released.

**AUTOMATICALLY SELF-RESETS**



**PRESSING THE EMERGENCY BUTTON MOMENTARILY (Press & Release)** acts as a power OFF / ON to the EM24EX (Fail Safe Timer Relay) which activates the hold unlocked release feature of the electrical locking for the preset duration period.

**PRESS & HOLD** of the Emergency button also **mechanically (physically) breaks** the lock power circuit so electrical fail safe locking released.



**EMERGENCY BUTTON**



Building Regulations Part M (Access), Clause 2.17C.

*"Doors must be openable.....using a CLOSED/CLENCHED fist..."*

The Emergency button must be raised proud of the mounting surface to comply.

BS-EN-11 provides examples of symbols on emergency "call-points", to simplify understanding of usage for all.

