



Delayed Egress Exit Device



Delayed Egress Exit Device (DE device) is designed for use on delayed exit applications, it is ideal for all controlled areas use. This DE device is UL (Underwriters Laboratory in USA) listed for Panic Hardware or Fire Exit Hardware, and listed on ANSI/BHMA A156.24 Delayed Egress Locks category of BHMA Certified Products Directory.

OPERATION:

The DE device secures the door in a locked mode with a Red LED indicating locked status.. Depressing the push bar carelessly or for less than three seconds will sound a nuisance beep without initiating the alarm. If depress the push bar for three seconds or longer that will actuate a local loud alarm and a visual red indicator until the alarm is shut off.

This DE device has a remote monitoring contact output on the circuit board that can be used to alert security personnel if the alarm sounds. As soon as any person depresses the push bar that will be denied egress for 15 or 30 seconds and security personnel are alerted for taking immediate action. After the delay time of 15 or 30 seconds the DE device releases, the LED changes to Green and allow this DE device to function as a standard exit device for safe egress, depressing the push bar at this time, the door can be opened. If the door has not been opened within two seconds, the LED will change to Red and the DE device switches to armed mode instantly.

When the alarm is sounded and changed to a steady tone which continues to alarm until turning off manually by key. Once the DE device is released, depressing the push bar for egress within 10 seconds that will not sound the alarm at this time. After 10 seconds. LED lights to red automatically and will re-arm.

FEATURES:

1. Control To Exit

Built into the DE device to detect when someone attempts to exit a controlled door. When the DE device is in armed state, pushing the push bar will activate this switch to start alarm and delay to exit.

2. Nuisance Alarm

When the DE device is armed, a Nuisance Delay in this device will sound an audible nuisance beep if the push bar is depressed carelessly for 2 seconds or less, but the alarm sequence will stop unless the push bar is held for 3 seconds or more.

3. Momentary Exit

When the DE device is armed, turning the key to BYPASS position that will allow authorized personnel to exit without alarm sound. The key switch can provide temporary disarming to allow for momentary egress. The time period between relock and rearm the DE device from opening the door to exit has 10, 20 and 30 seconds for choosing

4. LED Indicator Modes

The DE device has a LED indicator lamp showing 3 colors to indicate different function modes:

- **Flash Red** – Arm State

When power applied, the DE device is armed instantly, the LED indicator will flash red.

- **Solid Green** – Disarm State

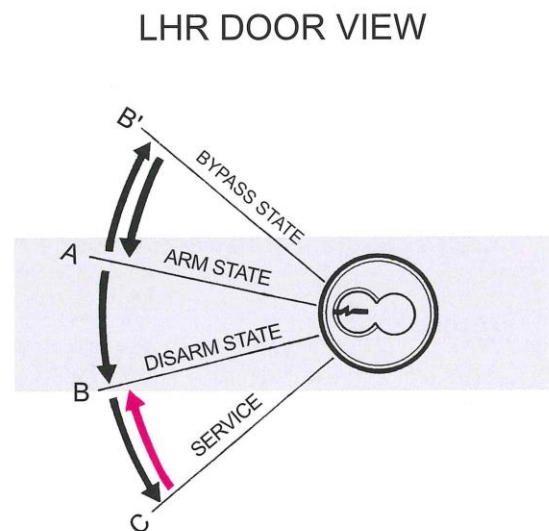
When the DE device is alarming, rotate the key counterclockwise one click to shut off the alarm (from A to B).

- **Flash Green** – Bypass State

For momentary egress, rotate the key clockwise one click, the LED indicator will flash green for exit (from A to B')

- **Flash Blue** – Service State

When the DE device is armed, rotate the key 2 clicks for repairing or maintaining, the LED Indicator will flash blue (from A to C).



5. Anti-Disassembly Mode

When the DE device is armed, if someone tries to disassemble the end cap for removing the device cover to turn off the power switch, the alarm will sound immediately.

6. Internal Alarm Horn

Whenever the push bar is depressed for more than 3 seconds to actuate the alarm, the internal horn will sound 103 dB at 5 feet until the DE device is disarm by key.

7. Remote Alarm

A remote horn speaker can be connected to this DE device through a relay.

8. Fire Alarm Input

This input will disable the DE device immediately and change as a standard exit device.

9. Definable Delay Time

Most jurisdictions allow 15 seconds of delay before getting egress. This DE device can be set for 3, 8, 13, 15, 18, 22, 26 and 30 seconds for choosing in the job site. For delays longer than 15 seconds, a permit letter from local authority is required..

The DE device is furnished with a sticker which states:

**PUSH UNTIL ALARM SOUND
DOOR CAN OPENED IN 15 SECONDS**

REQUIRED ACCESSORIES:

- A regulated Power Supply with a fire alarm interface is required. 1 Amp minimum @12VDC per set. Not furnished, order separately.
- Standard electric hinge, size is 4-1/2" x 4-1/2" or 4-1/2" x 5" Conductor: 8 conductors. Not furnished, order separately.

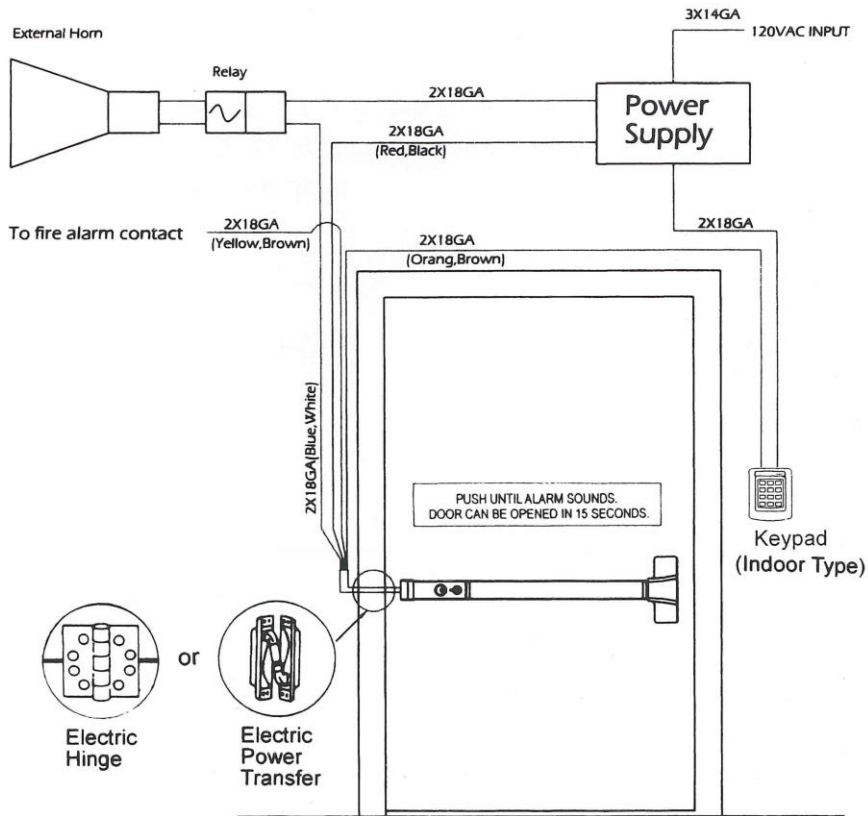
SPECIFICATIONS:

HARDWARE	
CPU	16 Bit
Keypad	Status Switch (Up/Mid/Down) x 1
Input Ports	Alarm Trigger Input x 1, Tamper Detection Input x 1
Output Ports	#Relay x 1 (NO/NC) & (12VDC Output)
LED Indicator Lamp	LED Status Indicator (Red/Green/Blue) x 1
Beep Tone	103 db piezo horn
ELECTRICAL	
Operating Voltage	12VDC regulated
Power Consumption	120uA for Standby, Alarm Trigger 83mA
ENVIRONMENTAL	
Operating Temperature	-10°C~50°C/14°F~122°F
Relative Humidity	20%~80% (Non-Condensing)

WIRING & DOOR APLICATIONS:

The following figures are shown the typical wiring on a single door or double door for our DE device, see next page.

Delayed Egress Exit Device on Single Door Application



Delayed Egress Exit Device on Pair Door Application

