

# Push Bar Delay Egress: DE7700

( DEKIT36 for 36" / DEKIT48 for 48" )



## Specifications:

- Input Voltage : 24VDC
- Current Drawing : 240mA @ 24VDC
- Operation Temperature : 0~49 °C
- Operation Humidity : 0~85% Non-Condensing

## Features:

- Switch Activated Push Bar : Push or press bar to activate switch and trigger the alarm to begin countdown (in armed mode)
- REX Time-Out : After the duration of the alarm, the door is unlocked momentarily .
- RESET Function : Upon releasing the push bar and closing the door, alarm will reset and door will be in secure mode.
- Bypass Mode - Door is in unlocked status indefinitely, until the device is reset by key and switched to ARMED mode
- Nuisance delayed state is the time after initially pushing the push bar until the alarm triggers. Duration of 1 or 2 seconds will depend on your settings.
- Device will unlock immediately upon loss of power or when triggered by a fire control supervised power supply.
- UL 294 Performance Level : Access Control Line Security Level I  
Destructive Attack Level I  
Endurance Level IV

## Status LED Display : 3 Color LEDs Stand-by Power Level I

- Should be connected with UL 294 Listed, Class 2, Power Limited Power Supply

## STATUS LED INDICATIONS

Status	Device Mode
GREEN (Solid)	Secure
RED (Solid)	Alarmed & Unlocked, Door Opened
YELLOW	Irreversible Delay in Process
GREEN (Slow Flash)	Bypassed
GREEN (Fast Flash)	Authorized Unlock (REX)
OFF	No Power

## Jumper Settings of Monitor Relay:

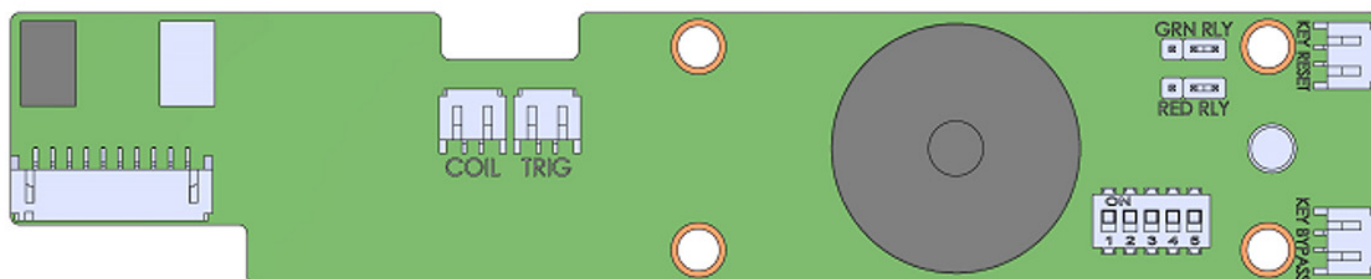
Green Relay (Active when device is secure)  
Red Relay (Active upon alarm initiation)

\*Individually sets the polarity of the GREEN & RED relays when the relay is in ACTIVE state

2 Left Pins = N/C

2 Right Pins = N/O

**FACTORY SETTING DEFAULT**



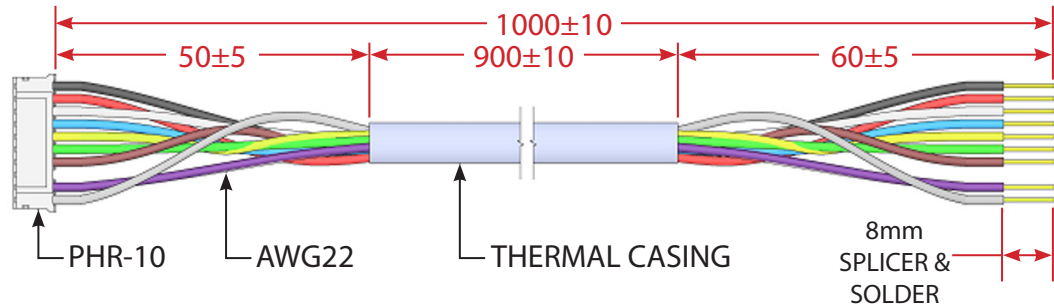
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## Wire Color:

1. BLK : Power In (-)
2. RED : Power In (+)
3. WHT : Bypass
4. BLU : Reset / REX
5. YEL : Relay Common
6. GRN : Green Relay
7. BRN : Red Relay
8. Reserve Pin
9. VIO : Remote Trigger
10. GRY : DPS



Wire Color	Wire Designation	Description
Black	Power IN (-) 24 VDC	Input Voltage: 24VDC; The Red & Black wires are the minimum required connections for a single door application.
Red	Power IN (+) 24 VDC	
White	Bypass	This is a momentary, dry input. Connect this wire to one leg of a Normally Open switch. The other leg of the Normally Open switch is connected to ground (-) VDC. When the device is in a secure state, shorting this input will unlock the device indefinitely, until the bar is reset.
Blue	Reset / REX	This is a momentary, dry input. Connect this wire to one leg of a Normally Open switch. The other leg of the Normally Open switch is connected to ground (-) VDC. When the push pad is in a secure state, shorting this input will result in an authorized unlock (REX). The REX period is configured by the dip switch settings. When the device is in an alarm, authorized unlock state, or in a bypassed state, shorting this input will reset (secure) the device.
Yellow	Relay Common	This is the shared relay common for both the Red & Green relay.
Green	Green Relay	This is the Door Secure Relay Output (Dry, 1A @ 24VDC). It is normally ACTIVE when the door is secure. It changes state when the device unlocks after; (a.) the delayed egress countdown expires, (b.) an authorized Request-to-Exit (REX) signal, or (c.) the device is Bypassed. It may be configured as a Normally Open or Normally Closed using GRN RLY jumper. The Yellow Wire is the Relay Common.
Brown	Red Relay	This is the Alarm Relay Output (Dry, 1A @ 24VDC). It is normally INACTIVE when the door is secure. It changes state when the push pad is pressed beyond the nuisance delay and placed into an Alarm State. It may be configured as Normally Open or Normally Closed using RED RLY jumper. The Yellow Wire is the Relay Common.
	Reserve Pin	
Violet	Remote Trigger	This is a dry input. Connect this wire to one leg of a Trigger switch. The other leg of the Trigger switch is connected to ground (-) VDC.
Grey	Door Position Switch (DPS)	This is a dry input. Connect this wire to one leg of a Door Contact switch. The other leg of the Door Contact switch is connected to ground (-) VDC. The Door Contact polarity must be open when the door is closed. A door contact is required for anti-tailgate and door prop alarm function.

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## FIRE CODE:

Option Code	Delay Release Time	Nuisance Time	Reset after Alarm	Lock Status on Power-Up
NC	15 secs Fixed	1 sec or 2 secs Selectable	Manual	Unlocked Fixed

## DIP Switch Settings:

POWER UP STATE		NUISANCE DELAY		BYPASS PERIOD			REQUEST TO EXIT / DELAYED RELEASE TIME	
Switch	1	Switch	2	Switches	3	4	Switch	5
Unlocked	OFF	1 sec	OFF	1 sec	ON	ON	15 sec	OFF
Unlocked	ON	2 sec	ON	15 sec	OFF	OFF	15 sec	ON
FACTORY SETTING DEFAULT				20 sec	ON	OFF		
				30 sec	OFF	ON		

**DIP1: POWER-UP STATE\*** – The power-up option, it can be selected to be “UNLOCKED” or “LOCKED”. The DE7700 will only remain unlocked.

**DIP2: NUISANCE DELAY\*** – The Nuisance delay time feature, intended to avoid accidental triggering, is selectable for 1~2 seconds. Releasing the door latch and pushing on the door will activate the internal trigger sensor. Activating the trigger beyond the nuisance delay time will start the irreversible Exit Delay cycle time. The Nuisance Delay time period is included in the lock release cycle and it will not increase or decrease the “total time to unlock” once the DE7700 is activated. Releasing the door before the end of the Nuisance delay time will turn off the warning alarm and reset the DE7700 to secure mode.

**DIP3,4: BYPASS PERIOD\*** – The Bypass period is selectable for 1, 15, 20, or 30 seconds. It is the period of time the lock will remain “bypassed”, after a remote normally open contact switch is momentarily activated. When activated with an access control system, the bypass time cycle begins immediately after the access control open time expires. The DE7700 will automatically relock if the door is opened, and then closed during the bypass time cycle.

**DIP5: REQUEST TO EXIT / DELAYED RELEASE TIME\*** – 15 seconds delayed release time upon activating the push bar to bypass mode