

# Touchpad Exit Controllers



A Touchpad Exit Controller (TEC) is a device located near a door that receives data from the Exit Alarm Receivers. If a resident/patient wearing a transmitter is detected near a monitored door that is open or opened, the controller issues an audible alarm.

### The following conditions can cause the TEC to alarm:

- TEC is in **Normal Mode** and a patient transmitter is detected in the exit zone when a door is opened
- TEC is in **Perimeter Mode** when a door is opened
- A receiver becomes saturated with noise or the tamper switch is triggered because the front panel of the TEC is open

### What do the LED status lights mean?

LED	Function	Description
Solid Red	Power	TEC is operational (stays lit at all times)
Flashing Red	Alarm	TEC is in alarm
Flashing Yellow	Signal	Signal was received from the receivers or a transmitter is within range
Solid Yellow	Signal	TEC is picking up a lot of RFI noise/interference. The system should be looked at.
Green	Status	TEC is in bypass mode (the LED blinks once when it is reset)



### How do I reset the TEC when an alarm occurs?

1. Follow your facility's procedures to secure the area
2. Go to the door that is in alarm
3. Ensure the resident/patient's safety
4. Close the door
5. Use one of the following methods to reset the controller:
  - Enter the security code on the front panel keypad of the controller
  - Swipe your access card at the card reader at the door
  - Utilize a reset switch if one is installed



**NOTE:** The default security code is 1379 but you should verify this with your facility administrator.



### What is perimeter mode?

When perimeter mode is active, the door is always locked and a code must be used to open the door otherwise an alarm sounds.

If the TEC senses that a door is open, it goes into alarm unless a bypass cycle was initiated before the door was opened.



### What is staff bypass mode?

Staff bypass mode enables a staff member to open the door by either entering a code or swiping their access card, without causing an alarm even when a patient wearing a transmitter is near.

After a code is entered, the door remains unlocked for a preset period of time to allow staff to pass through the door without it alarming.

**NOTE:** During this time, anyone can pass through the door without an alarm sounding, including patients wearing transmitters.

### What is visitor bypass mode?

Visitor bypass mode allows people who are not wearing transmitters to enter or exit through a secured door by entering a code. This option will only work if a transmitter is not within range.

When a patient wearing a transmitter attempts to exit through the door simultaneously, an alarm will sound.

**NOTE:** To help avoid “tailgating” by unauthorized personnel, the TEC can be configured to end staff or visitor bypass immediately after the door is closed.



### What happens during a fire alarm?

When a fire alarm is triggered in your facility, per fire regulations all door locks disengage and the doors open. →

Anyone wearing a transmitter leaving through a monitored door will still trigger an alarm but will not be prevented from exiting the facility.

Once the fire alarm is addressed, follow your facility’s procedures to secure the area and ensure patient safety then reset any TECs that may be in alarm.

**NOTE:** This is not done directly through the TEC which continues to monitor the door(s), but done via the central power supply relay tied into the facility’s fire system.

## How does delayed egress work?

The TEC is designed to interface with an electromagnetic lock to provide delayed egress functionality necessary to meet requirements of the **National Fire Protection Agency (NFPA) 101 Life Safety Code**. Delayed egress allows a locked door to open after an allotted time once pressure is applied to a secured door.



### To activate the delayed egress:

1. When an exit is secured through perimeter mode or when a transmitter is detected, the lock is activated and the door is secured.
2. Applying less than 15lbs. of pressure to a secured door for more than 3 seconds will initiate a quick audible alarm at the TEC and start the cycle to unlock the door.
3. After the allotted period of time (15 or 30 seconds) from the time the pressure was initiated, the door will unlock, the green LED on the TEC will illuminate and a constant audible alarm will sound at the TEC.
4. Once the delayed egress cycle has elapsed, the TEC must be manually reset. This can be done by entering the security code on the front keypad.
5. Once the TEC reset is complete, the exit is secure and the delayed egress cycle is reset.

**NOTE:** If the pressure on the door ceases before the time delay (for NFPA default is 1 second) has elapsed, the delayed egress cycle stops immediately, the audible alarm is silenced, and the door remains secure.

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