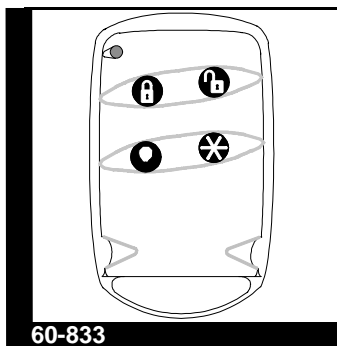


# ELM 4-Button Keychain Touchpad

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## INSTALLATION INSTRUCTIONS

### Product Summary

The ELM (Encrypted Learn Mode™) 4-Button Keychain Touchpad is an alkaline battery-powered, wireless touchpad that allows users to arm and disarm their system, activate a police or auxiliary panic alarm, or activate a panel or SnapCard™ output. Encrypted signal transmissions (or rolling code) provide higher security and virtually eliminate signal fraud.

The touchpad is designed to fit on a keychain, in a pocket or purse.

### Installation Guidelines

Use the following guidelines when adding Keychain Touchpads to the system:

- Keychain Touchpads are learned into the panel as sensors.
- Each learned Keychain Touchpad uses one of the available sensor numbers.
- Keychain Touchpads are learned into unsupervised groups (since they don't send supervisory signals) that determine how the panel responds when the lock and unlock buttons are pressed together (police or auxiliary alarm).
- Keychain Touchpads can be bypassed or deleted, to prevent lost or stolen ones from operating the system.

## EXHIBIT G

### User's Manual

#### Tools Needed

- None

### Learning ELM Keychain Touchpads into Panel Memory

This section describes how to learn Keychain Touchpads into Concord Express panels.

#### To learn ELM Keychain Touchpads as sensors:

- 1) Disarm the system to level 1.
- 2) Using an alphanumeric touchpad, enter program mode by pressing [8] + installer/dealer [C][0][0][E] + [0][0]. The display shows *SYSTEM PROGRAMMING*.
- 3) Press [#] and the display shows *SECURITY*.
- 4) Press [A] or [B] until the display shows *SENSORS*, then press [#]. The display shows *LEARN SENSORS*.
- 5) Press [#] and the display shows *SENSOR GROUP 0*. Select the appropriate unsupervised group number (01, 03, 06, 07, 32) and press [#]. The display shows *TRIP SENSOR n* (n = next available sensor number).
- 6) To change the displayed sensor number, select the desired number (1 through 24) you want assigned to the Keychain Touchpad, then press [#]. The display shows *TRIP SENSOR n*.
- 7) Trip the Keychain Touchpad by as follows:
  - a). Press and release the unlock button quickly two times before the LED blinks, then press and hold the unlock button until the LED blinks three times. Immediately release the button.
  - b). Press and release the unlock button one time before the LED blinks, then press and hold the unlock button until the LED blinks two times. Immediately release the button.
  - c). Press and hold the unlock button until the LED blinks one time, then immediately release the button.  
The display should advance to the next available sensor number, after successful learning.

- 8) Repeat 7 a, b, and c until all ELM Keychain Touchpads are learned.
- 9) Exit programming mode.

## Testing Keychain Touchpad Operation

Test Keychain Touchpad operation by pressing the buttons as described below:

- 1) Unlock Button - disarms system to level 1.
- 2) Lock Button -
  - panel attempts arming from level 1 to level 2 or from level 2 to level 3.  
If protesting, the panel responds as if BYPASS was pressed.
  - panel arms directly to level 3, with no delay.  
If protesting, the panel responds as if BYPASS was pressed.
- 3) Lock and Unlock Buttons Together - panel responds with an alarm condition (police or auxiliary), based on the sensor group the touchpad is learned into.
- 4) Star Button - panel or SnapCard output activates based on output configuration setting.

## Troubleshooting

Table 1 describes what to do if you experience trouble with Keychain Touchpad programming or operation.

**Table 1. Troubleshooting**

Problem	Action/Solution
Touchpad does not learn (alphanumeric touchpad display does not advance to next available sensor number).	Make sure Keychain Touchpad LED does not blink during quick press and release.

**Table 1. Troubleshooting (Continued)**

Problem	Action/Solution
Panel does not respond to Keychain Touchpad signals.	<ol style="list-style-type: none"> <li>1. Check panel memory to verify panel learned the touchpad. Repeat learning procedure if necessary.</li> <li>2. Touchpad is out of sync with panel (caused by 64 or more touchpad button activations out of panel receiving range). Resync touchpad and panel by entering sensor test mode and pressing the lock and unlock buttons together.</li> </ol>

## Specifications

Compatibility: Concord Express

Power Requirements: 12V 33 mAh Alkaline Battery

Range: At least 500' open air

Dimensions: L = 2.30" x W = 1.45" x H = .48"

## Notices

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation. FCC ID No. B4Z-760A-EFOB.

Changes or modifications not expressly approved by Interactive Technologies, Inc. can void the users' authority to operate the equipment



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