ELK-6011 Wireless Single Button Panic Sensor

ELK PRODUCTS

APPLICATION

The ELK-6011 is a Wireless Two-Way Panic Sensor. It features a Single press and hold button and Red LED feedback indicator. The typical application for this sensor is for activating a panic or emergency alarm. The 6011 is compatible with Wireless Transceivers that utilize Elk's 'RFTW' two-way technology; such as, the ELK-M1XRFTW. Each time the button is pressed and held the 6011 sends a unique TXID identifier to the transceiver and then listens for an acknowledgement.

The 6011 features Elk's Industry Leading Two-Way Technology, capable of on-demand status updates as well as extended range and long battery life.

SPECIFICATIONS:

Frequency: 902 Mhz - 928 Mhz frequency hopping
Dimensions: 1.43"W x 1.9"L x .53"D
Operating Temperature: 14° to 104° F (-10° to 40° C)
Relative Humidity: 5-95% Non-Condensing
Battery: Non-Replaceable, est. 5 yr life based on typical use
Unique TXID Code: Over 1 million combinations

Enrolling from M1 Keypad Installer Programming

1. Enter **M1 Keypad Installer Programming** and navigate to Menu: **14-Wireless Setup**
2. Press right arrow, then scroll up to Sub-Menu: **3:Learn Sel WirelessTransmtr**
3. Press right arrow, then scroll or select a unused/available **WZone** (wireless zone).
4. Press right arrow to **Lrn** (Enroll) a new sensor.
5. Press and hold the single button as soon as the M1 Keypad displays **Push Transmitter Button**. The M1G voice will speak; "Press Transmitter button for zone xx".
6. Upon successful enrollment the Keypad will chime and briefly display the 6 digit TXID code of the sensor.
    If enrollment fails the TXID will not display. If that occurs; repeat steps 3 thru 6.
7. The Rapid-Enroll feature will auto advance to the next wireless zone in sequence and wait for the next enrollment. Simply repeat step 5 for each additional Keychain Remote.
8. To end Rapid-Enroll AFTER all wireless zones (sensors) are enrolled, press the ELK key one time.
9. Setting the Loop # - For Keychain remotes the Loop # setting does not matter!
10. No-Supervision - Press the ELK key to locate Sub-Menu: **2: Xmit Transmitter Opt**. Press the right arrow and scroll to the wireless zone belonging to the Keychain Remote. Press the right arrow and scroll up to option 02. Press the right arrow and enter "0" for No Supervision. NOTE: Keychain Remotes are not supervised. They DO NOT send supervisory check-in signals to the transceiver!

ZONE DEFINITION: After all wireless zones (sensors) have been enrolled proceed to Menu: **5 - Zone Definitions** to program the name, zone type, and any desirable options.

Program the Zone Definition for a 6010 KeyChain Remote as: 15-Keyfob.

Enrolling from ElkRP Software

1. Launch ElkRP and open the desired Customer Account file.
2. If no wireless zones currently exist in this M1 you will need to create a group of 16 wireless zones. In the folders column right click on **Zones (Inputs)** and then click **New Wireless Zones**. Place a check mark in the box beside the desired group, then click OK. Repeat if additional wireless groups are required. All expanded zones must be defined in groups of 16. The M1XRFTW wireless must always start at Zone 17 (Group 2) and the last wireless zone CANNOT be higher than Zone 160 (Group 10).

    Note: M1 only allows Zones 17 to 160 to be used for wireless zones (max. of 144 wireless sensors). If a large number of wireless zones is expected, avoid conflict with any future Hardwired Zones in the range of zones 17 to 160 by NOT enrolling any Hardwired Zone Expanders (M1XIN) at data bus addresses below 10.

3. Double click on **Wireless - Group _** (the group just added), then double click one zone at a time to define a name, type, and options. Repeat for each wireless zone. In ElkRP it is more efficient to program the Zone Definitions (name, type, and options) before moving on to the Wireless Setup for entering the TXID and Loop number.
4. From the Folders column double click on **Wireless Setup** to setup and enroll the wireless sensors.
    4a. Click the **Transmitters** tab, then double click a zone.
    4b. Place a check mark in the **Enabled** box.
    4c. Set Supervision type to **0** - Keychain Remotes are Not Supervised.
    4d. Skip to the **TXID box** and enter the Sensor TXID from the printed label located on the sensor.
    4e. **LOOP #** - For Keychain remotes the Loop # setting does not matter!
    4f. Click **Save**. Repeat the entire step 4 for each additional Wireless Zone and Sensor.

IMPORTANT! The program option for supervision must be set to NO on any wireless zone(s) used with Keychain Remotes. These type of devices are commonly carried off-premises in a pocket or purse. Because of this, Keychain Remotes are not designed to send supervisory check-in signals since they will often be out of operating range of the Wireless Transceiver. Should the control ever display a "Missing Transmitter" trouble on a Keychain Remote zone, it quite possible that the supervisory option is set wrong. Make sure the supervisory option is set to NO.

The 6011 has a single activation button. Pressing and holding this button for at least 2 seconds will cause a wireless Keyfob event 4 activation to be transmitted to the M1 Control. Wireless Keyfob event 4 must be programmed as a 24hr Police Panic alarm. Refer to the M1 Keypad Installer programming menu [**Wireless Setup > Keyfob Defintions**] or the ElkRP Software. While the button is held, and continuing for approximately 5 seconds, the single Red LED on the 6011 should blink to confirm that the 24hr Police Panic alarm has been activated.

Key (Button) #4 Red [Triangle] - OPTIONAL: Pressing and holding this button for 2 seconds will activate programmable definition 4. Because of the 2 second press time this button is best suited for activating a Panic type of alarm. But the default definition of button 4=0000 [blank]. It is up to the Installer to program the definition for this optional feature.

NOTES: A special M1 firmware update is required to support keychain remotes assigned to partitions (Areas) 2 thru 8. If the M1 Transceiver experiences a total power loss the status displayed for partitions 2 thru 8 will be incorrect until such time as a keychain remote is used to physically change the partition status. ** Whenever the keychain remote is transmitting you may notice the LED faintly flicker, especially in dark or low light conditions. This is normal.

Operational Testing

1. The ELK-6011 Wireless Single Button Panic Sensor must be within range of the Wireless Transceiver.
2. Press and hold the button for at least 2 seconds. Continue holding.
3. The 24hr Police Panic alarm should activate on the M1 Control.
4. The LED above the pushbutton should start to blink RED, indicating that the 24hr Police Panic has been activated.
    NO LED = Out of Range

IMPORTANT NOTICES: Per UL a complete test of the security system and all zones should be performed once a week. Wireless devices cannot operate beyond the range of their Transceiver(s). If the Elk-6011 does not activate the alarm, or the LED visual feedback does not work, it is likely that the sensor is out-of-range of the Transceiver. Other causes include: 1) not properly enrolled, 2) low or dead battery, or the M1XRFTW Transceiver is disconnected or not working and able to hear and respond.

Battery

The 6011 Keychain Remote battery is not-replaceable. When the battery reaches end-of-life it will be necessary to replace the Keychain Remote. The system will display a low battery alert prior to the end-of-life.

Limited Warranty

The 6011 Wireless Single Button Panic Sensor is warranted to be free from defects and workmanship for a period of 2 years from date of manufacture. Batteries used with wireless devices are not warranted. Elk makes no warranty, express or implied, including that of merchantability or fitness for any particular purpose with regard to batteries used with wireless devices. Refer to Elk's website for full warranty statement and details.

BATTERY WARNING: Risk of fire, explosion and burns. Do not attempt to disassemble. Do not incinerate or expose to heat above 212° F (100° C). Dispose of used sensor and its battery properly. Keep away from children.