

ITI[®] SX-V[®] to Learn Mode Translator

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Installation Instructions

Product Summary

The SX-V to Learn Mode Translator receives RF signals from SX-V sensors and converts them to Learn Mode signals that can be processed by any ITI Learn Mode panel.

This allows current owners of SX-V, CareTaker[®], and RF Commander[®] systems to replace their existing control panel and update it to current Learn Mode technology, without replacing the SX-V sensors in the system. Learn Mode sensors can then be added to the system if the customer wants to expand their system.

Tools and Equipment Needed

- 2-conductor, 22-gauge or larger stranded wire
- Mounting Hardware (included)
- Phillips Screwdriver
- Small Slotted Screwdriver

Installation

Install the translator using the following guidelines.

Installation Guidelines

- The translator requires a 12 VDC power source, either from the control panel or a separate power supply with backup battery.
- Locate the translator 10 to 20 feet away from the control panel.
- Whenever possible, centrally locate the translator with regard to sensor and control panel locations.
- Mount the translator from 6 to 8 feet above the floor for optimum wireless range.
- Avoid mounting the translator in utility or electrical rooms where there is excessive metal and/or electrical lines that can interfere with transmitting and receiving RF signals.

Mounting the Translator



CAUTION

Before handling electronic circuit boards, discharge yourself of static electricity by touching a grounded, metal object, or wear a grounding strap during the installation.

1. Remove the translator cover and set it aside.

2. Place the translator on the wall at the desired location and mark the three mounting hole locations (see Figure 1).

Figure 1. Mounting Hole Locations

3. Install anchors where studs are not present.
4. Place the translator on the wall at the marked locations and secure it using the included screws.

Wiring the Translator

1. Run a 2-conductor, 22-gauge or larger stranded wire cable from the control panel or power supply to the translator.
2. At the translator, connect the red wire to the +12V terminal and the black wire to the GND terminal (see Figure 2).

Figure 2. Translator Power Wiring Connections

3. Make sure the power source (control panel or separate power supply) is powered down.
4. Connect the red and black wires to the +12 and GND (-) terminals of the power source.

Note

Do not power up the translator at this time. You must first set the House Code DIP switches before applying power.

Setting the Translator House Code

The 8-position DIP switch is used to set the House Code, and must be set to match the House Code programmed in all existing SX-V sensors and touchpads in the system.

The DIP switch uses binary numbering to determine the House Code number (see Figure 3).

Figure 3. Binary Values of Switches

For example, to set the translator House Code to 55 set switches 3, 4, 6, 7, and 8 ON ($32 + 16 + 4 + 2 + 1 = 55$).

Power Up

Power up the translator by powering up the power source (control panel or separate power supply).

Programming

Programming involves adding (learning) the translator into the panel (Learn Mode control panel) and then adding the SX-V sensors to the panel.

Adding the Translator to the Panel

The following describes the basic steps for adding (learning) the translator into the panel. For complete programming instructions, refer to the specific control panel installation instructions.

1. Set the control panel to program mode.
2. Select the desired sensor number and sensor group when prompted by the panel.

Note

The translator must be learned as a door/window sensor since it has a tamper switch and is supervised.

3. When prompted by the panel to trip the sensor, press and hold the translator tamper switch for 2 -3 seconds, then release it. The panel should respond by announcing or displaying an 'okay' message.
4. Exit from program mode.

Adding SX-V Sensors to the Panel

The following describes the basic steps for adding (learning) sensors into the panel. For complete programming instructions, refer to the specific control panel installation instructions.

1. Set the control panel to program mode.
2. Select the desired sensor number and sensor group when prompted by the panel.
3. When prompted by the panel to trip the sensor, press and release the sensor tamper switch, test button, or put the sensor in alarm (whichever is appropriate for the sensor). The panel should respond by announcing or displaying an 'okay' message.
4. Repeat steps 2 and 3 for all sensors/touchpads.
5. Exit from program mode.

Testing

Test the operation of all sensors and touchpads, according to the test procedures in the specific control panel installation instructions.

Specifications

Compatibility: All ITI 319.5 MHz Learn Mode Control Panels

Power Requirements: 12 VDC nominal, less than ? mA

Operating Temperature: 32°F (0°C) to 120°F (49°C)

Storage Temperature: -30°F (-34°C) to 140°F (60°C)

Maximum Humidity: 95% relative, noncondensing

Dimensions: 1.65 inches L (4.2 cm) x 1.25 inches W (3.2 cm)

Notices

FCC Part 15 Class B

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Interlogix, Inc. can void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the affected equipment and the panel receiver to separate outlets, on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

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