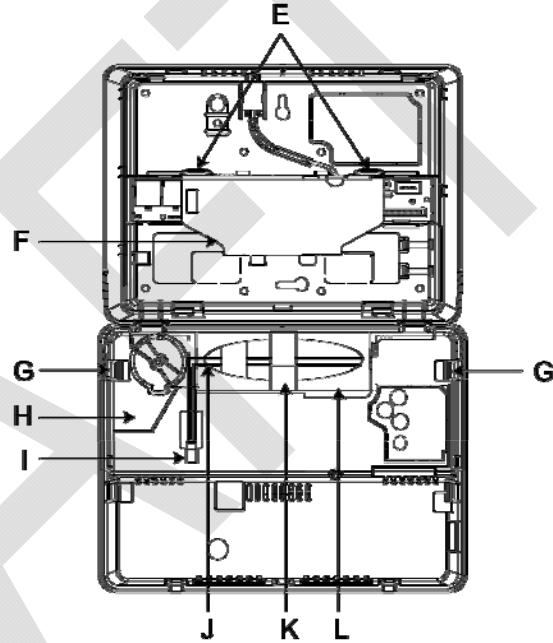


## EN CNF ES PR

### 3. Panel With Covers



The diagram illustrates the wiring for the PIR sensor module. It includes connections for an infrared receiver, security IP device, and a 12V AC power source. The diagram shows terminals for IN1 through IN5, GND, OUT1, OUT2, ALARM, RELAY, and Siren. A PIR sensor module is shown with its own wiring, including a 30kOhm resistor and a 10kOhm resistor. A note indicates that the expansion module must be installed in a separate PIR. The diagram is labeled 'G20-00000000'.

# English: Installation Sheet

## System Overview

The Advisor™One self-contained lifestyle management and security system detects situations and provides control and information to homeowners (P/N AVO-1037). The system can support up to 100 wireless sensors (a maximum of 40 of which may be a combination of Smoke and/or CO detectors), 250 user codes and 250 key fobs.

This guide is a reference for basic installations according to UL requirements. Installation should only be performed by trained technicians and the system should be serviced yearly or sooner as needed. Additional information is contained at [www.interlogix.com/Advisor](http://www.interlogix.com/Advisor). For customer support, see [www.interlogix.com/customer-support](http://www.interlogix.com/customer-support) or call + 1 855 286 8889.

## Installation

The AdvisorOne panel is intended for indoor use only.

### Getting Started

1. **Do not remove film cover from the touch screen until installation is complete.**
2. Lay the panel on a flat surface with the touch screen facing up.
3. Open the panel by pressing down on the tabs (A in Figure 1) and carefully swing the panel chassis open.

 **CAUTION:** Use static electricity precautions when handling electronic components.

### Mounting

1. Choose a panel location where power can be provided, alarm sounds can be heard and where the panel will be easily accessible for operation. Ensure the site is optimum for all intended wireless communication capabilities.  
**Note:** When choosing the AC outlet location for the external DC power supply, make sure the outlet is not controlled by a switch and that it is not part of a ground fault circuit interrupt (GFCI).
2. Remove the Terminal Cover (F in Figure 3) by pressing the tabs down (E in Figure 3) and rotating the cover upward. **Note:** Removing the Terminal Cover is required to gain access to the terminal strip.
3. Run all necessary power, phone, siren, data and hardwired contact wires to the desired panel location. Before drilling holes (in step 4) for mounting the panel, be aware of any electrical wiring at the location where drilling.
4. Hold the back plate against the wall and mark the two primary mounting hole locations (D in Figure 2) with a pencil.
5. Drill the two primary mounting holes. Insert the provided drywall anchors if no studs are present.
6. Secure the two mounting screws (provided) to the two primary mounting locations on the wall marked in step 3. Do not tighten the screws at this time. Leave enough clearance to mount the back plate.
7. Mount the panel to the wall. Be sure the panel chassis is supported when being opened. If not supported, the chassis could contact the wall, causing possible damage to the touch screen.
7. Level the panel and secure the two primary mounting screws.  
**Note:** In addition to the two primary mounting holes, there are four optional mounting holes (C in Figure 2) that can be used if needed.

### Wiring and Connections

**Note:** Use UL listed and/or recognized wire. Follow standard wiring practices.

The AdvisorOne panel has 16 screw terminals (see M, wiring diagram in Figure 4) and WAN, LAN and PSTN connectors. The WAN port is used to connect to IP Ethernet. The LAN port is for future use.

### Wiring Requirements

The total system wire length allowed can vary depending on devices powered by the panel, the wire length between devices and the panel, and the combined wire length of all devices. Table 1 includes the maximum wire length allowed between compatible devices and the panel.

**Table 1: Device Current Draw and Wiring Requirements**

Device	Device Current Draw	Wire Requirements
Hardwired Interior Siren (13-949)*	Standby 0 mA Alarm 85 mA	22 AWG: 750 ft. maximum 18 AWG: 1,500 ft. maximum
Piezo Dynamic Exterior Siren (13-950)*	Standby 0 mA Alarm 150 mA	22 AWG: 750 ft. maximum 18 AWG: 1,500 ft. maximum
12 VDC 2A Power Supply		22 AWG: 8 ft. maximum 18 AWG: 25 ft. maximum
Telephone (RJ-31X)		4-conductor 26 AWG or larger
Wired Input		22 AWG: stranded: 200 ft. maximum 18 AWG: stranded: 500 ft. maximum
Wired Output	50 mA	18 AWG: stranded

\*not UL Listed, for use as secondary annunciator, if required for SIA CP-01

## Wiring External Contacts

The AdvisorOne panel has five inputs labeled IN1 - IN5 (see M, wiring diagram in Figure 4) that are used for connecting devices to the panel. IN1 - IN3 are dedicated inputs. IN4/OUT1 and IN5/OUT2 can be configured as either inputs or outputs depending on system programming configuration. Advisor One does not supply power for sensors. Sensor Zones must be of the normally open or closed contact type or wireless.

To add a device:

1. Connect one wire from the contact to the desired input terminal.
2. Connect the other wire to one of the two ground terminals.
3. Install the provided end-of-line (EOL) resistor at the last device. For UL installations the required value is 2K ohm. **Note:** The value of the resistor used in the circuit must match the value selected in programming.

## Connecting the Relay

The AdvisorOne panel provides two terminals to support a Form A (normally open) dry relay.

To add a connection to the relay:

1. Connect one wire from the N/O contact terminal to the positive voltage side of the device.
2. Connect the other wire from the COM terminal to the other side of the device.

**Note:** Relay may be used for inductive (.9pF or greater) and resistive loads

## Wiring an Optional Siren

The panel has two inputs labeled + and GND for interior/exterior siren operation (status and alarm sounds). To add a siren:

1. Connect the positive wire from the siren to the Siren + terminal on the panel.
3. Connect the ground wire to the Siren GND (ground) terminal on the panel.

## Wiring an Optional Telephone Connection for Full-Line Seizure and RJ31X Jack

**Note:** Not all AdvisorOne panels have a PSTN module. Panels that contain a PSTN module can be identified by the PSTN cable (N in Figure 4). Skip this section if the PSTN module is not present.

1. Run a 4-conductor cable from the premises Telco block to the RJ31X jack.
2. Connect the 4-conductor cable to the RJ31X.
3. Disconnect the green (tip) and red (ring) premises phone jack wires from the premises Telco block.
4. Splice the green (tip) wire to the black wire of the 4 conductor cable using a weatherproof wire connector.
5. Splice the red (ring) wire to the white or yellow wire of the 4 conductor cable using a weatherproof wire connector.
6. Connect the 4-conductor cable green wire to the Telco block TIP (+) post.
7. Connect the 4-conductor cable red wire to the Telco block RING (-) post.

8. Connect one end of the PSTN cable to the RJ31X and the other end to the PSTN connector (see M, wiring diagram in Figure 4).

### Completing the Installation


1. Ensure power supply is not plugged in to the outlet.
2. Connect the spaded ends of the power supply wire to the terminals on the power supply.

**Note:** The dashed line/writing side of the wire indicates positive. Ensure consistency by wiring + to + and - to -. Unlike previous panels, this is a DC power supply and polarity must be observed or damage may occur.

3. Connect the other ends of the power supply wire to the 12V IN + and - terminals on the panel (Figure 4).
4. Secure the Terminal Cover (F in Figure 3) onto the panel. Make sure the tabs (E in Figure 3) are engaged.

**Note:** All three internal covers must be secured for proper operation.

5. Place the battery (L in Figure 3) in the battery compartment with the wires facing outward (J in Figure 3). Secure the battery in position with the battery strap (K in Figure 3).
6. Supply power to the panel as noted in Table 2.

-  **WARNING:**
- Use caution when installing or removing the power supply to an outlet with a metal cover.
  - Make sure the correct polarity is observed when connecting the wires from the panel to the power supply.


**Table 2: Powering the Panel**

Installation	Action	Note
US	1. On the new power supply, knock out the screw hole in the securement tab. 2. Plug the power supply into the outlet and secure with the supplied screw.	
Canada	Plug the power supply into the outlet. Do not use securement tab and screw	
All Other Installations	Follow regional requirements.	

**Note:** Connect the battery within 15 seconds of providing AC power to reduce the potential for a low battery indication.




8. Connect the battery (L in Figure 3) to the battery connector on the panel (I in Figure 3). Note that the cable connector locks into place.
9. Close the panel, making sure all tabs are engaged. Install the screw securing the panel chassis (B in Figure 1).
10. Remove the film cover from the touch screen.

### Checking Battery Status (after initialization)

1. Press the Settings icon  on the lower left of the main screen.
2. Press **CONFIGURATION** to enter programming.
3. Enter the installer or dealer access code. See table 5.
4. From the Configuration & Programming screen press **TEST**.
5. From the Test screen press **BATTERY**.
6. To start the battery test, press **START**. The results will be displayed after the battery test is complete.

### Initialization

When power is first applied (and if the panel has not previously been initialized), an initial screen appears. This screen is a part of the installation wizard startup sequence. The wizard runs only one time at installation (or unless the system has been reinstalled). The wizard startup sequence provides a series of prompts. Each prompt requires a response before moving to the next prompt. See Table 3 for a description of the initial power up screen prompts.

Upon initial installation, the system will check the backup battery. If the battery is low, it may take up to 48 hours to become fully charged. During this time, a system-status-attention icon  will be shown on the main screen and trouble beeps will occur until the battery is sufficiently charged. Press the **System Status Attention** icon  to verify the Low Battery icon  is present on the system status screen. After the battery is charged, should the panel lose AC Power and experience a low battery condition, the low battery icon will appear and trouble beeps will sound unless silenced.

**Table 3: Initial Power Up Screens**

Option	Description	Notes
Select Language	Select the language the system will display and speak.	
Select Defaults	Select the following panel defaults: <ul style="list-style-type: none"> <li>• Single Partition</li> <li>• Multiple Partitions</li> <li>• Region specific Single Partition (select models only)</li> <li>• Region specific Multiple Partition (select models only)</li> </ul>	Only a single partition system is recognized by UL.  US region is required for UL/CPO1.
Set Downloader Account	This field is used for the Enterprise Downloader Account. Reporting account numbers must be set in reporting configuration.	Enterprise Downloader has not been investigated for use by UL
Set Local Time	Set the local time	

## Main Screen






Upon successful completion of initialization, the main screen will be displayed. See Figure 5.

**Figure 5: AdvisorOne Main Screen**



The icons located on the Bottom Bar are very important in completing the installation process. These icons are described in Table 4.

**Table 4: Main Screen Bottom Bar Icons**

Icon	Description
	<b>System Status</b> - Press this icon to access the System Status, Sensor Status and Events status screens.
	<b>System Status Attention</b> - This indicates that a recent system status change has occurred or attention is required. Press the icon to view the status.
	<b>Settings and Configuration</b> - Press this icon to access the General settings, Display, Sound, Date & Time, Applications and Configuration screens.
	<b>Applications</b> – Press this icon to gain quick access to the applications in the system. <b>Applications not evaluated by UL</b>
	<b>Disarmed</b> - Pressing this icon will begin the sequence of ARMING the system. <b>Note:</b> When disarmed, only 24-hour sensors (smoke, carbon monoxide detectors, etc.) remain active.

## System Programming and Configuration

The AdvisorOne panel provides the main processing unit for all system functions. The programming of system options and features is menu-driven. Access is managed by codes. Interlogix recommends the following standard programming sequence: learn sensors, add users, configure communications, configure system options and configure applications. Table 5 below describes the programming and access code options.


### Notes:

- Access and System Programming & Configuration options depend on what code is entered.
- When prompted for an access code, the panel will automatically exit the Access Code screen after one minute of inactivity if no access code has been entered.
- After an access code has been entered to access the Configuration & Programming system options, the panel will automatically return to the main screen after a period of inactivity. This period of inactivity is programmable and the default setting is ten minutes.
- **Auxiliary alarms not evaluated for, and not to be used for, UL1637 (medical) applications.**

**Table 5: Access Codes** The system supports 250 access codes.

Function	Default	Description
Dealer Code	4322	The default privilege level is the same as the installer code (see below). Use this code only if required when Dealer Lock has been enabled and access to the dealer protected programming options is required.
Installer Code	4321	Use this code to configure all programming features of the panel, except for those that are dealer protected when Dealer Lock has been enabled. These options can be accessed from the Configuration & Programming menu: Devices, Users, Communications, System Options, Testing, Administration, etc.
Master Code	1234	Use the master code to arm/disarm the system and to enter user programming and bypass sensors.
User Codes	Blank	Use the user code to arm/disarm the system.
Duress Code	Blank	Use the duress code to arm/disarm the system. Use of the duress code will cause a silent alarm.

### Entering the Settings and Configuration Screen

1. Press the Settings icon  on the lower left of the main screen.
2. Press **CONFIGURATION** to enter programming.
3. Enter the installer code or dealer code.

### Configuring a Hardwired or Wireless Sensor

When configuring a hardwired or wireless sensor, refer to the specific sensors installation instructions for complete operation and testing details.

1. From the Configuration & Programming screen, press **DEVICES**.
2. From the Devices screen, press **EDIT** next to Sensors.
3. From the Sensors screen, press **TX ID** or **LEARN RF** for wireless sensors. Press **Add HW** for hardwired sensors.
4. Trip the wireless sensor (see Table 6) or enter in the TX ID number that is located on the sensor.
5. Press **EDIT**.
6. Type in the name for the sensor.
7. Change the sensor group if needed.
8. Press **SAVE** to save the settings.
9. Press **CLOSE** to exit.



**Table 6: Sensors Programming and Recommended Sensor Groups**

Sensor		To Program	Recommended sensor group
Indoor Motion Sensor	60-639-95R	Remove the sensor cover. If necessary, trip the tamper.	17
Outdoor Motion Sensor	60-639-95R-OD		25 (chime only group) <sup>b</sup>
Entry/Exit Door (1)	60-362-N-10(11)-319.5		10
Interior Door	60-670-95R		14
Window Sensor	TX-1012-01-1		13
Smoke Detect Sensor	TX-6010-01-1	Separate the detector from the mounting base by turning the unit counter clockwise about 15 degrees.	26 <sup>c</sup>
CO Detector	TX-6310-01-1	Trip the wall tamper by removing the sensor body from the mounting plate.	34 <sup>a</sup>
Key Fob (non-encrypted)	600-1054-95R	Press the lock and unlock buttons at the same time.	01d

- Listed by ETL. **Has not been evaluated to SIA Standards by UL.**
- Do not use outdoor motion sensors for intrusion protection.
- Required for UL-listed residential fire alarm applications.
- Not investigated for use by UL

**Note:** The sensor group and most At-A-Glance associations are only recommendations. The installer should choose the correct combination for the application. Some At-A-Glance associations are automatically assigned by the system and cannot be altered.

### Configuring a User

- From the Configuration & Programming screen, press **USERS**.
- From the Users screen, press **USERS**.
- From the list of current users, press **ADD**.
- From the User configuration screen, configure the user options. See Table 7 for the necessary options.
- Press **SAVE** to save the options.

**Table 7: User Options**

Option	Description
User Name	The name assigned to the user.
User PIN Number	The access code assigned to the user.
User Language	Press the icon next to User language to select the language.
Authority	Press <b>SELECT</b> to assign authority levels to users.

## Off-premise Communication

The AdvisorOne system can be programmed to a central monitoring station in the following ways:

- PSTN **and/or**
- Ethernet

### Accessing Central Monitoring Station Programming Options

- From the Configuration & Programming screen, press **COMMUNICATION**.
- From the Communication screen, press **REPORTING**.
- Press **EDIT** to select the central station to program and follow the programming options.

Access to automatic communication test (required for UL installations) is located in the advanced programming tab (Communication, reporting, destination, edit). The automatic phone test duration should be set to 7 days for all communication methods used.


Note: For proper supervision (required for UL listed installations), ensure "line cut" option is set to on.


Network addressing of devices shall not make use of public domain name servers

## Completing the Configuration and Programming

1. Exit the Configuration and Programming to return to the main screen.
2. Verify there are no trouble conditions. If there are no trouble conditions then move onto the System Tests section.

**Note:** If there are trouble conditions, trouble beeps will continually sound. Trouble beeps can be disabled or suppressed.

**Disabling Trouble Beeps:** To permanently disable the trouble beeps, press the Settings icon  then enter the installer or dealer access code. After entering the access code press **CONFIGURATION/SYSTEM OPTIONS/PARTITIONS** and press **EDIT**. Select **DISABLE** across from Trouble Beeps then press **SAVE**.

**Suppressing Trouble Beeps.** To temporarily suppress trouble beeps; simply press the system status icon  from the main screen. Entering the system status screen will suppress trouble beeps for the factory default of 4 hours.

## System Tests

Notify the central station when executing any test procedure. Upon testing completion, notify the central station that testing is complete. Otherwise, authorities could be dispatched to the site and fines levied.

### Sensor Testing

Test the sensors and key fobs after all programming is completed and whenever a sensor-related problem occurs.

#### Notes:

- While the sensor test is a valuable installation and service tool, it only tests sensor operation for the current conditions. Conduct a sensor test after any change in environment, equipment or programming.
- Sensors should be tested one at a time to make sure they are sending strong signals to the panel.
- After the sensor is tripped, the panel will beep. Each beep represents one RF packet. Count the number of beeps and refer to Table 8 (see Minimum Packets Required).

To perform a sensor or key fob test:

1. Depending on the situation, it may be necessary to contact the central monitoring station before starting this procedure.
2. Place all sensors in their secured (non alarm) state.
3. From the Configuration & Programming screen, press **TEST**.
4. From the Test screen, press **SENSORS** or **KEYFOBS**.
5. Trip the sensor (see Table 8). The signal level for the last packet received is recorded under the sensor on the Sensors screen.
6. Press **CLOSE** to exit. If **CLOSE** is not pressed, the panel will beep after ten minutes of inactivity and the screen will automatically close five minutes after the initial beep, for a total of 15 minutes of inactivity. Note that this test screen inactivity is different than the programmed inactivity discussed on page 6 in the "System Programming and Configuration" section.
7. If the central monitoring station was notified, inform them this operation is complete.

Table 8: Tripping Sensors or Key Fobs for Sensor Test

Sensor	Instructions	Minimum Packets Required
Hardwire Contact	Open the hardwire contact.	1
Door/Window	Open the secured door or window.	6 of 8
Carbon Monoxide Alarm	Press and hold the Test/Hush button (approximately 5 seconds) until the unit beeps two times, and then release the button.	6 of 8
Motion Sensor	Avoid the motion sensor field of view for 5 minutes, and then enter its view.	6 of 8
Smoke	Press and hold the test button until the system sounds transmission beeps.	6 of 8
Key Fob	Press and hold the Lock and Unlock buttons simultaneously for 3 seconds.	6 of 8



## Communication Testing

For communication testing, the panel may be configured for multiple destinations. Each destination should be tested.

**Note:** Complete panel programming before performing communication testing.

1. Depending on the situation, it may be necessary to contact the central monitoring station before starting this procedure.
2. From the Configuration & Programming screen, press **TEST**.
3. From the Test screen, press **PANEL COMMUNICATION**.
4. From the Panel Communication screen, press **REPORTING**.
5. From the Destination screen, press **CALL** next to the destination you want to test communication.
6. From the Test Call screen, press **START** to initiate a test call to the destination. If the test is successful, Report Delivered will display next to Status.
7. If the central monitoring station was notified, inform them this operation is complete.

## Verify Alarm Reporting

After performing sensor tests, check that the system is reporting alarms correctly to the central station.

1. Depending on the situation, it may be necessary to contact the central monitoring station before starting this procedure.
2. Arm the system.
3. Test an emergency panic icon and trip at least one sensor of each type (fire, intrusion, etc.) to verify that the appropriate alarms are working correctly. There could be a delay depending upon system configuration. **Note:** This must be done before disarming the system.
4. When you finish testing the system, disarm the system.
5. Call the central station to verify that the alarms were received.

**Note:** If optional system components are utilized, they should be validated as properly functioning and operational.


## Enabling the System for Use

After installation, programming and configuration, and testing, do the following to complete the installation:

- Adjust system parameters (chime, background, screen saver, etc.).
- Configure and enable desired applications for end user use.
- Change the panel name (Advisor1) to the desired panel name, such as Smith Household.

## Changing the Panel Name

The panel comes factory installed with the panel name of AdvisorOne. The installer should change the panel name to personalize the panel for the end user.

1. Press the Settings icon  on the lower left of the main screen.
2. Press **CONFIGURATION** to enter programming.
3. Enter the installer code or dealer code.
4. Press **SYSTEM OPTIONS** from the Configuration & Programming screen.
5. Press **PANEL** from the System Options screen.
6. On the Panel Options screen, across from Name, press "AdvisorOne" to bring up the keyboard. Enter the new panel name, such as Smith Household, Smith Residence, Smith Security System).

**Note:** If no name is desired, change the panel name from AdvisorOne to "(space bar)". The panel will not speak the panel name.

## Disposal

Dispose of all equipment in accordance with local requirements.

## Specifications

Dimensions	8.7" x 6.4" x 1.7" (220 mm x 162 mm x 43 mm)
Power	12 VDC, 2 amp power supply (P/N AV-PS12V)
Backup Battery	Rechargeable battery: 7.2 VDC, 2800 mAh NIMH (P/N AVO-BAT28A)  When fully charged, the battery will operate the panel without AC power for 24 hours with the panel in a normal, standby condition followed by 5 minutes in full alarm condition.
Hardwired Terminals	IN4 and IN5: Vin maximum 12 V. Vin low 0 V. Input impedance: 5 K OUT1 and OUT2: 12 VDC maximum (not a power source, can sink up to 50 mA each). Relay: 30 VDC/2.0 A (maximum) Siren : unregulated 5 – 12 VDC/250 mA (maximum) Aux power: unregulated 5 - 12 VDC/150 mA (maximum) Siren and aux power outputs: combined 400 mA (maximum)
Sensor Radio Frequency	319.5 MHz
WAN/LAN	10/100 Mbps
Storage Temperature	-29 to 140°F (-34 to 60°C) without battery 14 to 86°F (-10 to 30°C) with battery one year shelf life
Operating Temperature	32 to 122°F (0 to 49°C)
Maximum Humidity	85% relative humidity, noncondensing

## Regulatory Information

Some installations may require configurations dictated by city/state codes, insurance, or Underwriter's Laboratories (UL). This section describes the various component and configuration listings.

### Basic System

[Control Panel: Advisor One Model# AVO-1037](#)

#### Basic System Devices

Device	Description
Backup Battery 7.2 VDC 2.8 Ah for Control Panel.	Manufacturer TMK part # 7.2VA2800mAh (UTC part # AVO-BAT28A)
Standard Class 2, 12 VDC, 2A Power Supply	(UTC part # AV-PS12V)

Note: Expansion AV-XU is not available for this Early Edition.

Devices that are not UL Listed are not for UL applications. Among these may include unlisted water detection devices, environmental sensors, key fobs, asset management devices, garage door openers, electric gate, motors etc.

### UL 1023 – Household Burglary Alarm System Unit

**Note:** All interconnecting devices must be investigated for use by UL.

This is the basic system plus the following devices and features:

#### Household Burglary Alarm System Unit Devices

Device	Model Number
Hardwired Contact	1038T
Wireless Learn Mode Door/Window Sensor	60-670-95R or 60-362N-10-319.5 or 60-362N-11-319.5 or TX1012-01-1

## Household Burglary Alarm System Unit Features

Features		
• Beep volume	• Control panel alarms turned on	• Trouble beeps set to on
• Entry Delay set to 45 Seconds or less	• Exit time restart – disabled set to off	• Hardwired siren supervision set to on
• Exit Delay set to 60 Seconds or less	• Exterior siren time/interior siren time set to 4 minutes or more	• Long Supervision RF time out set to 12 hours

## UL 985 - Household Fire Warning System

This is the basic system plus the following devices and features:

### Household Fire Warning System Unit Devices

Device
Wireless Smoke Sensor TX-6010-01-1 learned into sensor group 26
Interior Antenna

### Household Fire Warning Systems Unit Features

Features	
• Beep Volume set to on	• Trouble Beeps set to on
Control Panel Alarms set to on	• Long Supervision set to 4 hours for group 26 sensors
• Siren timeout set to 5 minutes or more	• RF Jam Detect set to on

This system must be installed within the protected premise in accordance with the National Electrical Code (NFPA70), and the local authorities having jurisdiction.

## UL 1610 Central-Station Burglar-Alarm Units –

This is the UL 1023 System plus:

The communication medium between protected property and communications service provider shall be for the exclusive use of the protected property

Power for network equipment as hubs, switchers, routers, servers, modems, etc., shall be backed up or powered by an un-interruptable power supply (UPS), stand-by battery or the control unit, capable of facilitating 24 h standby

## UL 1635 Digital Alarm Communicator System

The following settings are required only if the system is set up for central station reporting:

**SIA communication time during a fault is extended and only CID format should be used in a UL Listed Installation.**


- Central station 1 set to "CID"
- Automatic test period set to 001 day period
- Long supervision timeout set to 4 hours
- AC power failure report set to on
- CPU low battery report set to on
- Fail to communicate set to on
- Entry delay plus the abort delay not to exceed 60 seconds

### SIA System Requirements

Verified to ANSI/SIA CP-01-2010 by UL, basic system, plus if multiple annunciations are required, use hardwired annunciator **13-046**. To add the secondary annunciator/siren:

1. Connect the positive wire from the siren to either the OUT1 terminal or OUT 2 terminal on the panel.
2. Connect the ground wire from the siren to a ground terminal on the panel.

To program the warning siren:

1. Press the Settings icon  on the lower left of the main screen.
2. Press **CONFIGURATION** to enter programming.
3. Enter the installer or dealer access code.
4. From the Configuration & Programming screen press **DEVICES**.

5. From the Devices screen select Outputs and press **EDIT**.
6. Press + **ADD**.
7. Change Output Type to **Warning Siren**.
8. Change Output Location to either **OUT1** or **OUT 2**, depending upon how the warning siren is connected.
9. Press **SAVE** then press **SAVE** again.
10. Press **CLOSE** twice to return to the Configuration & Programming screen.

**Note:** For UL 1635 installations, entry delay plus dialer abort delay must not exceed 60 seconds.

Table 9 describes programming requirements to meet ANSI/SIA CP-01-2010.

**Table 9: ANSI/SIA CP-01-2010 Setting Requirements and Nonprogrammable System Operation**

Function	Default setting	Required setting
Entry Delay	30 seconds	minimum of 30 seconds
Exit Delay	60 seconds	60 seconds
Auto Stay Arm	Enabled	Enabled
Abort Delay	30 seconds	1 to 45 seconds (an aborted alarm will result in audible and visual annunciation)
Call Waiting	Off	On if reporting to central station and customer has call waiting service (PSTN only)
System Test	Enabled	Enabled
Communication Test	Enabled	Enabled
Exit Time Restart	Enabled	Enabled
Swinger Shutdown	On (two trips)	On (two trips)
Fire Verification	Off	On (2 different sensors going into alarm within 210 seconds or 1 sensor going into alarm with 1 minute repeat will cause a CS report.)
Duress/Panic Code	Disabled	Disabled
Cancel Report Annunciation	Enabled	Enabled
Abort Annunciation	Enabled	Enabled
Silent Exit	Non-Programmable	All annunciators enabled
Remote Arming Exit Time/ Progress Annunciation	Enabled	All annunciators enabled Remote Arming not investigated by UL
Cancel Report Annunciation	Enabled	Enabled
Recent Closing	Non-Programmable	Enabled (2-minute window)
Cross Zoning	Disabled	Enabled and 2 or more zones programmed. Each zone has the ability of individually protecting a cross-zoned area (over-lapping area of two protective zones).
Cross Check Timer	Disabled	Enabled (set to 2 minutes)
Exit Error	Non-Programmable	Enabled
Restoration of Power	Non-Programmable	Panel resumes operation in same arming state and disregards alarm signals from sensors for the first 60 seconds after power restoration
Swinger Trips	Two	Enabled (all zones)
Fire Verification	Disabled	Enabled unless sensors can self-verify
Call waiting cancel	Disabled	Enabled if user has call waiting
Alarm Cancel Window	Non-Programmable	Enabled (factory set to 5 minutes)
Cancel Alarm	Enter Code Only	Enter code only

## Central Station Reporting

**Note:** If call waiting is used on a non-call waiting line, successful connection to the central station may be prevented. Do not use the call waiting cancel feature inappropriately

The panel has been tested with the central station receivers listed below, using SIA and Contact ID reporting formats.

Before beginning installation, installers must verify that the central station is equipped with at least one of the following receivers:

For PSTN reporting:

- Osborne Hoffman OH-2000E central station receiver
- Radionics D6600 central station receiver
- Sur-Gard central station receiver with models SG-DRL2A and SG-CPM2
- CS5000 digital alarm communicator receiver

For Ethernet reporting:

- OH NetRec

Note: A router or IP switch that meets the requirements of the Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1 must be used.

### UL Canada listed installations

This section describes the requirements for cUL (UL Canada) listed installations. All cUL listed installations must follow the Canadian Electrical Code.

Canadian standards CSA certified accessories:

- Standard Class 2, 12 VDC, 2A power supply (UTC Fire & Security P/N AV-PS12V)

Residential burglary alarm system unit (ORD-C1023-1974): basic system as described for UL 1023 listed installations plus:

- Hardwired magnetic contact (1038T) or wireless learn mode door/window sensor 60-670-95R or 60-362N-10-319.5
- Siren timeout set to 5 minutes or more

Residential fire warning system control unit (ULC-S545-M89): basic system as described for UL 985 listed installations plus:

- Wireless smoke sensor TX-6010-01-1 learned into sensor group 26
- Siren timeout set to 5 minutes or more

### Industry Canada Compliance

IC ID: 1175C-AVO1037

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

### FCC Compliance

Part 68. This equipment complies with Part 68 of the FCC rules and the requirements adopted by ACTA.

FCC registration number: US: B4ZAL04B55972

Ranger Equivalence 0.2B

Load Number 0.2

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 harmful 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 equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by UTC Fire and Security Americas Corporation, Inc. could void the user's authority to operate the equipment.

**Manufacturer** UTC Fire & Security Americas Corporation, Inc.  
1275 Red Fox Rd., Arden Hills, MN 55112-6943, USA

## Contact Information

For general information, see [www.interlogix.com](http://www.interlogix.com). For customer/technical support, see [www.interlogix.com/customer-support](http://www.interlogix.com/customer-support) or call +1 855 286 8889.

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Installation in accordance with this manual, applicable codes, and the instructions of the authority having jurisdiction is mandatory.

While every precaution has been taken during the preparation of this manual to ensure the accuracy of its contents, Interlogix assumes no responsibility for errors or omissions.

## Canadian French: Installation Sheet

Translation of the manual into Canadian French.

## Spanish: Installation Sheet

Translation of the manual into Spanish.

## Portuguese: Installation Sheet

Translation of the manual into Portuguese.