FIRST ALERT

VISTA
Security System

VISTAH3/VISTAH3CN Commercial Burglary Alarm Control Unit Quick Installation Guide

The VISTAH3/VISTAH3CN Commercial Burglary Alarm Control Unit is intended for use to protect property and lives. This Quick Installation Guide provides the basic steps to install the Burglar and Fire Alarm Control Panel easily using the built-in programming defaults. The control is designed to be wall mounted in an out-of-site location (i.e., closet, utility room, basement, etc.), with the keypads remotely located. Download the Full Install Guide (R800-28381) and User Guide (R800-28380) from mywebtech.honeywellhome.com.

IMPORTANT:
Local programming is only achieved with the VISTAHTCHWLC touch screen Keypad. Please see the "Configure" step below for important enrollment information.

Create	Connect	Configure	Confirm	Commission
Create a Customer Account through AN360.	Install the Control Panel and Power-up. Connect the panel to a Communication Source. Allow the System to register with AN360.	Program the System (Enroll Zones, iBus Devices, Keypads, Keyfobs, Z-Wave, Users & Settings)	Test the System and confirm that all sensors and devices are operational and report to the Central Station.	Commission the system and train the Customer on the proper use of the ProSeries System.

STEP 1 – Create an Account

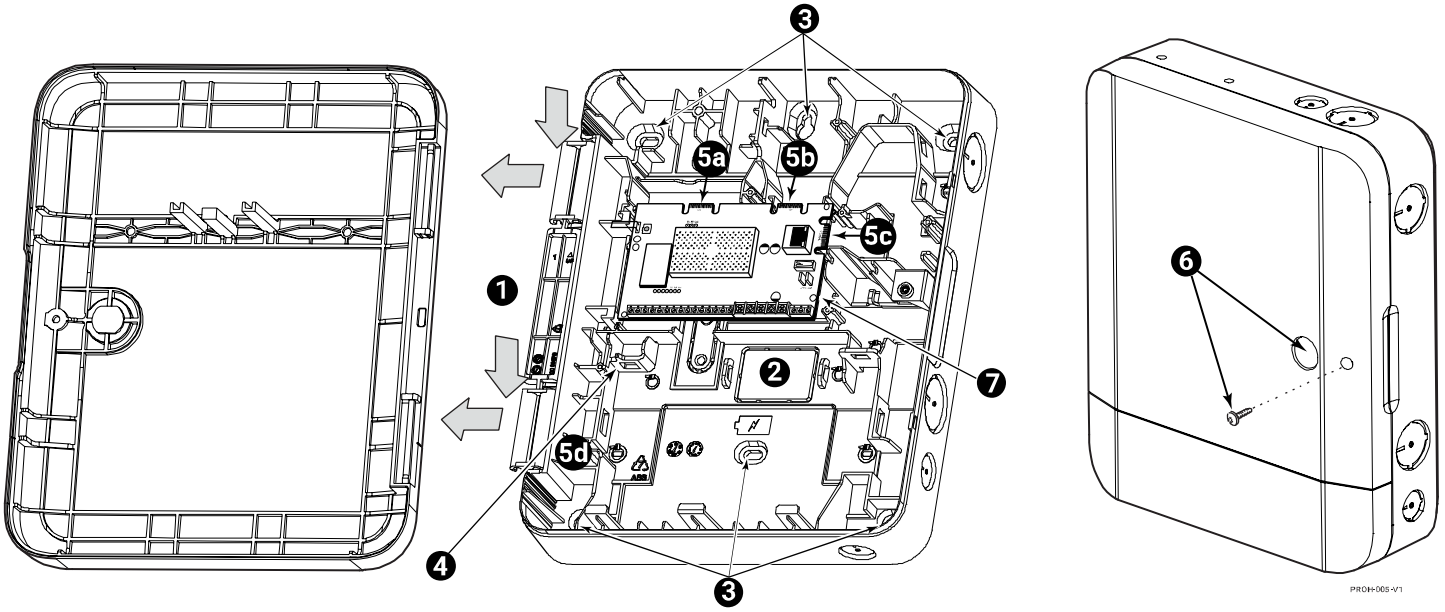
Registration, Programming, and Testing are conducted locally with the VISTAHTCHWLC keypad or through AlarmNet 360™ (AN360). On a laptop, PC, or Smart Device, go to www.alarmnet360.com or the AlarmNet360 App. Using these tools, create a customer account.

STEP 2 - Connect (Mount the Control Panel and Install Peripherals)

Cabinet Mounting

1. Open the cabinet door fully and, if required, remove it by pulling to the down, towards the back of the cabinet.
2. Use the rear wiring entry or remove the cabinet knockouts needed for the wiring entry.
3. Mount the control cabinet to a sturdy wall in a clean, dry area, which is not readily accessible to the general public, using fasteners and/or anchors (supplied) with the six cabinet mounting holes.
4. Install Wall Tamper screw.
5. Install the PROLTE Series Communicators [a], PROWIFIZW/PROWIFI [b], VISTAHTKVRWL Wireless Converter [c] and/or VISTAHISO [d].

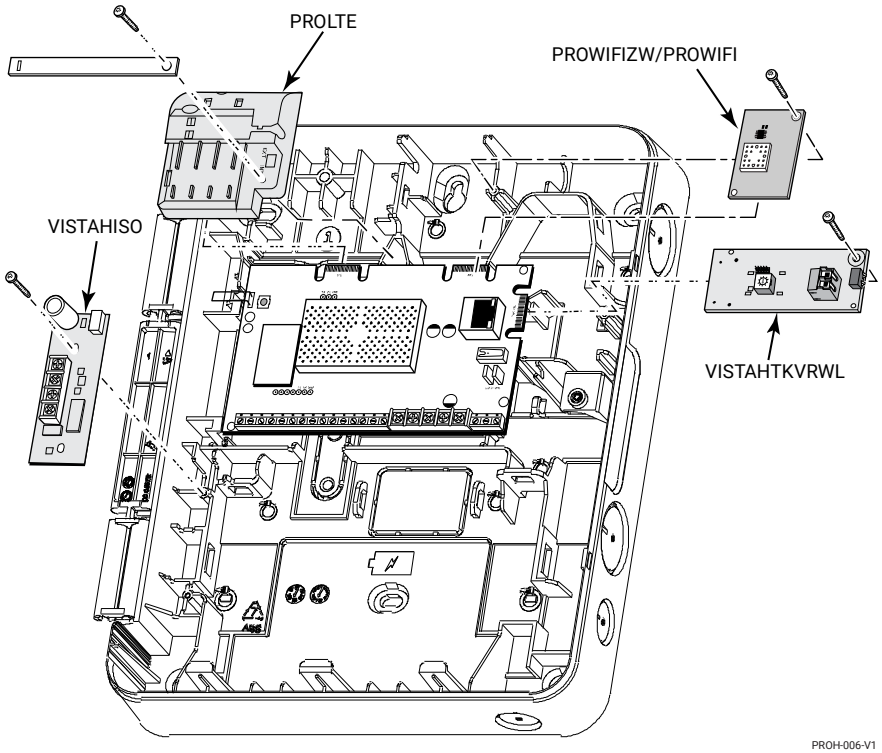
   Optional PROWIFIZW/PROWIFI, PROLTE Series, VISTAHTKVRWL, and VISTAHISO Communications Module Note:
   Refer to the Specific Module Installation section in the online Installation & Setup Guide (R800-28381) for detailed mounting instructions.
6. When installation, wiring, and programming are completed, install the cabinet door, and secure it with the provided screw and/or option keylock.
7. Cover Tamper (Needed for VISTAHTCHWLC enrollment).



Installing Internal Peripherals (PROLTE, PROWIFIZW/PROWIFI, and PROTAKEOVERH Modules)

NOTE:
Refer to the full Installation and Setup Guide for the Control Panel (R800-28381) for the following two scenarios:

1. PROLTE series communicators: if an external antenna is required. (May need to refer to the antennas Installation and Setup Guide.)
2. VISTAHTKVRWL: for proper antenna routing.



Installing the Peripherals

IMPORTANT:
Damage to product can occur if incorrectly wired. Refer to the Summary of Connections on page 7 for wiring information.

1. **Connect the external peripherals (keypads and other devices) to the iBus circuit.** (Consult the full installation guide for full iBus detailed specifications.)

Wire Gauge (AWG)	Total Current of All Devices Connected to a Single Wire Run				
	50mA or less	100mA	300mA	500mA	600mA
#22	700ft (213m)	350ft (107m)	120ft (37m)	70ft (21m)	60ft (19m)
#20	1200ft (366m)	600ft (183m)	200ft (61m)	120ft (37m)	100ft (30m)
#18	1900ft (579m)	950ft (290m)	320ft (98m)	190ft (58m)	160ft (49m)
#16	3000ft (914m)	1500ft (457m)	500ft (152m)	300ft (91m)	260ft (76m)

The length of all wire runs for all partitions combined must not exceed 3000 feet (914m) when unshielded quad conductor cable is used or 1500 feet (457m) if shielded cable is used.

Keypad (VISTAHPKP), Relay Modules (VISTAHRELAY), Zone Expansion Module (VISTAHEXPHW), and iBus Isolator (VISTAHISO).

- Connect iBus device(s) field wiring to the GND, AUX, A, and B.
- Use VISTAHISO to isolate the burglar alarm from the fire alarm.

Internal Modules and Communication Methods (refer to the documentation provided with the module.)

- Slot 1: PROLTE Series (LTE)
- Slot 2: PROWIFIZW (Wi-Fi/Z-Wave)/PROWIFI (Wi-Fi Only)
- Slot 3: VISTAHTKVRWL
- VISTAHISO
- Built-in 10/100 Female Ethernet Connection

2. **Connect hardwire zones to the appropriate zone terminals.**
   - Zone 1 Supports up to 16 two-wire smoke detectors.
   - Each Zone Expander (VISTAHEXPHW) provides an additional eight (8) zones (9-16, 17-24, etc.)
3. **Connect the external sounder to the GND and BELL terminals.**
   - If not using bell supervision, connect the supplied 820-ohm resistor across the BELL and GND terminals 16 (+) and 17 (-).
   - If supervised output is desired, see the Sounder Supervision wiring diagram on the Summary of Connections and program accordingly.
     NOTES:
     1. Use the supplied 820-ohm resistor at the last Siren/Bell.
     2. A siren drive requires the resistor to pull down the supervision voltage; this prevents false activations.
4. **Install Zone Transmitters (wired and wireless).**

Connect the Power Supply and Battery

Power Supply (P/N R300-12131 or R300-12131-CAN for Canada)

IMPORTANT:

- Do not plug the power supply into the AC outlet until all wiring connections to the control are complete.
- As a safety precaution, always power down the control when making such connections.
- The control panel features reverse polarity protection if wired incorrectly and will not power up until the polarity is correct.

Distance Limitations

1. Using best practices, connect the positive (+) and negative (-) wires from the transformer to the DC + and – terminals (21 and 22) on the right-hand side of the control panel.
2. Observing Polarity, make the same connections on the transformer and install it in an unswitched, non-GFI outlet.
3. Secure with the provided screw.

Maximum Cable Length Between Control Panel and Transformer	Wire Gauge (AWG)
Up to 25ft (7.6m)	# 22
30 - 40ft (9.1 – 12.1m)	#20
50 - 60ft (15.2 – 18.2m)	#18
75 - 100ft (22.8 – 30.4m)	#16

Connect the Power Supply and Battery (Continued)

Battery Connections

After all connections to the control are complete and **power has been applied**, connect the red and black flying leads on the control board to the battery.

IMPORTANT
This control will not power up on the battery when completely powered off. However, once the system is powered up, it will operate on battery if power is lost.

NOTE: For Residential fire installations, refer to the chart below for the correct battery size required to meet the mandatory standby time.

CALIFORNIA STATE FIRE MARSHALL (CSFM) 24-HOUR BATTERY BACKUP REQUIREMENTS

The California State Fire Marshal has regulations that require that all residential fire alarm control panels must be provided with a backup battery that has sufficient capacity to operate the panel and its attached peripheral devices for 24 hours in the intended standby condition, followed by at least 4 minutes in the intended fire alarm signaling condition. This control panel can meet these requirements without a supplementary power supply, provided that the panel's auxiliary power and bell output currents are limited as listed.

Output Limitations and Required Batteries

NOTE: See the Full Installation Guide Online (R800-28381) for a complete battery calculations worksheet.

Output Current Limits		Battery Information	
Current Total	**Max. Aux. Current**	**Battery Capacity (Amp/Hrs)**	**Recommended Battery (Yuasa No.) ***
1A maximum total of auxiliary power plus bell output currents	950mA (120mA for Agency Listed Installations)	MAX. 35AH	NP4-12 (4AH), NP7-12 (7AH), NP12-12 (12H), NP18-12 (18AH), NP35-12 (35AH)

* VISTAH3/VISTAH3CN only supports a 4 or 7AH battery in the bottom of the cabinet; an additional non-Hybrid cabinet is required for larger capacity batteries.

STEP 3 – Configure (Setting up the Communication Links)

NOTE: When the panel is not registered to AN360 during first 15 minutes of bootup the panel will auto enroll all iBus keypads connected to control panel.

Connection through Bluetooth Using the AN360 App

1. Confirm Wi-Fi card is installed.
2. Apply power to the control panel.
3. From the Home Screen on your smart device, press the "Hamburger" icon located on the top left side.
4. Press "Connect a device to the internet".
5. In the Select Device menu, press on "Hybrid Panel" and then "Next".
6. Follow the on-screen instructions to active Bluetooth on your security panel. (Press the tamper or open the cover to active Bluetooth pairing for 30 minutes.) **NOTE:** Run LED will repeatedly flash 200ms On/Off/On, then Off for one second when Bluetooth pairing is initiated.
7. Press "Get Started" and the app will begin searching for all security panels. The app will populate a list of available security panels that the installer can pair to. Select the correct MAC and press "Pair".
8. The app will ask the installer to enter the CRC of this panel. After typing the panel CRC, press "Pair Device".
9. This process may take a few moments but once connected to your panel, the app will display a list of available Wi-Fi networks. Select your desired network and press "Next".
10. Enter the password for the selected Wi-Fi network and press "Next".
11. The app will attempt to connect your panel to the chosen network. This process may take a few moments.

Local Alarm Mode Note: Removing, or not connecting, the ethernet connection activates the Wi-Fi interface. Allowing Wi-Fi network access.

Connection through VISTAHTCHWLC

For Wi-Fi communications, confirm access to the Network Name (SSID) and Password. If the ethernet is connected, verify connectivity to the router or switch is present.

NOTES:

- Do not connect the control or router to a receptacle controlled by a switch. Allow up to 2 minutes for power-up.
- The router must be powered on and connected for Wi-Fi operation (alarm reporting).

1. Apply power to the control panel and allow one minute for the panel to boot up.
2. Learn in the VISTAHTCHWLC keypad to perform local programming (**NOTE:** PROWIFI/PROWIFIZW is required). This is done locally through the same router the control is connected or using the steps below. (**NOTE:** If, during setup, the touchscreen does not display "WPS Wi-Fi Pairing" as a connection option, the touchscreen's firmware must be updated. To do so you must connect the control and touchscreen to the same router (network) with internet access.)
   a) Power up the VISTAHTCHWLC keypad.
   b) On the main control panel, press and hold the control panel tamper for two (2) seconds and release for two (2) seconds. Perform this operation three (3) times (must be completed within 30 seconds after first tamper press). This forces the control panel into the local access point Touchscreen Enrollment Mode for 12 minutes and multiple touchscreen may be enrolled during this time.
   c) On the VISTAHTCHWLC select "WPS Wi-Fi Pairing".
   NOTE: Do not enter the customer's Wi-Fi information at this time.
   d) Press "Connect"
   e) Once the VISTAHTCHWLC keypad acquires the control's IP Address, it prompts you to enter the installer code (default is 4112).
   f) Press "OK." **NOTE:** A home screen appears once it confirms connection to the control panel.
3. Enter programming by pressing Menu → Tools → Enter installer code (4112) → Programming on the VISTAHTCHWLC keypad (or else use AN360).
4. Enable the desired communication method (Communicator → Communication Path (Internal Device)).
5. Enable iBus devices (Peripherals → "+" → wait to learn. For more devices, press "Save & Add Another" until all modules are enrolled.
6. Connect with AN360 and complete the programming

NOTES:

- AN360 can be used to initiate Keypad Enrollment Mode for the iBus and PROSIXLCDKP keypads (Touchscreens cannot be enrolled via AN360).

- If there is a functional keypad, the following commands will work: Installer Code + 0 + 61 (Enabled Keypad Touchscreen Enrollment Mode), Installer Code + 0 + 62 (Disables Keypad Touchscreen Enrollment Mode), Installer Code + 0 + 63 (Provides Keypad Touchscreen Enrollment Mode Status).
- The Run LED on the control panel repeatedly flashes 200ms On and 200ms Off when the control panel is in tablet learning mode. **NOTE:** if the LED is on solid, then both Bluetooth and Tablet pairing modes are currently enabled.
- After the first touchscreen is enrolled, program the communication path, if cell only is selected, the module must be activated using it's AID.

STEP 4 – Confirm (Registration, Programming and Testing)

Registration, Programming and Testing is conducted via the touchscreen or AlarmNet 360 app. On a laptop or PC, visit: www.alarmnet360.com, or on a smart device, access the Resideo AN360 Mobile App.

IMPORTANT:
Once the programming procedure has started and the unit is powered up, do not remove power, disconnect the battery, or open the front cover of the cabinet. Disconnecting power or activating the tamper switch can cause unpredictable programming results.

1. Program the panel settings and hardwired/wireless devices using AN360. Use Sensor Learn mode to program wireless sensors and iBus zone expansion.
   NOTE: If using iBus expansion modules, the panel will auto-enroll them one at a time once initiated from local programming or AN360.
2. Set up any Wi-Fi Keypads and Z-Wave devices.
   NOTE: hardwired keypads are iBus and will auto-enroll one at a time once initiated from local programming or AN360.

Testing the System

The following test modes are available: Test Sensors (Walk Test) and Test Communicator(s)

Enter Communicator Test Mode

From the VISTAHTCHWLC, press Menu → Tools → Enter installer code (4112) → System Tests → Test Communicator and choose the appropriate test. Or, you can use AN360 (select Comm Path Test → Initiate Comm Path Test).

Enter Walk Test Mode

1. The Walk Test can be initiated from keypads and touchscreens only.
2. From the VISTAHPKP or PROSIXLCDKP Keypads, type in the Master Code or Partition Master Code + 5 + 1.
   NOTE: Each keypad will emit a periodic beep once every minute to remind you it is still in Walk Test mode.
3. From the VISTAHTCHWLC Touchscreen, navigate to Tools → enter the Installer or Master Code → System Tests → Test Sensors.
4. Upon entering the Walk Test, the Bell will sound for 2 seconds, and each keypad momentarily beeps.
5. Fault each zone (wireless keys, doors, windows, motion detectors, etc.) and listen for the Chime beeps from the keypads and touchscreens. All protection zones and wireless keys will Chime in Walk Test mode. The touchscreens will also annunciate the zone's Voice Descriptor. Identifying each faulted protection point appears on the display and clears when the zone is physically restored.
6. To exit the Walk Test Mode, type in a disarm command on any keypad or touchscreen, or it will timeout and exit automatically after 4 hours.

Step 4 - Commission the Account

Complete the Total Connect TC2 setup (If required) and Commission the system via AN360.

This system must be checked by a qualified technician at least once every three (3) years.

Verifying Software Revision

From the VISTAHTCHWLC, press Menu → Tools → Enter installer code (4112) → System Information → General.

Shutting Down the System

To avoid corrupting the control's memory before removing power from the system:

1. Verify the system is Disarmed.
2. Access Menu → Tools → enter 4-digit installer code → Shutdown System.
3. Select "OK."
4. Wait 30 seconds for the panel to shut down.
5. Unplug the power supply from the control panel.
   NOTE: AC power must be removed within three minutes. Failure to do so results in the panel rebooting.
6. Disconnect the battery.

Specifications

Dimensions:	10.44" W x 12.2" H x 3.5" D (265.2mm x 309.9mm x 87.7mm)
Electrical:	
Voltage Input:	14.3VDC, 2.65A from the plug-in power supply, Part No. R300-12131 or R300-12131-CAN (Canada)
Alarm Sounder:	10.5-13.8VDC, 2.0 Amp output (with lead acid battery installed) can drive 12V Bell or 702 Siren **NOTE:** 600mA maximum for agency installation usage, including auxiliary power.
Aux Power Output:	10.5-13.8VDC, 950mA **NOTE:** Includes iBus devices connected to another Auxiliary terminal on the control. **NOTE:** 120mA maximum for agency installations.
Backup Battery	12VDC; supports 4AH to 7AH (sealed lead acid type). Charging Voltage: 13.65VDC
Communication Formats:	4-digit Contact ID
Zone Resistance and Tolerance:	2k ohms with ±300 ohms tolerance. **NOTE:** VISTAHEXPHW requires 2.2K ohm resistors
Agency Listings	• Household Fire Warning System Units [UL985:2015 Ed.6+R:12Jul2018] • Household Burglar-Alarm Units [UL1023:2017 Ed.7] • Commercial Premises Security Alarm Units and Systems [UL2610:2021 Ed.2+R:31Jan2023] • Home Health Care Signaling Equipment [UL1637:2017 Ed.5] • General-Purpose Signaling Devices and Systems [UL 2017:2008 Ed. 2 +R:27Jan2016] • Standard for Control units, Accessories and Receiving Equipment for Intrusion Alarm Systems [ULC S304:2016 Ed.3+R1; R2] • Control Panel Standard – Features for False Alarm Reduction [ANSI/SIA CP-01:2014] • Standard for Residential Fire Warning System Control Units [ULC S545:2002 Ed. 2] • California State Fire Marshal (CSFM) Listed: 7167-1645:0523

Features and Capacities

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<tr><td>Bus Types</td><td>iBus and Control Panel Slots</td></tr>
<tr><td>Supported Modules and Keypads</td><td>
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<tr><th>Part Number</th><th>Description</th><th>System Configuration Limits</th></tr>
<tr><td>VISTAHPKP*</td><td>Hardwired Keypad</td><td>iBus, maximum 8 Hardwire</td></tr>
<tr><td>PROSIXLCDKP*</td><td>Wireless LCD Keypad</td><td>PROSIX, maximum 8 wireless keypads</td></tr>
<tr><td>VISTAHTCHWLC*</td><td>Wireless Touchscreen</td><td>Wi-Fi, maximum 8 wireless touchscreen keypads (Requires the PROWIFIZW/PROWIFI Module)</td></tr>
<tr><td>VISTAHEXPHW**</td><td>Hardwired Zone Expansion Module</td><td>iBus, up to 56 zone expansion modules supported, however, the maximum number of iBus expansion zones supported are 56.</td></tr>
<tr><td>VISTAHRELAY</td><td>Relay Expansion Module</td><td>iBus, up to 64 relay modules supported, however the maximum number of relays used is 62. Two of the outputs are for the onboard triggers 1 and 2.</td></tr>
<tr><td>PROLTE-A Series</td><td>LTE Cellular Communications Module (US/Canada, AT&T network)</td><td>Control slot 1 and 1 module supported</td></tr>
<tr><td>PROLTE-V Series</td><td>LTE Cellular Communications Module (US, Verizon network)</td><td></td></tr>
<tr><td>PROLTE-CN Series</td><td>LTE Cellular Communications Module (Canada, Bell network)</td><td></td></tr>
<tr><td>PROWIFIZW</td><td>Wi-Fi with Z-wave</td><td>Control slot 2 and 1 module supported</td></tr>
<tr><td>PROWIFI</td><td>Wi-Fi Only</td><td></td></tr>
<tr><td>VISTAHTKVRWL***</td><td>Universal Wireless Module</td><td>Control slot 3 and 1 module supported</td></tr>
<tr><td>VISTAHISO</td><td>iBus Isolation Module</td><td>Only one module is supported.</td></tr>
</table>
* A maximum of 24 keypads are supported no matter how configured
** No matter how the system in configured, 64 zones is the limit. Eight of these zones are hardwired on the panel while the rest are iBus expansion or wireless (PROSIX or using the VISTAHTKVRWL Module).
*** The VISTAHTKVRWL module supports communication with certain previously installed wireless sensors and modules. Refer to the VISTAHTKVRWL Compatibility chart (p/n R800-26221) for a list of tested and approved vendor wireless devices.
</td></tr>
<tr><td>Hardwire Zones</td><td>8 built-in and up to 64 using VISTAHEXPHW modules</td></tr>
<tr><td>2-wire Smoke Detectors</td><td>1 (Zone 1), a maximum of 16</td></tr>
<tr><td>Other Maximums</td><td>• 32 PROSIX Series Keyfobs (8 four-button Keyfobs)
• 16 Wi-Fi Cameras
NOTE: Compatible Cameras are: IPCAM-WIC1, IPCAM-WIC2, IPCAM-WOC1, IPCAM-WOC2, VX1, VX3, and VX5.</td></tr>
<tr><td>Z-Wave</td><td>78 devices in total with a Maximum of 6 Thermostats, 6 Door Locks, and 6 Garage Doors.</td></tr>
<tr><td>Security Codes (Users)</td><td>100</td></tr>
<tr><td>Event Log</td><td>10,000 events (Local Viewing Requires VISTAHTCHWLC)</td></tr>
</table>

The Limitations of this Alarm System

While this system is an advanced design security system, it does not offer guaranteed protection against burglary or fire or other emergency. Any alarm system, whether commercial or residential, is subject to compromise or failure to warn for a variety of reasons. For example:

- Intruders may gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device.
- Intrusion detectors (e.g., passive infrared detectors), smoke detectors, and many other sensing devices will not work without power. Battery-operated devices will not work without batteries, with dead batteries, or if the batteries are not put in properly. Devices powered solely by AC will not work if their AC power supply is cut off for any reason, however briefly.
- Signals sent by wireless transmitters may be blocked or reflected by metal before they reach the alarm receiver. Even if the signal path has been recently checked during a weekly test, blockage can occur if a metal object is moved into the path.
- A user may not be able to reach a panic or emergency button quickly enough.
- While smoke detectors have played a key role in reducing residential fire deaths in the United States, they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires, according to data published by the Federal Emergency Management Agency. Some of the reasons smoke detectors used in conjunction with this System may not work are as follows. Smoke detectors may have been improperly installed and positioned. Smoke detectors may not sense fires that start where smoke cannot reach the detectors, such as in chimneys, in walls, or roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level of a residence or building. A second-floor detector, for example, may not sense a first-floor or basement fire. Moreover, smoke detectors have sensing limitations. No smoke detector can sense every kind of fire every time. In general, detectors may not always warn about fires caused by carelessness and safety hazards like smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches, or arson. Depending upon the nature of the fire and/or the locations of the smoke detectors, the detector, even if it operates as anticipated, may not provide sufficient warning to allow all occupants to escape in time to prevent injury or death
- Passive Infrared Motion Detectors can only detect intrusion within the designed ranges as diagrammed in their installation manual. Passive Infrared Detectors do not provide volumetric area protection. They do create multiple beams of protection, and intrusion can only be detected in unobstructed areas covered by those beams. They cannot detect motion or intrusion that takes place behind walls, ceilings, floors, closed doors, glass partitions, glass doors, or windows. Mechanical tampering, masking, painting or spraying of any material on the mirrors, windows or any part of the optical system can reduce their detection ability. Passive Infrared Detectors sense changes in temperature; however, as the ambient temperature of protected area approaches the temperature range of 90° to 105°F, the detection performance can decrease.
- Alarm warning devices such as sirens, bells, or horns may not alert people or wake up sleepers if they are located on the other side of closed or partly open doors. If warning devices sound on a different level of the residence from the bedrooms, then they are less likely to waken or alert people inside the bedrooms. Even persons who are awake may not hear the warning if the alarm is muffled from a stereo, radio, air conditioner or other appliance, or by passing traffic. Finally, alarm warning devices, however loud, may not warn hearing-impaired people or waken deep sleepers.
- Even if the system responds to the emergency as intended, however, occupants may have insufficient time to protect themselves from the emergency situation. In the case of a monitored alarm system, authorities may not respond appropriately.
- This equipment, like other electrical devices, is subject to component failure. Even though this equipment is designed to last as long as 10 years, the electronic components could fail at any time.
- The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance. This alarm system should be tested weekly to make sure all sensors and transmitters are working properly.
- Installing an alarm system may make one eligible for lower insurance rates, but an alarm system is not a substitute for insurance. Homeowners, property owners, and renters should continue to act prudently in protecting themselves and continue to insure their lives and property.

We continue to develop new and improved protection devices. Users of alarm systems owe it to themselves and their loved ones to learn about these developments.

RF Exposure

Warning – The antenna(s) used for this device must be installed to provide a separation distance of at least 7.8 inches (20 cm) from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC and ISED multi-transmitter product procedures.

Mise en Garde

Exposition aux Frequences Radio: La/les antenne(s) utilisée(s) pour cet émetteur doit/doivent être installée(s) à une distance de séparation d'au moins 20 cm (7,8 pouces) de toute personne et ne pas être située(s) ni fonctionner parallèlement à tout autre transmetteur ou antenne, excepté en conformité avec les procédures de produit multi transmetteur FCC et ISEDs.

This equipment should be installed in accordance with National Electrical Code, NFPA 70, Standard for the Installation of Residential Fire Warning Systems, CAN/ULC-S540 and Chapter 2 of the National Fire Alarm Code, ANSI/NFPA 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269). Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment.

Canadian Installations

For Installation in Canada, wiring shall be in accordance with CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations ; CAN/ULC S302, Standard for the Installation, Inspection and Testing of Intrusion Alarm Systems; and CAN/ULC S301, Standard for Signal Receiving Centre Intrusion Alarm Systems and Operations.

Warning: Owner's instruction notice: 'Not to be removed by anyone except occupant

Avertissement : Avis du propriétaire : « Ne doit être retiré par personne, saut l'occupant. »

Warning: this unit includes an alarm verification feature that will result in a delay of the system alarm signal from the indicated circuits. The total delay (control unit plus smoke detectors) shall not exceed 60 seconds. No other smoke detector shall be connected to these circuits unless approved by the local authority having jurisdiction.

Avertissement: Cette unité peut être programmée pour utiliser une fonction de vérification d'alarme d'incendie qui entraîne un délai dans la signalisation des alarmes provenant des circuits dédiés à l'incendie. Le délai total (unité de commande et détecteurs de fumée) ne doit pas dépasser 60 secondes. Aucun autre détecteur de fumée ne doit être raccordé à ces circuits sans l'approbation des autorités compétentes locales.

Note Each protected circuit within this control is supervised.

Federal Communications Commission & ISED Statements

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

CLASS B DIGITAL DEVICE STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

- If using an indoor antenna, replace it with a quality outdoor antenna.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

ISED CLASS B STATEMENT

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

FCC / ISED STATEMENT

This device complies with Part 15 of the FCC Rules, and ISED's license-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.
Cet appareil est conforme à la partie 15 des règles de la FCC et exempt de licence RSS ISED. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences nuisibles. (2) Cet appareil doit accepter toute interférence reçue y compris les interférences causant une réception indésirable.

Responsible Party / Issuer of Supplier's Declaration of Conformity: Ademco Inc., a subsidiary of Resideo Technologies, Inc., 2 Corporate Center Dr., Melville, NY 11747, Ph: 516-577-2000

Recommendations for Proper Protection

The Following Recommendations for the Location of Fire and Burglary Detection Devices Help Provide Proper Coverage for the Protected Premises.

Recommendations for Smoke and Heat Detectors

With regard to the number and placement of smoke/heat detectors, we subscribe to the recommendations contained in the National Fire Protection Association's (NFPA) Standard #72 noted below.

Early warning fire detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows: For minimum protection a smoke detector should be installed outside of each separate sleeping area, and on each additional floor of a multi-floor family living unit, including basements. The installation of smoke detectors in kitchens, attics (finished or unfinished), or in garages is not normally recommended.

For additional protection the NFPA recommends that you install heat or smoke detectors in the living room, dining room, bedroom(s), kitchen, hallway(s), attic, furnace room, utility and storage rooms, basements and attached garages.

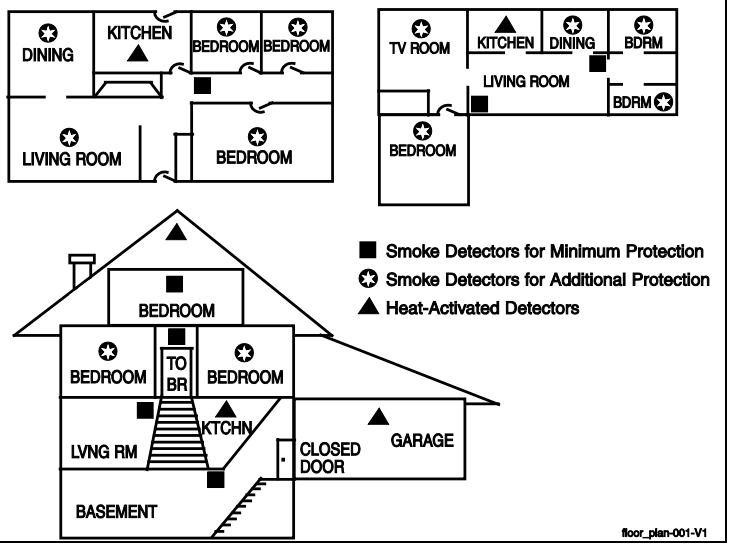
In addition, we recommend the following:

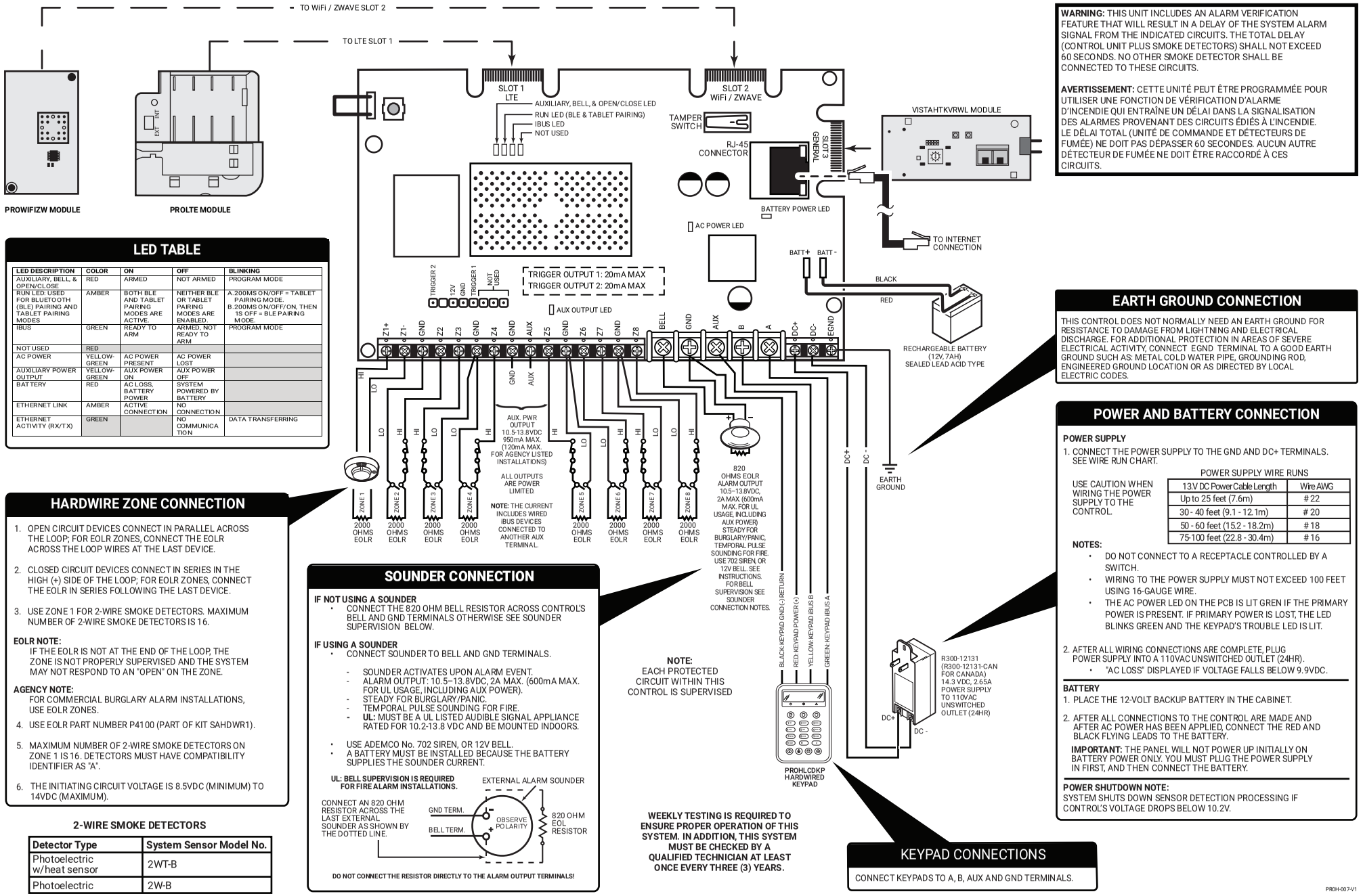
- Install a smoke detector inside every bedroom where a smoker sleeps.
- Install a smoke detector inside every bedroom where someone sleeps with the door partly or completely closed. Smoke could be blocked by the closed door. Also, an alarm in the hallway outside may not wake up the sleeper if the door is closed.
- Install a smoke detector inside bedrooms where electrical appliances (such as portable heaters, air conditioners or humidifiers) are used.
- Install smoke detectors at both ends if the hallway is more than 40 feet (12 meters) long.
- Install smoke detectors in any room where an alarm control is located, or in any room where alarm control connections to an AC source or phone lines are made. If detectors are not so located, a fire within the room could prevent the control from reporting a fire or an intrusion.

This Control Complies with NFPA Requirements for Temporal Pulse Sounding of Fire Notification Appliances

Recommendations for Proper Intrusion Protection

- For proper intrusion coverage, sensors should be located at every possible point of entry to a home or premises. This would include any skylights that may be present, and the upper windows in a multi-level building.
- In addition, we recommend that radio backup be used in a security system. This will ensure that alarm signals can be sent to the alarm monitoring station in the event that the communications are out of order (if connected to an alarm monitoring station).





WARNING: THIS UNIT INCLUDES AN ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM ALARM SIGNAL FROM THE INDICATED CIRCUITS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. NO OTHER SMOKE DETECTOR SHALL BE CONNECTED TO THESE CIRCUITS.

AVERTISSEMENT: CETTE UNITÉ PEUT ÊTRE PROGRAMMÉE POUR UTILISER UNE FONCTION DE VÉRIFICATION D'ALARME D'INCENDIE QUI ENTRAÎNE UN DÉLAI DANS LA SIGNALISATION DES ALARMES PROVENANT DES CIRCUITS ÉDIÉS À L'INCENDIE. LE DÉLAI TOTAL (UNITÉ DE COMMANDE ET DÉTECTEURS DE FUMÉE) NE DOIT PAS DÉPASSER 60 SECONDES. AUCUN AUTRE DÉTECTEUR DE FUMÉE NE DOIT ÊTRE RACCORDÉ À CES CIRCUITS.

LED TABLE

LED DESCRIPTION	COLOR	ON	OFF	BLINKING
AUXILIARY, BELL, & OPEN/CLOSE	RED	ARMED	NOT ARMED	PROGRAM MODE
RUN LED USED FOR BLUETOOTH (BLE) PAIRING AND TABLET PAIRING MODES	AMBER	BOTH BLE AND TABLET PAIRING MODES ARE ACTIVE.	NEITHER BLE OR TABLET PAIRING MODES ARE ENABLED.	A.200MS ON/OFF = TABLET PAIRING MODE. B.200MS ON/OFF/ON, THEN 1S OFF = BLE PAIRING MODE.
IBUS	GREEN	READY TO ARM	ARMED, NOT READY TO ARM	PROGRAM MODE
NOT USED	RED			
AC POWER	YELLOW-GREEN	AC POWER PRESENT	AC POWER LOST	
AUXILIARY POWER OUTPUT	YELLOW-GREEN	AUX POWER ON	AUX POWER OFF	
BATTERY	RED	AC LOSS, BATTERY POWER	SYSTEM POWERED BY BATTERY	
ETHERNET LINK	AMBER	ACTIVE CONNECTION	NO CONNECTION	
ETHERNET ACTIVITY (RX/TX)	GREEN		NO COMMUNICATION	DATA TRANSFERRING

HARDWIRE ZONE CONNECTION

1. OPEN CIRCUIT DEVICES CONNECT IN PARALLEL ACROSS THE LOOP; FOR EOLR ZONES, CONNECT THE EOLR ACROSS THE LOOP WIRES AT THE LAST DEVICE.
2. CLOSED CIRCUIT DEVICES CONNECT IN SERIES IN THE HIGH (+) SIDE OF THE LOOP; FOR EOLR ZONES, CONNECT THE EOLR IN SERIES FOLLOWING THE LAST DEVICE.
3. USE ZONE 1 FOR 2-WIRE SMOKE DETECTORS. MAXIMUM NUMBER OF 2-WIRE SMOKE DETECTORS IS 16.

EOLR NOTE:
IF THE EOLR IS NOT AT THE END OF THE LOOP, THE ZONE IS NOT PROPERLY SUPERVISED AND THE SYSTEM MAY NOT RESPOND TO AN "OPEN" ON THE ZONE.

AGENCY NOTE:
FOR COMMERCIAL BURGLARY ALARM INSTALLATIONS, USE EOLR ZONES.

4. USE EOLR PART NUMBER P4100 (PART OF KIT SAHDWR1).
5. MAXIMUM NUMBER OF 2-WIRE SMOKE DETECTORS ON ZONE 1 IS 16. DETECTORS MUST HAVE COMPATIBILITY IDENTIFIER AS "A".
6. THE INITIATING CIRCUIT VOLTAGE IS 8.5VDC (MINIMUM) TO 14VDC (MAXIMUM).

2-WIRE SMOKE DETECTORS

Detector Type	System Sensor Model No.
Photoelectric w/heat sensor	2WT-B
Photoelectric	2W-B

SOUNDER CONNECTION

IF NOT USING A SOUNDER
- CONNECT THE 820 OHM BELL RESISTOR ACROSS CONTROL'S BELL AND GND TERMINALS OTHERWISE SEE SOUNDER SUPERVISION BELOW.

IF USING A SOUNDER
- CONNECT SOUNDER TO BELL AND GND TERMINALS.
  - SOUNDER ACTIVATES UPON ALARM EVENT.
  - ALARM OUTPUT: 10.5–13.8VDC, 2A MAX. (600mA MAX. FOR UL USAGE, INCLUDING AUX POWER).
  - STEADY FOR BURGLARY/PANIC.
  - TEMPORAL PULSE SOUNDING FOR FIRE.
  - **UL:** MUST BE A UL LISTED AUDIBLE SIGNAL APPLIANCE RATED FOR 10.2-13.8 VDC AND BE MOUNTED INDOORS.
- USE ADEMCO No. 702 SIREN, OR 12V BELL.
- A BATTERY MUST BE INSTALLED BECAUSE THE BATTERY SUPPLIES THE SOUNDER CURRENT.

UL: BELL SUPERVISION IS REQUIRED FOR FIRE ALARM INSTALLATIONS.

DO NOT CONNECT THE RESISTOR DIRECTLY TO THE ALARM OUTPUT TERMINALS!

NOTE:
EACH PROTECTED CIRCUIT WITHIN THIS CONTROL IS SUPERVISED

WEEKLY TESTING IS REQUIRED TO ENSURE PROPER OPERATION OF THIS SYSTEM. IN ADDITION, THIS SYSTEM MUST BE CHECKED BY A QUALIFIED TECHNICIAN AT LEAST ONCE EVERY THREE (3) YEARS.

KEYPAD CONNECTIONS

CONNECT KEYPADS TO A, B, AUX AND GND TERMINALS.

EARTH GROUND CONNECTION

THIS CONTROL DOES NOT NORMALLY NEED AN EARTH GROUND FOR RESISTANCE TO DAMAGE FROM LIGHTNING AND ELECTRICAL DISCHARGE. FOR ADDITIONAL PROTECTION IN AREAS OF SEVERE ELECTRICAL ACTIVITY, CONNECT EGND TERMINAL TO A GOOD EARTH GROUND SUCH AS: METAL COLD WATER PIPE, GROUNDING ROD, ENGINEERED GROUND LOCATION OR AS DIRECTED BY LOCAL ELECTRIC CODES.

POWER AND BATTERY CONNECTION

POWER SUPPLY

1. CONNECT THE POWER SUPPLY TO THE GND AND DC+ TERMINALS. SEE WIRE RUN CHART.

USE CAUTION WHEN WIRING THE POWER SUPPLY TO THE CONTROL.

POWER SUPPLY WIRE RUNS

13.V DC Power Cable Length	Wire AWG
Up to 25 feet (7.6m)	# 22
30 - 40 feet (9.1 - 12.1m)	# 20
50 - 60 feet (15.2 - 18.2m)	# 18
75-100 feet (22.8 - 30.4m)	# 16

NOTES:
- DO NOT CONNECT TO A RECEPTACLE CONTROLLED BY A SWITCH.
- WIRING TO THE POWER SUPPLY MUST NOT EXCEED 100 FEET USING 16-GAUGE WIRE.
- THE AC POWER LED ON THE PCB IS LIT GREN IF THE PRIMARY POWER IS PRESENT. IF PRIMARY POWER IS LOST, THE LED BLINKS GREEN AND THE KEYPAD'S TROUBLE LED IS LIT.

2. AFTER ALL WIRING CONNECTIONS ARE COMPLETE, PLUG POWER SUPPLY INTO A 110VAC UNSWITCHED OUTLET (24HR).
   - "AC LOSS" DISPLAYED IF VOLTAGE FALLS BELOW 9.9VDC.

BATTERY

1. PLACE THE 12-VOLT BACKUP BATTERY IN THE CABINET.
2. AFTER ALL CONNECTIONS TO THE CONTROL ARE MADE AND AFTER AC POWER HAS BEEN APPLIED, CONNECT THE RED AND BLACK FLYING LEADS TO THE BATTERY.

IMPORTANT: THE PANEL WILL NOT POWER UP INITIALLY ON BATTERY POWER ONLY. YOU MUST PLUG THE POWER SUPPLY IN FIRST, AND THEN CONNECT THE BATTERY.

POWER SHUTDOWN NOTE:
SYSTEM SHUTS DOWN SENSOR DETECTION PROCESSING IF CONTROL'S VOLTAGE DROPS BELOW 10.2V.

Training, Documentation and Technical Support

PLEASE, before you call Technical Support, be sure you:

READ THE INSTRUCTIONS AND VIEW THE INSTRUCTIONAL VIDEOS

- Visit: mywebtech.honeywellhome.com
- Determine that the power and/or backup battery supply proper voltages.
- Verify your programming information where applicable.
- Note the proper model number of this product and the version level (if known) along with any documentation that came with the product.
- Note your customer number and/or company name.

Keeping this information handy will make it easier for us to serve you quickly and effectively. For technical support please call 1-800-645-7492.

Instructional Videos

MyWebTech

The product should not be disposed of with other household waste. Check for the nearest authorized collection centers or authorized recyclers. The correct disposal of end-of-life equipment will help prevent potential negative consequences for the environment and human health.

Any attempt to reverse-engineer this device by decoding proprietary protocols, de-compiling firmware, or any similar actions is strictly prohibited.

SUPPORT & WARRANTY

See Installation and Setup Guide P/N R800-28381 Dated 1/24 or later.
For the latest documentation and online support information, please go to:

www.resideo.com

For the latest warranty information, please go to:
www.security.honeywellhome.com/warranty

resideo

www.resideo.com

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