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Honeywell vista 15p installation manual

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Early warning fire detection is best achieved by installing fire detection equipment in all rooms and areas of the household as follows: For minimal protection a smoke detector must be installed outside each individual sleeping area, and on each additional floor of a multi-storey family housing unit, including basements. The installation of smoke detectors in kitchens, attics (finished or unfinished), or in garages is not normally recommended. For added protection, the NFPA recommends installing heat or smoke detectors in the living room, bedroom(s), kitchen, hallway(s), attic, oven room, utilities and storage rooms, cellars and raised garages. In addition, we recommend: • Install a smoke detector in each bedroom where a smoker sleeps. • Install a smoke detector in each bedroom where someone sleeps with the door is closed. • Install a smoke detector in bedrooms where electrical appliances (such as portable stoves, air conditioners or kitchen dining BDRM BEDROOM BEDROOM BEDROOM BEDROOM BEDROOM Sedector at both ends of a hallway as the hallway is more than 40 feet (12 feet) long. • Install smoke detectors in any room where an alarm is located, or in any room where an alarm is located like this, a fire in the room can prevent the control from reporting a fire or a burglary. THIS CHECK COMPLIES WITH THE NFPA REQUIREMENTS FOR THE TEMPORARY PULSE NOISE OF FIRE ALARM DEVICES. for minimal protection smoke detectors for extra protection bedroom br heat-activated heat-Recommendations for good burglary protection For proper burglary coverage, sensors must be located at any point of access to a home or business premises. This would also include all the skylights that could be present, and the upper windows in a multi-level building. In addition, we recommend using radio backup in a security system Worksheet and other addressable devices...... . 2-6 Double-Vista-20PCN (collectively referred to as VISTA-20P Series), ADEMCO VISTA-15PSIA/ADEMCO VISTA-15PSIA/ADEMCO VISTA-15PSIA are certified SIAcompatible controls that meet SIA false alarm reduction. To program for False Alarm Reduction, follow the SIA guidelines listed in the applicable programming fields. Features and Features Feature/Function Partitions VISTA-20P Series VISTA-15P is not a partitioned system. • 2 partitions, can protect two independent areas • Common area (e.g. lobby or fover) disarmed for access to the other partition. Up to 32 zones plus 8 keyfob zones (zones up to 48 protection zones plus 16 keyfob 49-56) for a total of 40 zones: vones (zones 49-6 4) for a total of 64 zones: • 6 base hard zones (zones 1-8) with optional zone duplication function • Up to 10000 6 16 extra wired zones (zones 924) with up to 2 4219/4229 modules • Up to 40 additional wired zones (zones 948) with up to 5 4219/4229 modules • Up to 26 wireless transmitter zones (5800 series; zones 9-34) • Up to 40 wireless transmitter zones (5800 series; zones 9-34) • Up to 2 configurable zone types • Up to 4 configurable zone types Codes Up to 48 security codes, with separate up to 32 security codes, with separate authority levels and partition access guake levels With one button arming special keys, the system can be turned on, Special keys can take the system in the arm. Schedules Up to 32; can operate devices and/or autoUp to 8; devices can operate and/or arm/disa activated by wired keyboards Paging Up to 4 pagers; certain system conditions Up to 2 pagers; certain system conditions may report to pagers; can use a special key on keyboards to send a signal to a pager Event Logging 100 events; display via Compass Downloader 50 events; display via Compass Downloader software or installer/master code on Keypad software or installer/master code on Keypad software or installer/master code on Keypad Zone descriptors can assign for all zones (for alpha display keypads and/or 4286 Phone Module). Call Supervision Optionally, you detect external sound wiring briefly (at the alarm) or open (when the bell is turned off); causes a problem condition, the keyboard display, and sends a report to the central control station, if enabled (field *91, option 1). RF jam detection Optional, for wireless systems, detects a condition that may impede proper RF reception (i.e. jamming or other RF interference); causes keypad display and sends a report to the central control station (if problem reporting is enabled). Phone line Built-in option can control the phone line voltage and can lead to a local display, or a monitoring display and problems/alarm sound. Download via • Via Standard Phone Line: Use an IBM-compatible computer, Compass download phone line or software, and a compatible HAYES or CIA modem specified by Honevwell. Internet • Over the Internet: supports Upload/Download via the Internet/intranet when used with a suitable communication device (e.g. 7845i-GSM) and Compass download software. This allows the maintenance of the site independent of central station monitoring. and modification of sites worldwide over the Internet. UL NOTE: Uploading/downloading over the Internet has not been evaluated by UL. 1-1 Installation and Installation and Installation Guide Compatible Devices Addressable Keyboards Touch Screen (AUI) Devices 4219, 4229 Zone Expander Modules 5800 Series Wireless Output Relays and/or Powerline Carrier Devices (X-10 type) On-Board Triggers Output features 4286 Phone Module Verification VISTA-20P 8 4 To 5 for up to 40 exp. zones Module 6150 Fixed-Word Keypad, 6160 Alpha Keyboard, 6150V Fixed-Word Display Voice Keypad, 6160V Alpha Display Voice Keypad, 6150RF Keyboard/Transceiver Touchscreen (AUI) Are Next To 8 addressable keyboards. For example, Symphony, 6270 Zone numbers are predefined based on the device addresses used. In the Wiring section, see Table Addresses of expander modules, and set addresses accordingly. Used 5881/5883 Series Receivers/Transceivers. Use a combination of 4204, 4229 and or Powerline Carrier Devices. Card output devices using menu mode *79. Can be used to reset 4-wire smoke detectors. Program output features through menu mode *80. Provides access to the system via on-premises or offoremises phones for arming, disarming, etc., plus control of relay outputs and Powerline Carrier devices. Use Honevwell AVS or Eagle Model 1250 in combination with an executing trigger to enable voice dialogue between an operator at the central station and a person on site. The AVS system can be used to deliver AAV via telephone line or AlarmNet IP/GSM (using a GSMV module). Can power the compatible sounders; stable output for burglary /panic, or temporal pulse (3 pulses - pause - 3 pulses - pause - 3 pulses ...) for fire. Uses the current restrictive circuits for protection. 12VDC, maximum 600 mA; uses circuit protection. Rechargeable (sealed lead acid type) 12VDC, minimum 4AH. Primary phone number messages can be reported via ECP connection to different communication devices (check compatibility/availability of specific models) Plug-in 120VAC transformer, 1321 (1321CN in Canada) or, if you use Powerline Carrier devices, 1361X10 Transformer Alarm Module output See note. See not Canadian installation must be listed for use in Canada. Important Installation Highlights (Installer Please Read) • This system uses addressable keyboards and other addressable devices). • Keyboards must be set for addresses 16-23 (first keyboard is address 16, which differs from previous controls) and programmed in data fields *190-*196. • Zone Expander Modules should be set up for specific addresses (12-15). • This steering will not start unless the AC is plugged in (will not only boot up on the battery). However, once the system is enabled, it will work on the in the case of AC loss. • Relays have two programming menu mode *79 to assign module addresses and device numbers (output). Use menu mode *80 to define output functions. • This system supports programmable function keys. Use *57 Menu Mode to define the function keys. 1-2 S E C T I O N 2 Assembly and wiring of the control system installing the control system installing the control cabinet and lock 1. Remove the closet door. Remove the closet door. Remove the closet door. Remove the closet door. clean, dry space, which is not easily accessible to the general public, using fasteners or anchors (not supplied) with the four cabinet mounting is complete, install the cabinet door and attach by using 2 screws (supplied) through the edge of the door. OPTIONAL KEY LOCK: A key lock can be installed if desired (K4445, not included). Remove the lock knocked out of the door. Place the key in the lock. Place the lock will make contact with the locking bracket when the door is closed. When placed correctly, press the lock until the snap tabs hold it safely. MountING THE PC Board Alone (no RF Receiver) CHECK POSITION LOCKED PUSH ADEMCO ADEMCO SAFELY with SCREWS (2) cab 6-V0 SNAP TAB PUSH LOCK UNTIL IT SITS SECURELY UNLOCKED CABINET DOOR BOTTOM STEP 1 STEP 2 Figure 1. Installing the door and cabinet lock For installing the contents of the cabinet, remove the metal cabinet knockouts needed for wiring entry. Do not remove the knockouts after the circuit board is installed. 1. Hang two short mounting clips (included) on the tabs of the raised cabinet (see detail B). 2. Place the top of the circuit board in the slots at the top of the circuit board in the slots at the top of the circuit board is installed. 1. Hang two short mounting clips (included) on the tabs of the raised cabinet (see detail B). 2. Place the top of the circuit board in the slots at the top of the circuit board is installed. base of the board into the mounting clips and attach the board to the cabinet with the corresponding screws (see Detail B). CIRCUIT BOARD CABINET DETAIL B SIDE VIEW OF MOUNTING-001-V0 MOUNTING BOARD WITH RF Receiver Figure 2. Mounting the PC Board • Do not mount the cabinet on or near metal objects. This reduces RF range and/or blocks RF transmissions from wireless transmitters. • Do not look for the cabinet in an area with high RF interference (evidenced by frequent or prolonged lighting of the LED in the receiver (random flickering is OK) 1. a. Remove the receiver board from the housing and then place the top of the soard in the slots at the top of the cabinet, as shown in detail A in figure 3 on the correct row of tabs. B. Swing the base of the board into the mounting clips and attach it to the cabinet with the corresponding screws. c. Place the top of the control board in the slot in the cabinet in the left clamps of the antenna antenna (at the top edge of the receiver board) and attach them to the cabinet top with the supplied screws (see Detail B). Place the receiver's antennae through the top of the cabinet, into the right clamps of the blocks and tighten the screws. CABINET A B RECEIVER PRINT BOARD SUPPORT SLOTS PRINT BOARD CABINET + + MONTAGE CLIP CONTROL PRINT BOARD DETAIL A MONTAGE CLIP SIDE VIEW OF BOARD SUPPORT SLOTS INSTALLATION WITH RECEIVER CIRCUIT BOARD ANTENNA (2) GROUNDING LUG (2) WHITE MOUNTING CLIP BLACK MONTAGE CLIP RED MONTAGE CLIP ANTENNA MOUNT (2 PLACES) NOTE A COMBINATION OF THESE MOUNTING CLIPS IS INCLUDED IN YOUR INSTALLATION KIT. USE THE RIGHT CLIPS FOR ASSEMBLY. IF NO RF RECEIVER IS USED, MOUNT THE PC BOARD USING THE WHITE OR BLACK CLIPS, NO MATTER WHAT ARE INCLUDED IN THE CONTROL PANEL HARDWARE KIT. DETAIL B ANTENNA AND GROUNDING LUG INSTALLATION PC MOUNT-001-V1 Figure 3. Montage van het pc-bord en RF-ontvanger Hulpapparaat Current Draw Worksheet DEVICE 6150 Fixed-Word-toetsenbord 6160V Alpha Display Voice Keypad 8132/814 2 Serie AUI (Symfonie) 6270 Touch Screen Keypad 5881/5882 RF Receiver 5883 Transceiver 4219 Zone Expander 4204 Relay Unit 4229 Zone Expander 4204 Relay Unit 4208 15/180mA · 30/100mA · 30/100mA · 300mA Nr. EENHEDEN TOTAL = *Als u hardwire-apparaten zoals PIRs gebruikt, readpleegt u de specificaties voor de huidige loting van die specificaties voor de huidige lot backlighting and sound system on †In UL installations you are equipped with a maximum power output of the aux and the combined alarm output should not exceed 600 mA (500 mA max from Aux. Output) amounts. √Values are for relays OFF/relays ON. The California State Fire Marshal and UL have regulations requiring all residential fire alarm control panels to be equipped with a backup battery that has sufficient capacity to operate the panel and connected peripherals in the intended fire alarm. This control panel can meet these requirements without the use of an additional power supply, provided that the additional flow and call flow of the panel are limited, as indicated below. EXHAUSTing limitations and associated required battery by total maximum auxiliary battery power recommended battery use (Amp/hrs) (Yuasa Model No.) 600mA maximum total of 45mA 4AH NP4-12 (or ADEMCO 467) plus call 160mA 7AH NP7-12 exit stream 200mA 8AH NP4-12 (two) · 425mA 14AH NP7-12 (two) · 500mA 500mA NPG18-12 / NOTE: Use two batteries, connected in parallel. Get a Ademco Battery Harness Kit SA5140-1. (Both batteries fit in the cabinet.) CALIFORNIA STATE FIRE MARSHALL (CSFM) AND UL RESIDENTIAL FIRE 24-HOUR BATTERY BACKUP REOUIREMENTS 2-2 Assembly and Wiring of the Control AC Power, Battery and Ground Connections 1321 Transformer (1321CN in Canada) to Terminals 1 and 2 on the control board. See Wire Run Chart for wire size to use. • Be careful when wiring the transformer to the steering to protect against the blowing of the transformer fuse (the fuse is not replaceable). Wire size #20 #18 #16 1 TO TERMINALS 1 AND 2 1321X10-001-V0 2 1361X10 Transformer (required when using Powerline Carrier devices) s Y Outno puts Sign Com al mon X1 0 That one to 8-PIN CONNECTOR 1 2 1361X10-001-V0 TO TERMINALS 1 AND 2 Battery Connections BLACK RED UL For UL installations and residential fire installations, refer to the chart on page 2-2 links for the correct battery size needed to meet the mandatory standby time. batt conn-001-V0 Connect Flying LEADS after AC POWER IS APPLIED Battery Saver Feature Earth Ground CO B OL NTR R D D 25 Connect from the system after its voltage decreases below 9VDC. This helps the control panel charge the battery when the AC is restored. IMPORTANT: The panel will not be switched on only on batteries in the first instance. You first need to connect the transformer and then plug in the battery. • This product has been designed and laboratory tested to ensure resistance to damage from generally expected levels of lightning and electrical discharge and does not normally require earth's surface. • If a ground floor is desirable for additional protection in areas of severe electrical activity, terminal 25 can be used as a ground connection point on the control plate or cabinet. Below are examples of good soils on earth that are available at most installations. earth gnd-001-V0 Metal Cold Water Pipe: Use a non-corrosive metal band (copper is recommended) firmly attached to the pipe to which the ground lead is electrically connected and secured. AC Power Outlet Ground: Only available from 3-prong, 120VAC sockets. To test the integrity of the ground terminal, use a 3-wire circuit tester with neon lamp indicators, such as the UL Listed Ideal Model 61-035, or equivalent, available at most electrical supply stores. DATA COM AC SYNC AC • Wiring to the AC transformer should not exceed 250 feet using 16-meter wire. The voltage measurement between the 1 and 2 of the operation must not fall under 16.5VAC or an AC LOSS message shall be displayed. • Do not connect the transformer to the acputable exhaust until all wiring connections on the control channel have been completed. As a safety always carry out the check when making such connections. 8-PIN TRIGGER CONNECTOR 1. Splice a tip of a 3-conductor cable 1 3 4 5 6 7 8 at the wire ends of the SA4120XM-1 cable. 1361X10 TRANSFORMER 2. Connect the SA4120XM-1 cable plug to the 8-pin connector on the chronge you COM DATA AC AC (see the overview of connector). SA4120XM CABLE 3. Connect the other end of the 2 1 3 conductor cable to the 1361X10 CONTROL Transformer, as shown in Figure 4. TERMS AND CONDITIONS. Canadian Installations: See Powerline Carrier Device section for Figure 4. 1361X10 Transformer Connections to the PSC04 X-10 Interface and trigger pins. 1. Place the 12-volt backup battery in the cabinet. 2. After all the plugs on the steering have been completed and the AC has been applied, connect the red and black flying leads on the control board to the battery. Do not attach these cables to the battery terminals until all connections are complete. KEY (YELLOW) OUTPUT 18 (GREEN) (ORANGE) (BLUE) (PURPLE) OUTPUT 17 +12 AUX. SND (-) (RED) (2-3 Installation and Setup Guide (Bell) Connections Basic Connections 3 4 Make sound connections to alarm outputs 3 (+) and 4 (-). • The 12VDC sounder output activates when an alarm occurs. • The total current pulled from this output must not exceed 2 amps (by going beyond 2 amps overloaded the power supply or the electronic circuit can cause the electronic circuit to protect the sound production from tripping). • You need to install a battery because the battery provides it with power. Supervision EOL resistance to the terminals of the last sounder. See Figure 5. NOTE: The value of the Bell Supervision EOL Resistor is 820 ohm. This resistance is only required if Bell Supervision is enabled. 2. Set *91 Option Selection field for Call Guidance (option 1). This check complies with the NFPA requirements for temporary pulse sound for a fire alarm devices. Temporary pulse sound for a fire alarm consists of: 3 pulses – pause – 3 pulses etc. spkr conn-001-V0 ALARM OUTPUT 10.5 - 13.5 VDC 2A MAX. UL TERMINALS ON CONTROL BOARD EXTERNAL ALARM SOUNDER DOES NOT CONNECT THE RESISTANCE DIRECTLY TO THE ALARM OUTPUT TERMINALS! Figure 5. Sounder Wiring (supervised) Connecting the keyboards and other addressable devices Connections 4 5+ 6 IN 7 OUT BLACK Connect keyboards and other addressable devices (4204, 4219, 4229, 4286, 5881, GSMV, etc.) with the keyboard terminals of the control, as shown in the Diagram Summary of Connections. The system supports up to 8 keyboards, which can be partitions in each combination (see programme fields *190-* 196). Use the device address table to determine the correct address for each device. Determine the wire size using the Wire Run Chart on the next page. For some 4-wire runs, runs, The current pulled through all units, then refer to the Wiring Run chart to determine the maximum length that can be safely used for each wire size. Use extra power as the aux. power of the control for all devices over 600mA (suggested power supply: AD12612). Connect as shown in Figure 6. Make sure that you connect the negative (-) terminal 4 (AUX -) to the controls. IMPORTANT: Keyboards powered by non-backup batteries won't work if the AC is lost. Make sure you power at least one keyboard in each partition of the control's extra power. RED GREEN AR MED RE AD Y YELLOW Additionaly Power (optional) conn-001-V0 ADDITIONAL POWER SUPPLY CONTROL TERMINAL STRIP AUX. Aux. DATA DATA - + IN OUT + - UL TO KEYPAD BLK WIRE TO KEYPAD GRN WIRE TO KEYPAD YEL WIRE TO KEYPAD RED WIRE TO KEYPAD BLK WIRE TO KEYPAD YEL WIRE FIGURE 6. Using an additional power supply 2-4 supp pwr supply-V0 IMPORTANT: MAKE THESE CONNECTIONS DIRECTLY TO SCREW TERMINALS as shown. TO KEYPAD GRN WIRE TO KEYPAD RED WIRE Use an UL Listed, battery-backed supply for UL installations. The battery provides power to these keyboards in case of alternating current loss. The battery-backed power time. 4 5 6 7 sounder-001-V2 • Use UL Listed sounding devices only for UL installations. • Call monitoring is required for fire alarm systems. • The total current pulled from the alarm power and the extra power must not exceed 600mA. In addition, the sound device must be an UL Listed audible signal appliance suitable for use in a 10.2-13.8VDC voltage range and must be mounted inside. 4 ALARM OUTPUT TERMINALS 3 OBSERVING POLARITY 820 OHM EOL RESISTANCE + 2 WHEN BUBBLE MONITORING IS TURNED ON (91 ENABLED) CLOSES AN 820 OHM RESISTANCE OVER THE EXTERNAL SOUNDER, AS EVIDENCED BY THE DOTTED LINE. Mounting and wiring the control key notes Set device addresses. See the instructions that come with the devices, and set each address based on the device addresses table. For more information about enabling keyboard partitions, and selecting keyboard partitions, see data fields in the programming guide. IMPORTANT: Each keyboard must be assigned a unique, predefined address from 16 to 23. The first keyboard is address 16 (default = partition 1, all sounds enabled). TOUCH SCREEN KEYPAD (AUI) NOTES: • The use of AUI devices (e.g. 6270, Symphony) is independent of keyboards and does not affect the number of standard keyboards that the system can support. • AUI devices must be set for address 1, 2, 5**, or 6** depending on which unit is enabled in field *189. ** VISTA-20P Series • Use AUI devices at the following speeds: 6270 Series version 1.1.175 or higher. Connect the data-in/data-out terminals and voltage input

terminals of the communication device to the connection points of the control keyboard. Set the address of the device to 03 according to the instructions given to the device. • Use a compatible communication device (e.g. 7845GSM, 7845i-GSM). TOTAL POWER PULLED BY ALL DEVICES CONNECTED TO A SINGLE WIRE RUN AR ME D RE AD Y 4 7 OF F 2 5 8 0 MA X AW AY 3 6 9 # INST ANT TES T STA Y BYP REA CO DE ASS DY CH IME Communication Device (Long Range Radio) Connections Wire Run Chart for Devices* + & amp; 12V-) Wire size #22 #20 #18 #16 50 mA or less 900 ft (274m) 1400 ft (427m) 1500 ft (457m) 1500 ft (107m) 700 ft (213m) 1100 ft (335m) 1500 ft (457m) 300 mA 150 ft (46m) 240 ft (73m) 350 ft (107m) 550 ft (107m) 550 ft (107m) 550 ft (23m) 120 ft (37m) 170 ft (52m) 270 ft (82m) * * , RF receivers, zone expansion/relay units, 4286 telephone module and communication device. Maximum wire lengths for any device that is home to control can also be determined from the Wiring Run Chart, based on the current draw of that device only. The length of all wire runs for both partitions combined should not exceed 1500 feet (457m) when unshielded guad conductor cable is used (750 feet as shielded cable is used). This limitation is due to the capacitive effect on the data lines when quad cable is used. Table of Device RF Receiver AUI 1 AUI 2 AUI 3 (VISTA-20P Series) AUI 4 (VISTA-20P Series) Communication Device (LRR) 4286 Voice Module Zone Expanders (4219/4229): Module 1 (for Zones 09 -16) Module 2 (for Zones 17 - 24) module 3 (for zones 25 - 32) module 4 zones 33 - 40 module 5 zones 41 - 48 Relay Modules (4204): module 3 (for zones 41 - 48 Relay Modules (4204): module 3 (for zones 41 - 48 Relay Modules (4204): module 4 Keyboard 5 keyboard 5 keyboard 5 keyboard 5 keyboard 5 keyboard 7 keyboard 8 RIS Communication 5 800TM enable field * 189 enabled for AUI 2 automatically as AUI enabled for AUI 3 automatically if the phone module passcode field *28 enabled *56 zone programming: type of entry 2, then: automatically set as zone No. 9-16 as AW type or relay automatic as zone no. 17-24 set as AW type or relay assigned automatic as zone number 25-32 set as AW type or relay assigned automatic as zone number 41-48 is set as AW type or relay assigned automatic as zone number 25-32 set as AW type or relay automatic as zone number 41-48 is set as AW type or relay assigned automatic as zone number 41-48 is set as AW type or relay assigned * 79 output device programming: Device address prompt: entered on device address prompt entered at device address prompt entered at device address prompt entered at device address prompt data field rogramming as stated below: Always enabled for partition 1, all sounds enabled. data field *190 data field *191 data field *192 data field *193 data field *194 data field *195 data field *195 data field *196 automatic automatic ** address 07 not available as zone-doubling enabled † 4219/4229 addresses 14-15 apply to the VISTA-20P. †† Addressable devices are identified by 1 plus the device address when reporting. Enter report code for zone 91 to enable addressable device reporting (default = reports enabled). For addressable device, see field *199 3-digit/2-digit identification keyboard display options. 2-5 Installation and installation guide hardwire zones and zone extension hardline zones Normally open zones/N.O. EOLR Zones 1. Connect open circuit devices parallel to the loop; for EOLR zones, connect the EOLR to the loop wires of the last device. 2. Normally enable open/EOLR zones with zone programming mode, prompt Hardwire Type. Normally closed zones/N.C. EOLR Zones 1. Connect closed circuits in series to the high (+) side of the loop; for EOLR zones, connect the EOLR in series after the last device. 2. Enable normally closed/EOLR zones with zone programming mode, prompt Hardwire Type. End of line resistor (EOLR) Notes • If the EOLR is not properly monitored and the system may not respond to an open area. • Zone 1 is only intended for EOLR. HI LO zones-001-V0 UL For UL commercial burglar alarm systems, use EOLR zones. Double-balanced zones (V20P only) Connect as shown below (resistance to one device). IMPORTANT: Double-balanced zones provide protection against zone manipulation and should only be used as intrusion zones. Do not use double-balanced zones as a fire zone. 12 13 14 2k TAMPER CONTACTS 2k 2k TAMPER CONTACTS 2k Zone Doubling (V20P only) Fig. 7. Typical Double Balanced Zones for each standard wired zone connected to the control terminals (but does not increase the total number of zones supported by the control). If this option is enabled (zone programming mode, prompt Hardwire Type, option 3), hardwire zones are automatically linked as shown in the table. Connect as pictured (resistances). • Do not use zone duplication for fire zones. NOTE: A short on the EOL (i.e. at terminal) on either zone-doubled pair or on a double-balanced zone causes a sabotage state (shown as CHECK plus zone numbers). 10 ZONE 2 3k 3k 2k ZONE 4 11 ZONE 10 6.2k Fig. 8. Typical zone doubling table zone in combination with zone 2 10 3 11 4 12 5 13 6 14 7 15 8 16 NOTE: Zone numbers used for zone doubling cannot be used for anything else (for example. cannot be used for 4219 zones) Smoke detectors TO ZONE 1 TERMINALS LO ZONE 1 HI 2-6 5806-001-V0 2-WIRE SMOKE DETECTOR 8 9 1. Connect up to 16 (10, if used clean me option) 2-wire smoke detectors over zone 1 terminals 8 (+) and 9 (-) as shown in the summary connections diagram on the back of this manual. Note the correct polarity when connecting the detectors. 2. Connect an EOL resistance over the loop wires on the last detectors (number of detectors depends on detector flow pulling) to a zone of 2-8, as shown in figures 9a and 9b (on the next page). Power Reset: This control does not automatically reset the flow to 4-wire smoke detector zones, so you'll need to use a relay (for example, 4204, 4229) or an on-board trigger to reset the flow (also required for burn verification). Do this by programming the designated relay/trigger as zone type 54 (fire zone reset); For other information, see The On-Board Trigger section. NOTE: Maximum current on trigger 17 is 100mA. zone-002-V0 Assembly and wiring of the Control Smoke Detector Notes • Fire verification (zone type 16): The control panel verifies a fire alarm by resetting the smoke detector or thermostat is not reactivated, the control will ignore the first trigger and no alarm signal will occur. This feature eliminates false alarms due to electrical or physical passers-by. SIA installations: If you are using fire verification in areas other than zone 1, the relay accessories listed in ul fire alarm must be used to reset the flow as described in the Power Reset paragraph above. • The alarm current of zone 1 supports only one smoke detector in the alarmed state. • Clean Me Option: When enabled (field *174 = 1; *56 zone programming, response time prompt = 3), send certain ESL smoke detectors clean me reports as appropriate. When used, the maximum number of detectors is reduced to 10 (not standard 16). For information about compatibility with the clean-me option, see the ESL documentation included with the smoke detectors. • Do not use smoke detectors with 4 wires in zone 1. + AUX PWR OUTPUT TERMINALS 5 RELAY PROGRAM RELAY AS ZONE TYPE 54 (FIRE ZONE RESET) 4 BLK + RED EOL POWER SUPERVISION RELAY MODULE EOLR-1. USE N.O. CONTACT, WHICH CLOSES WHEN POWER IS APPLIED. N.O. N.C. + SMOKE OR COMBUSTION ALARM CONTACT TEMPORARILY OPENS AT FIRE ALARM RESET VIOLET 2000 OHMS EOLR 4 WIRESMK-007-V1 TO ZONE TERM. (+) HEAT DETECTOR TO ZONE TERM. () Figure 9a. 4-Wire smoke detector using Relay for Power Reset AUX PWR (+) 5 BLK TO OUTPUT 17 () 17 FOR OUT NORM LOW = YES IN 79 MENU MODE AND AS ZONE TYPE 54 IN 80 MENU MODE + RED EOL POWER SUPERVISION RELAY MODULE EOLR-1. USE N.O. CONTACT, WHICH CLOSES WHEN POWER IS APPLIED. + 4-WIRE SMOKE OR COMBUSTION DETECTOR N.O. VIOLET 2000 OHMS EOLR TO ZONE TERM. () Figure 9b. 4-wire smoke detector with output 17 for Power Reset 4219/4229 Expansion Zones 1. Connect each module to the control's keyboard terminals and set the device addresses. See the table of device addresses to select a suitable address for each module. • VISTA-20P: Up to 16 expansion zones with up to 2 Zone Exp. Modules. 2. Connect sensors to the module's loops. See Figure 10 on the next page. • Use 1000 ohm end-of-line resistors at the end of loops connected to the 4219/4229 modules. (EOLRs used at control terminals are 2000 ohm.) • Expansion zones have a normal response time (300-500 msec), except for the zone connected to the A loop of each module, which can be set for rapid response (10-15 msec). 3. If you use the 4229 relays, connect the desired field wiring to the device's contact terminals. 4 wiresmk-008-V1 © © 2-7 Installation AND INSTALLATION DEDUCTION RELAY 2 4229 DIP SWITCH FOR SETTING ADDRESS AND ZONE A RESPONSE CAN BE USED TERMINALS ON CONTROL PANEL RELAY 1 NO C NC TAMPER JUMPER POSITION 4229 IN THE CABINET (DO NOT TAMPER) 4-PIN CONSOLE PLUG TB2 4 4 3 2 12 1 3 2 1 GRN DATA OUT (>) BLK RED (-) GROUND (TERM 7) (TERM 2 3 4 5 (+) 12VDC 2 Yoel DATA IN (Mounting and wiring of the Control Installing a 5800TM Module • Use this module only if you are using one or more wireless bi-directional keyboards or keyfobs with a wireless receiver; 5800TM is not necessary if you are using a Transceiver (e.g., 5883). • The 5800TM should be set to address 28 (cut red-W1 jumper). • The 5800TM can only be used in part 1. • For more information about the 5800TM, please refer to the instructions of the 5800TM. 1. Mount the 5800TM. 1. Mount the 5800TM. 1. Mount the 5800TM. 1. Connect the 5800TM to the control panel's connection terminals, as shown in the Connection Summary diagram, and set to address 28. • Check out the table of compatible devices on the back of this guide. • Supervised transmitters + send check-in signals to the receiver at 70-90 minute intervals. If each transmitter is within a period of 12 hours at least one check-in message has been received, the 'missing' transmitter number(s) and CHECK XX are displayed. († Handheld transmitters, e.g. 5802CP, 5804BD, 5827BD, do not send check-in signals.) • To ensure that the reception of the transmitter's signal at the proposed mounting location is sufficient, perform a Go/No Go test, described in the System Testing section. • Install transmitters according to the instructions that accompany each. • Set 5827, 5827BD, 5804BD wireless keyboards to the programmed House ID (field *24), using the DIP switches (5827) or follow the instructions given to the device. • Use *56 or *58 Zone Programming Menu modes to program zone information and enroll transmitters (VISTA-20P: zones 9-48, buttons 49-64; VISTA-15P: Zones 9-34, buttons 49-66). • Wireless Keys: Use the Wirel wireless keys used. Once a wireless key is registered, it must be assigned to a user before it becomes active. For the procedure, see Add/Remove Security Codes section. ULC NOTE: In accordance with ULC standards, the RF monitoring period for the VISTA-20PCN and VISTA-15PCN is three hours for Zone Type 9 and 16 (RLC) and 12 hours for all other zone types. Installation of ul transmitters The following transmitters are not intended for use in UL installations: 5802MN2, 5804, 5819WHS & amp; BRS and 5850. The 5827BD and 5800TM can be used in UL Listed Residential Burglar installations. Transmitter battery life • See wireless transmitter paragraph in the limitations of this alarm system statement located at the end of this guide for information on the life of the transmitters but non-replaceable batteries and no battery installation is required. At the end of their life, the entire unit must be replaced (and a new serial number registered by the control). • Button-type transmitters (such as 5801, 5802 and 5802CP) should be periodically tested for battery life. • The 5802MN and 5804 Button Transmitters (such as 5801, 5802 and 5802CP) should be periodically tested for battery life. programming the system. Batteries do not need to be removed after registration. 2-9 Installation Manual Installing a Keyswitch to the terminals (2-8) of a zone. Remove the 2000 ohm EOL resistance if connected in the selected zone. 2. Using a standard 4-wire keyboard cable as pictured: Close the yellow and white to activate connectorpin 3 (+12V). Connect the Red and Green LED wires to the correct 17/output connector pens. 3. Close a 2000 ohm EOL resistance over the short-lived switch. 4. You wire an optional emergency switch for closed circuits (model 112) in series with the zone. If the switchboard is then removed from the wall, Sabotage will open, disabling keyswitch operation until the system is opened when the system is next disarmed from the keyboard. If the sabotage is opened when the system is switched on, an alarm will occur. 8-PINS TRIGGER CONNECTOR KEY GREEN RED KEYSWITCH-001-V1 1 OUTPUT 17 (GEEL) 3 4 5 (GREEN) 6 7 8 (RED) OUTPUT 18 +12 AUX. STANDARD KEYBOARD CABLE 4146 KEYSWITCH (ARMED) RED YELLOW (READY) GREEN WHITE 820 OHM BLACK RED TAMPER SWITCH (N.C.) 820 ohm 11 TYPICAL ZONE ON CONTROL BOARD BROWN BROWN LOCK SWITCH (N. O.) BLUE BLUE 00-trigcon-004-V1 10 EOLR (use the correct value) Figure 12. Keyswitch Wiring Connections Keyswitch Notes UL A UL Listed keyswitch is required for fire installations and UL commercial and residential burglar alarm systems. The Ademco 4146 keyswitch is UL Listed keyswitch is used on: • an installation that emits opening and closing signals, the key switch zone must be programmed to send opening and closing signals. • an UL commercial burglar alarm system. This tamper switch zone should also be programmed for Zone Type 05 – Trouble by Day / Alarm by Night. • a fire alarm system, the key switch must be located next to an alphanumeric display keyboard. • Use 4146 keyswitch or an N.O. keys switch. • Use only one key switch, the zone to which it is connected is no longer available for use as a protection zone. • Use menu mode *56 to program the keyswitch zone and assign this type 77 zone. • Use *80 Menu mode to program the LED functions: program outputs 17 and 18 for system processing zone type 78 (red LED) as appropriate (see Output Device Programming section in the programming manual). 2-10 Assembly and wiring of the Control Connecting Relay Modules, Powerline Carrier Devices and Output Triggers 4204/4229 Modules Relay 1. Mount remotely or in the control panel. 2. Connect each module to the device addresses as previously described in the Connecting Keyboards and other addressable devices section. Use the connector harness that comes with the module. Use standard 4-conductor twisted cable for long wiring runs. VISTA-20P: Up to 16 relays (if no powerline carrier devices are used) 3. Connect the desired field wiring to the device's contact terminals. DIP SWITCH FOR SETTING DEVICE ADDRESS AND ENABLING/DISABLING TAMPER COVER TAMPER (REED) SWITCH 4-PIN TOUCHPAD PLUG EITHER OR BOTH USED TB1 13 14 15 16 YEL BLK GRN RED DATA IN FROM CONTROL (+) 12V 4204 CONN-1-V0 TYPICALLY (SHOWN FROM) RELAY 4 10 11 12 4204 RELAY C NC N NC NO NC NO NO NO TB2 UL 1 FIGURE 13. 4204 Connections to Powerline Carrier Devices and the 1361X10 1361X10 are not UL listed for fire or burglary functions and are intended for home automation. • Supervision: 4204 and 4229 modules are supervised against removal. The module's device address is displayed as follows if a module is disconnected from the control terminals, or if the module cover is removed and the tamper jumper is installed: Alpha: CHECK xx Wire Expansion FAULT xx Wire Expansion FAULT xx Wire Expansion Fixed-Glass: lxx (or 91 if field *199 set for 2-digit display) is the module's address. • If there is a communication/sabotage failure on a device with zones connected to it, all zones on the device are displayed in their respective partitions. 1. Install the powerline carrier devices according to the instructions provided at each. VISTA-20P: Up to 16 devices (if no relays are used) VISTA-15P: Up to 8 devices (if no relays are used) 2. Use programming mode to enter the device ID in the data field*27 and enter the unit code using menu mode *79 Output Device. 3. See the connection for connecting the transformer 1361X10 to the triggers. • You should use a 1361X10 Transformer instead of the 1321 Transformer. • The 1361X10 Transformer delivers AC to the control panel and also delivers signals from the control panel through local ac wiring to the Powerline Carrier devices perform different functions in response to commands you enter on the security system keyboards. Canada: Use the PSC04 Powerline Interface as shown below. 8-PINS TRIGGER CONNECTOR KEY 1 3 4 5 6 7 8 (ORANGE) (YELLOW) (PURPLE) (BLUE) (RED) OUTPUT 18 X-10 PSC04 POWERLINE INTERFACE +12 AUX. GND (-) DATA SYNC COM 1234 SA4120XM-1 CABLE SYNC BLK GRN COM RED DATA YEL MODULAR PHONE CORD (not included) 1 - BLACK 2 - RED 3 - GREEN 4 - YELLOW Figure 14. PSC04 Powerline Interface Connections 1 2 3 For UL installation requirements, please refer to the installation instructions for the 4204. 3 RELAY 2 RELAY 4 5 6 7 8 9 2-11 Installation and Installation Guide On-Board Triggers Connect field wiring to the desired trigger pin on the 8-pin trigger connector centrally above the terminal strip. • Use the SA4120XM-1 cable (part of 4120TR Trigger Cable) when using 1361X10 transformer and powerline carrier devices. See 1361X10 in the AC, battery and ground connections section for transformer connections. • If you only use the on-board triggers, you use a 4-wire cable (N4632-4, not included) as shown below. 8-PIN TRIGGER CONNECTOR KEY 1 3 4 5 6 7 1 3 4 5 6 7 8 OUTPUT 17 (YELLOW) (ORANGE) (PURPLE) (BLACK) OUTPUT 17 OUTPUT 18 +12 AUX. SND (-) DATA SYNC COM OUTPUT 18 +12 AUX. SND (-GREEN) (RED) (use • Trigger outputs are normally high, and go low on programmed state. • The outputs can be programmed for reverse operation (normally low, go high) using *79 Menu mode. • Program these triggers with *80/*81 Menu modes as you would for any other relay output. • When using these outputs, pay attention: pin 1 = output number 17 (trigger 1): 15 ohm on the ground when closed (output low), open when switched off (output high, normal standard); can be used to reset the power usage of smoke detectors (must set output normal low = yes in *79 Menu mode and set for zone type 54, fire zone reset, in *80 Menu mode); or may support 12V relay module (e.g. Altronix) AX-RBS) that attracts less than 100mA pin 5 = output number 18 (trigger 2): 100 ohm to the ground when closed (output layer); open at off (output layer); open at off (output high, normal standard); or can support 12V relay module that pulls less than 20mA UL If the on-board triggers are used, the wiring between the control unit and the UL device must be in pipe, be no more than 3 meters apart and have no intermediate barriers or walls. 2-12 Assembly and wiring of the Connections Phone Line Connect incoming phone line and handset wiring to the main terminal block (via an RJ31X connection) as shown in the summary connections diagram on the back of this manual. Wire colors represent the colors of the cable to the RJ31X connection. 1. Make 12V (+) and (-) and data-in connector cable in the phone module header. 2. Connect Phone Module terminals as shown below. Use an RJ31X connector with a direct cond and make all connections exactly as shown. 3. Caller ID units: If a caller ID unit is used, connect the device directly to the Handset terminals (21 & amp; 22) on the control, as shown. G HANDSET TELCO LINE GROUND 4286 Phone Module GREEN (TIP) RED (RING) (RING) (TIP) UL 12345 6 7 4286 VIP MODULE BROWN (T) GREY (R) The 4286 modules are UL listed only for use on residential fire and UL residential burglar alarm installations. IMPORTANT NOTE FOR EXISTING INSTALLATIONS: EXISTING WIRES CONNECTED TO THE HANDSET TERMINALS ON THE MUST BE MOVED FROM THERE TO TERMINALS 3 AND 4 ON THE 4286. DIRECT CONNECT CORD RING TIP TIP Compatibility: 4286 Phone Modules must have software version WA428615.1 or later (see the label on the square 4286 microprocessor chip). { { TERMINALS ON CONTROL CALLER ID UNIT 21 22 23 24 25 TO EARTH GROUND (COLD WATER PIPE, ETC.) INCOMING TELCO LINE RJ31X JACK CA38A IN CANADA PLUG PLUG ANSWERER AND TELEPHONE ANSWERING MACHINE * LOUDER * VOLUME KEYED HEADUSED YELLOW: TO ISSUE DATA (TERM. 7) NO CONNECTION RED: TO AUX (+) (TERM. 5) BLACK: TO AUX. GROUND (-) (TERM.4) GREEN: TO DATA IN (TERM. 6) TO CONTROL PANEL TERMINALS USED FOR KEYBOARD CONNECTIONS * NOTE: IF THE PHONE HAS A BUILT-IN CALLER ID, THE CALLER ID FEATURE MAY NOT WORK. 4286 TERMINAL COMMANDS 1 - TIP PHONE INPUT 2 - RING 3 - TIP PHONE OUTPUT 4 - RING 5 - NO CONNECTION 6AUDIO FROM 7- } FIGURE 16. 4286 Wiring Connections telephone module can be used and can only be connected to partition 1. • The telephone lines must be in use to make the phone module function, even when accessing the system from an on-premises phone. • If you are also using an Audio Alarm Verification (AAV) unit, see the Audio Alarm Verification (AAV) section for special wiring connections. NOTE: To reduce the risk of fire, use only number 26 AWG or larger telecommunications line cord for telephone line connections. Phone module problems If no touch tones are produced after access to the on-premises security system (this issue may occur in rare cases), it may be necessary to reverse the wires connected to terminals 3 and 4 on the phone module and the wires connected to terminals (21) & amp; (22) on the operation. The wiring diagram shows the wiring connections that in most cases provide the correct operation. Connecting to the incoming telco line via an RJ31X connection and direct-connect cord, as shown, is essential even if the system is not connected to a central station. The 4286 will not function if this is not done and an error signal (quickly busy signal) will occur when trying to open the system over the phone. The telephone lines of the house (grey and brown wires) must be connected to the telephone module terminals. Otherwise, an error signal (quickly busy signal) occurs when you try to open the system from an on-premises phone. 4286_cntrl-001-V1 connector with FLYING LEADS } } 2-13 Installation and Installation Guide Audio Alarm Verification Connections (UVS System) Using the UVS system provides audio alarm authentication over the telephone line. • Check the connection schedules below. One diagram shows connections when a 4286 phone module is used, the other diagram shows connections when the 4286 is not used. • Connections use one of the on-board triggers. • Set field *91 for AAV and program the correct output (output 17 or 18) with *80 select zone type 60 and output action 1 (close for 2 seconds). • For voice session monitoring, connect an EOLR zone to UVCM module terminals 6 & amp; 7 and program the zone as zone type 81 (*56 Menu mode). For example, Using output 18 for the trigger, program an output function in * 80 Menu mode if: ZT = 60, P = 0, Action = 1, Device = 18 • Suggested AAV Module: ADEMCO UVS (shown) or Eagle Eagle UL UL installations with the AAV function should use the ADEMCO UVCM module (part of the ADEMCO UVS system). TRIGGER CONNECTOR 5 OUTPUT 18 CONTROL AUXILIARY AUDIO LEVEL ADJUSTMENT TRIM POT 4 5 ZONE TERMINALS 21 22 23 24 25 EARTH GROUND SND +12VDC EOL RING TIP RED (R) GREEN (T) GRAY (R) BROWN (T) 2 2 2 9 30 31 32 33 34 UVCM MODULE RJ31X 1 2 3 4 5 6 7 8 SWITCH BANK 2 9 10 11 NOTE: CONSULT UVCM MODULE INSTRUCTIONS FOR CONNECTIONS TO AUDIO SPEAKERS AND MICROPHONE. OPTIONAL SURVEILLANCE ZONE CONNECTIONS TO AUDIO SPEAKERS AND MICROPHONE. OUT OF 2 = OUT OF 3 = OUT OF 3 = OUT OF 5 = OUT OF 6 = OUT OF 7 = OUT OF 7 = OUT OF 8 = ON 3 = OUT 4 = ON 5 = ON 6 = ON 7 = ON 8 = ON 7 = ON 8 18 TRIGGER CONNECTOR CONTROL AUXILIARY AUDIO LEVEL ADJUSTMENT TRIM POT 4 GND +12VDC ZONE TERMINALS 21 22 23 24 25 5 EOL RING TIP RED (R) GRAY (R R) OPTIONAL MONITORING ZONE CONNECTION (USE ZONE TYPE 81) BROWN (T) TIP 29 30 31 32 33 34 UVCM MODULE RING 1 2 3 4 5 6 7 8 SWITCH BANK 2 NOTE: CONSULT UVCM MODULE INSTRUCTIONS FOR CONNECTIONS TO AUDIO SPEAKERS AND MICROPHONE. SWITCH BANK 1 1 = OFF 2 = OUT OF 3 = OUT OF 4 = OUT OF 5 = OUT OF 6 = 7 = OUT OF 8 = ON SWITCH BANK 2 1 = ON 2 = OUT 3 = OUT 4 = ON 5 = ON 6 = ON 7 = ON 8 = ON 9 10 11 TO LOCAL HANDSET INCOMING TELEPHONE LINE 1 2 3 4 5 6 7 8 SWITCH BANK 1 FALLING VOICE TRIG 5 6 7 8 4286 4 aav uvcm-004-V1 3 4 GND +12VDC IN 3 2 1 ON Figure 17b. Connection of AAV Unit When using a 4286 Phone Module 2-14 1 2 aav uvcm-003-V0 GND ON 1 2 3 4 5 6 8 EARTH GROUND RJ3 1X Assembly and Bed the Control Audio Alarm Verification Connections (AVS System) Using the AVS system with AVS module and AVST external drives The AVS system with AVS module and AVST external drives. See the instructions of the AVS system for installation procedures. The following is a summary. Mounting the AVS Base Unit As shipped, the AVS Base unit board comes pre-assembled on the mounting bracket, which is designed to mount in the steering box. SAFE WITH TWO (2) See the diagram on the right. SELF-TAPPING SCREWS (SUPPLIED) A. Place the mounting plate/PC board mount in the bottom of the steering cabinet. CABINET SYSTEM TIE-WRAP BATTERY B. Slide the mounting plate to the right of the LOOP so that the left TANG pliers of the plate slide under the tieBENEATH MOUNTING loop of the case. PLATE c. Attach the assembly to the sliding assembly of the cabinet to the right until pliers slips under cabinet loop using the two self-tapping screws provided. ON 1 2 3 4 1 2 3 4 5 AVS-003-V0 BATTERY NOTE: When using a 7AH mount the battery vertically on the left side of the cabinet, with the terminals facing downwards and (negative terminal closest to the PC board bracket). Wiring the AVS to the Control The AVS Base unit board has several terminal blocks for making connections to external stations, phone lines, and the control's ECP terminals, with all other ECP devices connecting to the AVS base unit's ECP terminals. See the diagram on the next page for specific wiring connections. DIP switch: Set the AVS DIP switch to the correct address (V15P = 08; V20P = 11). IMPORTANT: The AVS must be the only ECP devices (keyboards, expander modules, etc.) to the ECP terminals on the AVS board. Connecting an optional GSMV Module a. If you use a GSMV module for 2-way voice control, install the module according to the instructions. NOTE: The module must be mounted within three metres of the handlebar. B. Connect the GSMV module audio cable to the audio connector on the AVS board. The audio cable comes with the GSMV module. c. Complete all other GSMV wiring according to the instructions of that module. Below is an overview of avs editing programming steps (see the programming steps): a. Install the AVS module according to the instructions. B. Use one of the control control's AVS Quick Program commands as follows: • installer code + [#] + 03: Enable AVS operation without panel sounds on the AVST • installer code + [#] + 04: Enable AVS operation and switch off panel sound and on the AVST in AVST speaker • installer code + [#] + 05: Remove all programming options set by [#] + 03 quick command • installer code + [#] + 06: Remove all programming options set by [#] + 04 quick command c. Use data field *55 Dynamic Signaling Priority to select the reporting paths you want. 2-15 INSTALLATION GUIDE TIP 4 5 3 6 7 RINGRING RINGPANDEN RJ31X 2 INCOMING TELCO 1 DIRECT CONNECT CORD VISTA SERIES RESIDENTIAL CONTROL PAD GRN RED GRY BRN TRIGGER HEADER 2 1 2 3 4 5 6 7 8 HANDSET 8 (RING) GND AUX IN DATA DATA OUT AVST STATION GRN RED BLK YEL LED SPEAKERS VOLUME / ID BUTTON IMPORTANT: DO NOT CONNECT OTHER ECP DEVICES TO PANEL. USE AVS BASE UNIT ECP TERMINALS FOR OTHER ECP DEVICES. INCLUDED HARNESS AAV YEL GRN DATA AUDIO GND +VDC KEYPAD MIC BLK RED AUDIO CABLE TB 1 1 2 3 4 5 6 7 8 9 10 11 ECP CONNECTION also requires AVS BASE UNIT (200 FT. MAX) LED GSMV (OPTIONAL) PROGRAM MODE CALLBACK MODE ON PHONE DIP SW ON (TIP) 1 2 3 4 1 2 3 4 5 5 5 PANEL TRIGGER MODE DEVICE ADDRESS (ADDRESS 8 SHOWN) HANDSET RING TIP GRY BRN BASE UNIT DEVICE ADDRESS VISTA-15P = 8 ON NORMAL MODE GEBRUIKT AUDIO CONNECTOR INKOMENDE TELEFOONLIJN TIP RING AAV PANEL ECP RED BLK GRN YEL RED BLK GRN YEL RED BLK GRN YEL RED BLK GRN YEL 1 2 3 4 5 BATTERIJ VISTA-20P = 11 OP ALLE ANDERE ECP-APPARATEN 1 2 3 4 5 (RING) ECP-TERMINALS INKOMENDE TELEFOON TELEFOON TELEFOON TELEFOON Figure 18. Connections for the AVS System 2-16 (EARTH GND (TIP) GSM GPPS WEB MODE 2 MODE 1 RSSI AVS-001-V0 S E C T I O N 3 System Communication and Operation Panel Communication with Central Station. The process of a successful transmission consists of both the mode of communication between the control panel and the receiver of the Central Station; and the way the information is sent and displayed at Central Station. When the panel calls the Central Station receiver, it waits to hear a handshake frequency from the receiver to confirm that the receiver his message. As soon as the panel hears the handshake it is programmed to listen to, it sends its message. The panel then waits for a kissoff frequency from the recipient recognizing that the message was received and understood. If the handshake frequency is not given or is not understood by the panel, the panel, the panel, the panel will not send its message. Once the handshake frequency is received and understood by the panel, the panel sends its message. If there is an error in the transmission (the receiver does not receive a valid message), the kissoff frequency is not given by the Central Station receiver. The panel makes a total of eight attempts to get the secondary phone number (if programmed) to a valid message. If the panel is unsuccessful after many attempts, the keyboard gives COMM. FAILURE (on alpha keyboards) or FC (on fixed word keys) again. Report code formats The following chart shows the types of (handshake/kissoff) frequencies that the panel supports and the different formats that can be sent with each diagram. FORMAT Low speed 3+1, 4+1, 4+2 Sescoa/Rad 3+1, 4+1, 4+2 Express 4+2 Contact ID HANDSHAKE 1400 Hz 2300 Hz 1400-2300 Hz 1400-2300 Hz SENDS DATA 1900Hz (10PPS) 1800Hz (20PPS) DT MF (10 cps) KISSOFF 1400 Hz 2300 Hz 1400 Hz Under 3 seconds The following table describes each format in more detail. FORMAT TYPE DESCRIPTION 3+1 and 4+1 Extended formats 3+1 and 4+1 Extended formats 3+1 and 4+1 Extended formats 4+2 Format ADEMCO Contact ID Reporting Format Consists of a 3- (or 4) digit number and a single-digit report code (e.g. alarm, problem, recovery, opening, closing, etc.). Consists of a 3- (or 4-) digit number and a double-digit report code. The first digit appears on the first line. On the second digit. This is the comprehensive figure. Exists a 4-digit subscriber number and 2-digit report code. Consists of a 4- or 10-digit subscriber number (depending on the format selected), a 1-digit event qualification event qualification of 'herstellen'), gebeurteniscode van drie cijfers en 3-cijferig zonenummer (zie de volgende pagina). 3-1 Installation and Setup Guide The following table lists codes for reports sent in different formats: Type of Report Alarm Trouble Bypass AC Loss Low Batt Open Close Test Restore Alarm AC Restore LoBat Res. Trouble Res. Bypass Res. Code for 3+1/4+1 Standard SSS(S) A A AAA(A) Z SSS(S) T TTT(T) t SSS(S) B BBB(B) b SSS(S) E EEE(E) AC SSS(S) L LLL(L) LB SSS(S) O OOO(O) U SSS(S) C CCC(C) U SSS(S) G GGG(G)g SSS(S) R RRR(R) Z SSS(S) RA RARARA(RA)Ac SSS(S) RL RLRL(RL)LB SSS(S) RT RTRTRT (RT)t SSS(S) RB RBRBRB (RB)b Code for 4+2 SSS AZ SSSS Tt SSS Bb SSSS EAC SSS LLB SSSS OU SSSS CU SSSS Gg SSSS RZ SSSSRA Ac SSSS RLLB SSSS RTt SSSS RBb Waar: SSS of SSSS = A = Z = Tt = Bb = Subscriber ID Alarm Code-1e cijfer Typisch Zone Number*-2e cijfer Trouble Code (1e & amp; 2e cijfer) Bypass Code (1e & amp; 2e cijfer) EAC = AC Loss Code (1e & amp; 2e cijfer) LLB = Low Battery Code (1e & amp; 2e cijfer) O = Open Code-1e Cijfer *Zonenummers voor: & amp; #, of B = 99; 1 + ,, of A = 95; 3 + #, of C = 96; Duress = 92 RBb = Restore Code (Byps) 1e & amp; 2e cijfer RAAC = Herstelcode (AC) 1e & amp; 2e cijfer RLLB = Herstelcode (Bat) 1e & amp; 2e cijfers C = U = Gg = R = RTt = Sluit Code-1e Cijfer Gebruikersnummer (in hex Testcode (1e & amp; 2e cijfer) Herstelcode (Alarm) Herstelcode (Trbl) 1e & amp; 2e cijfer 3-2 Systeemcommunicatie Ademco Contact ID® De ('nieuw' of 'herstellen'). 3-cijferige gebeurteniscode. 2-cijferige partitienummer 3-cijferig zonenummer, gebruikersnummer of systeemstatusnummer (zie de volgende pagina). Ademco Contact ID® Reporting neemt de volgende indeling aan: CCCC(CCCCC) Q EEE GG ZZZ waar: CCCC(CCCCCC) = Customer (subscriber) ID Q = Event qualifier, where: E = new event, and R = restore EEE = Event code (3 hexadecimal digits) Note: For a complete list of event codes, refer to the central office receiver manual. GG = Partitienummer (systeemberichten tonen 00) ZZZ = Zone/contact ID-nummer dat het alarm meldt, of gebruikersnummer voor open/close rapporten. Systeemstatusberichten (AC Loss, Walk Test, enz.) bevatten nullen op de ZZZ-locatie. TABEL VAN CONTACT ID EVENT CODES (sommige gebeurteniscodes zijn mogelijk niet van toepassing op bepaalde bedieningspanelen) Code 110 121 122 123 131 132 134 135 143 145 146 150 150 162 301 302 305 321 333 341 344 351 353 373 374 380 Definitie Brandalarmd.alarm, 24-uurs stil alarm, 24-uurs hoorbaar alarm, Perimeter Alarm, Interieur Alarm, Interieur Alarm, er interieur Alarm, Interieur Alarm, Interieur Alarm, 24-hour help/monitor assist/monitor Carbon Monoxide AC Power Low System Battery/Battery Test Fail System Reset (Log only) Bell/Siren Trouble, Expansion Mod. Surveillance Problem, ECP Cover Tamper RF Receiver Jam Telco Line Fault Long Range Radio Trouble Fire Loop Trouble Exit Error Alarm Global Trouble, Trouble Day/Night Code 381 382 383 384 393 401 403 406 407 408 409 441 442 455 459 570 1 601 602 606 607 623 625 627 628 642 750 789 Definition RF Sensor Surveillance Auxiliary Zone RF Sensor Low-battery Clean Me Disarmed, Armed AWAY, Armed MAXIMUM SCHEDULE Arm/Disarm ROAD Cancellation by User Remote Arm/Disarm ROAD Cance Arm STAY/INSTANT Keyswitch Arm/Disarm STAY Planned Arm Fail Recent Closure (SIA Panels Only) Bypass Manually Triggered Dialer Test Periodic Test AAV to Follow Walk Test Entered/Exited Event Log 80% Full Real-Time Clock is Changed (log only) Program Mode Entry (log only) Program Mode Exit (log only) using these codes) 3-3 Installation and Setup Guide Uploading/download over the internet/UL: Up/download over the Internet/intranet communication device, supports the programming capabilities for internet upload/download over the AlarmNet network or, depending on the communication module used, a private network for local areas (intranet). This allows the maintenance of the site worldwide over the Internet. Depending on the module used, the internet connection is from the secure area via a fast (broadband) cable or telephone service, or via the mobile/GPRS digital mobile network (GSM modules). Please refer to the instructions of the communication module for information. The System Requirements table below shows two sets of system requirements, depending on whether you plan to communicate over the Internet or if you communicate through a private lan (intranet). Compatible communication modules: The following modules may also support internet uploading/downloading; refer to the instructions of the compatibility module. Compatible modules: 7845i-ent, 7845i-GSM, 7845GSM System Requirements Internet Communication At the Installation Site: • Appropriate Internet Communication Modules) • Broadband (Cable/DSL) Modem (for wired modules) • Broadband (cable/DSL) Router (for wired modules) if you connect more than one device to the Internet) • IP-compatible control panel at the Download Office: • Broadband (broadband (broadband (broadband (cable/DSL) Router (optional, if you connect more than one device to the Internet) • Version with Compass Download software with computer version that supports internet upload/download for this control. Intranet (Private LAN) Communication, if applicable* On the installation site: • Internet/Intranet Communication Module • 7720P Programmer • Ethernet network connection • IP-compatible Control Panel At the Download Office: • 7810iR-ent IP receiver • Internal Router • Computer(s) with the following software: - Version of Compass Download software that supports IP upload/download for this control. - Compass Connect Control Server Application * see the instructions of the lan applicability module (ex. 7845i-ent supports LAN) NOTE: Compass, compass, compass data server and Compass Connect Control Server applications can all be installed on the same computer if desired. If they are installed on a single computer must have a fixed IP address. To set up the control panel, do the following: 1. Connect the module to the control panel's (KEYPAD) ECP terminals. 2. Internet users: For wired modules, connect the module to the Internet via a cable/DSL modem and router. Intranet users: Connect the module in the control panel (using *29 Menu mode) to enable alarm reporting and module monitoring. 4. Using the module's programming menus (via *29 Menu mode or 7720P programmer), program the module if necessary. 5. Register the module at AlarmNet. The module at AlarmNet. The module at AlarmNet. The module at AlarmNet. computer to the Internet and start the Compass download software. 2. Open the control account, then select the Connect button. 3. On the connect screen, verify that the MAC address of the control has been entered and the TCP/IP check box is selected. 4. Click Connect. The internet connection with the control is automatically done via AlarmNet. 5. Use Compass's download software as soon as it is connected, normally to perform upload/download functions. 3-4 System Operation System Security Codes The systems provide one installer code, one System Master code, plus a set of other user codes intended for other users of the system. These codes can be assigned each one of the 5 authority levels, which determine which functions each code can perform as stated in the Table. VISTA-20P: Provides 48 security codes (plus installer code), including one System Master code, two Partition Master codes, and 45 general user codes. VISTA-15P: Provides 32 security codes (plus installer code), A System Master code and 31 general user codes. Authority levels (can only be assigned to users 03-49; users 1 and 2 cannot be changed) Level Installer User No. 01 functions (default=4112) perform all security functions except that they can only disarm if they are used to arm; can enter program mode; may change system master code; can't assign other user codes NOTE: For security purposes, the factory's default installation code must be changed. (standard 1234) only one system master code per system; can perform all security features, add/remove users in a partition, change system master code, view event log, set system clock, program keyboard macro, program scheduled events, activate output devices (triggers/relays) VISTA-20P. The same as Master, with the exception of add/delete users limited to assigned partition only, (these users can be assigned different authority levels, if desired; each user can be assigned the partition master authority level) to perform security functions (arm, disarm, etc.) only; can't add/remove users, view event log, set system only if the system is used to deploy the system and perform security features, but also silently sends a coercive message to the central station; reports as coercive code user number. VISTA-20P. See partition model paragraph above; used to assign other user numbers as partition master 02 Partition Master P1 = 03 P2 = 33 33 1 03-0349 (V20P) 03-33 (V15P) see user see user see user see user see user see the user's guide for detailed procedures for adding/removing security codes and modifying user characteristics. The following is a short description of adding user code: Installer code + [8] + 02 + new code user code: Master code + [8] + 2-digit user no. + user code Removing a user code: Master code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user no. + [#] [0] Assign Characteristics: Main code + [8] + 2-digit user 3 = Active partition(s) 1, 2, 3 (common) for this user; Enter partitions in succession if there are more one and press [#] to end the items. 4 = RF zone No. Assigns user number to arm/disarm button type zone (keyfob must be enrolled in the system first; see Wireless Key Templates section in the programming manual). 5 = Open/Close Paging 1 for yes, 0 for no 3-5 Installation Guide Keyboard features, please refer to the user manual. See the individual keypad for touchscreen-style keypad users touchscreen-style Screen keypad (AUI) User Manual. Voice Keypads The 6150V/6160V Voice Keypads offer the following features: • Message Center, which allows the user to record and play one message. • Speech status, which can alert users to opening doors/windows while the system is disarmed. Please refer to the user's guide for specific procedures for activating and using these features. Keypad Command's Function Silence Burglary Alarms Silence Fire or Carbon Monoxide Alarms Ouick Arm Single-Button Arming Alarm Memory Arming Away Description Pressing a key will dampen the keyboard sound for 10 seconds. The dismantling of the system (security code + EX) silences both keyboard and external sound system. The detector that sounds stops when the contaminated air is removed from the detector; see the detector's instructions for more information. If enabled (field *21), press [#] instead of the system's security code, plus the desired arming key (Absent, Stay, Instant, Maximum) If programmed (*57 Feature Key menu mode), lettered keys A-D can be used for arming, using options 3-AWAY, 4-STAY, 5-NIGHT-STAY, or 6-Step-Arming If used, no security code is required to arm the system. When the system is disabled, zones that were in an alert state during the armed period are displayed. To clear this screen, repeat the disarm order (enter the security code and press the correct letters on the keyboards (see Single-Button Arming above). If the Auto-Stay Arm feature is turned on (field *84) and the entry and exit door is not opened and closed within the programmed output delay time, the system automatically switches to STAY mode when turned on from a wired keyboard (non-RF device). If the door is opened and closed within the exit period, the system will work in OFF mode. Enter code + STAY [3] or simply press the correct key on the keyboards (see Single-Button Arming above). Enter code + STAY [3] + STAY [3] or simply press the correct letters on the keyboards (see Single-Button Arming above). Enter code + OUT [1]. If the import delay or alarm is active, you do not need to press OUT. Enter code + BYPASS [6] + zone number(s). To automatically bypass all faulty zones, use the Quick Bypass method. Enter code + BYPASS + [#], wait for all open zones to appear. Arm when the display indicates ZONE BYPASSED and READY TO ARM. Enter code + CHIME [9]. To turn off the chime, enter code + CHIME again. As relay outputs (via (via 4204, or 4229), or Powerline Carrier devices are used, two keyboard items available to the user are included. If programmed, these entries can be used to manually activate or deactivate the device(s) for the start or stop of certain actions, such as turning lights on or off, etc. These keyboard entries are: [Security code] + # + 8 + [2-digit device #] deactivates (stops) that device. Start) that device #] deactivates (stops) that Arming Maximum Disarmament Bypassing Zones Forced (Quick) Bypass Chime Mode Activate Output Devices 3-6 System Operation SUMMARY OF ARMING MODES Arming Mode Entry Delay Yes Yes Yes Yes Yes No Only those zones list No Yes INSTANT MAXIMUM Yes No Yes Panic Keys There are three Panic keys (A, B, and C) which, if programmed, can be programmed for 24-hour Silent, 24-hour Audible, Fire, or Personal Emergency responses. The programmed panic response is triggered when the correct key is pressed for at least 2 seconds. The Panic keys are identified by the system as follows: Keys [A] (*/1) * [B] (*/#) * [C] (3/#) Displayed as Zone 95 99 96 IMPORTANT: For a Silent Panic Function (if programmed) you need a report code for the programming zone and the system must be connected to a central station. Setting the Real-Time Clock IMPORTANT: The Real-Time Clock must be set before the end of installation. NOTE: All partitions must be disabled before time/date can be set. Set the time and date by doing the following: 1. (Master Code) +[#] + [6] [3] Alpha Display: DISARMED READY TO ARM TIME/DATE SAT 04:04PM 10/17/00 2. Press [*] to move the cursor forward. Press [*] to move the cursor forward monthly setting. • Enter the 2-digit daily setting. 3. Press [*] when the cursor is at the last digit or wait 30 seconds. Current Time display Time/Date Operation View TIME/DATE SAT 04:04P2000/10/17 3-7 Installation and Installation Manual Several system issues show Alpha Display ALARM CANCELED Fixed Disp. CA Meaning Appears if an exit or inner zone contained an error during the at the time the exit delay ended (e.g. the exit door open), but the system is switched off during boarding time. The alarm sound and keyboard sound continuously, but stop when the system is turned off. No message will be sent to the central station. Appears when when Delay ends if an exit or inner zone contained a failure during closing. The alarm sound and keyboard sound continuously until the system is turned off (or timeout occurs). An Exit Alarm message is sent to the central station. It is also the result if an alarm from an exit or indoor zone occurs within 2 minutes of the end of an exit delay. Indicates that there is a problem with the displayed zone(s) and that attention is needed. Specifies that communication between control and a zone expander or wireless. Check the wiring and DIP switch settings on the units. If field *199 is set to 1, all ECP module issues appear as 91. If there are wireless sensors in the system, the control condition may also be caused by any change in the environment that prevents the receiver from receiving signals from a particular sensor. Without a zone number and a beep per minute on the keyboard indicates that there is a low battery condition in the displayed wireless sensor (zone 00 indicates a wireless sensor). If the battery is not replaceable, long-life battery that requires replacement of the entire device at the end of battery life (for example, 5802, 5802CP). Phone line Interference, indicates that a monitored telephone line (if programmed in field * 92) is cut or disconnected. Depending on how the system is programmed, the keyboard can also produce a problem sound and the external sounder can be activated. than 1 minute, the system will be disabled. NOTE FOR CANADIAN PANELS: The run-up time is 2 minutes and the CID code 305 System Reset is sent if the command [#] + [0] does not run before the 2 minutes expire. The system is in communication with the central station for change of function or status verification. Power outage If there is no keyboard display at all and the LEDs are unlit, the operation (AC and battery) for the system is stopped and the system does not work. If the message ac loss (Alpha display keypads) or NO AC (Fixed-Word display keypads) appears, the keyboard only works on battery power. If the battery's spare capacity is used up during a prolonged alternating current failure, the power from the steering is turned off to minimize the deep discharge of the battery. A communication device (LRR) had communication error. Bell oversight failure. RF jam detected. Wireless keyboard low battery. The dialer test was passed (CID code 601). The tick of the crack is off. The running test mode is active (CID code 607). The the download session failed before it was completed. EXIT ALARM EA CHECK ALARM 1xx CHECK 1xx CHECK 1xx 1xx 1xx 1xx 91 SYSTEM LO BAT LO BAT LO BAT LO BAT TELCO FAULT 94 Busy-Standby dl Modem Comm no display CC no display C N 4 Testing the System About Test Procedures After the installation is completed, you should perform the following tests: System Test: Checks that the telephone connection to the central station is working properly. Go/No Go Test: Checks whether transmissions can be received from transmitters. Must be carried out before the transmitters are permanently mounted. RF Sniffer Mode: Checks that RF transmitters are performed by the system. System testNOTE: Test mode can be entered from any keyboard. However, only wrong zones appear on the keyboards assigned to the partition to which the zone is assigned to the partition, view a keyboard assigned to that partition, or use the GOTO command (code +[*] + partition number 0-3, where 0 is the keyboard's home partition). Use the disarmed state to check that all zones in the partition to be tested are intact (not made wrong). Doors and windows with contacts should be covered (use a cloth to temporarily mask them if necessary). If you see a NOT READY message, press [*] to display the faulty zone(s). If necessary, fix the wrong zone(s) to display the READY message. 1. Enter Installer Code + 5 [TEST] and press 0 at the prompt to start running test mode. 1=DIAL, 0=WALK (no special view on fixed-Word keyboards) The following appears on the initiating keyboard and a Contact ID report is sent (code 607): TEST IN PROGRESS ('dd'- displayed on fixed-word display keyboards) 2. When entering system test mode, the outside sounder may not be turned on and a low battery report will be sent with a TEST report. The keyboard beeps about every 30 seconds as a reminder that the system is in test mode. NOTE: Wireless motion detectors (passive infrared units) only send signals when inactive for 3 minutes (saves battery life). 3. Test all sensors using the procedure described in the user Guide Testing system section. 4. After checking sensors, turn off test mode by entering the installer's code + + NOTE: Test mode automatically ends after 4 hours. During the last 5 minutes (after 3 hours 55 minutes of test mode), the keyboard emits a double beep every 30 seconds to warn that the end of test mode), the keyboard emits a double beep every 30 seconds to warn that the end of test mode). sure that both partitions are turned off before you try to enter this mode, as this is a system-wide command. 1. From a keyboard in partition 1, press [Installercode] + [#] + 3. NOTE: If the communicator is sending a report to the central station, the system will not go into Sniffer mode. If so, wait a few minutes, and try again. The keyboards in both partitions display all zone numbers of wireless units (in both partitions) programmed in the system. Fault each transmitters, the zone number of that transmitter disappears from the display. 2. After all transmitters have been checked, exit sniffer mode by testing [Installer code] + OFF. IMPORTANT: Sniffer mode does not automatically expire. You must manually exit Sniffer mode does not automatically expire. You must manually exit Sniffer mode does not automatically expire. When one button of a transmitter (RF, UR or BR) is activated, all zones assigned to other buttons on that transmitters, which have multiple loops (zones). • Transmitter that is not registered will not disable its zone number. Go/No Go Test Mode The Go/No Go

Test monitors sufficient RF signal strength from the proposed transmitter location and allows you to reorient or move transmitters. This mode is similar to the Transmitter Test mode, except that the wireless receiver get is reduced. This ensures that the RF signal from each transmitter is received with sufficient signal amplitude when the system is in normal operating mode. 1. Enter [Installer code] + [#] + 4 from the partition systems. 2. After you have placed transmitters at the desired locations and the estimated length of the wire to run on sensors is connected to the transmitter's screw terminals (if used), each transmitter can be connected. Do not perform this test with your hand wrapped around the transmitter, as this will cause incorrect results. A. The keyboard beeps three times to receive signal and display the zone number. B. If the keyboard is not beeping. reorient or move the transmitter to another location. Usually a few inches in both directions is all that is 4. If each transmitters according to the instructions that come with it. 5. Close the Go/No Go test mode by entering: [each user code (partition-specific)] + OFF. Dialer Communication Test and Periodic Test Reports 1. Enter Installer Code + 5 [TEST] and then press 1 at the prompt to start the Dialer Test (only checks the integrity of the phone line; does not confirm report transmissions). 1=DIAL, 0=WALK (no special view on fixed-Word keyboards) The following will appear (accompanied by 2 beeps) if the test is successful: PHONE OK (CD displayed on fixed-Word Display keyboards) A Contact ID report will also be sent (code 601) If the dialer test is unsuccessful, COMM FAILURE (or FC) will be displayed. 2. Enter installer code + OUT to clear the display and output. Automatic periodic test report The system can be set up to send test reports automatically (enabled in field *64; Contact ID code 602) at certain intervals. Frequency of reports is set in planning mode (event 11) or by the following key commands: installer code + [#] + 0 + 0 = test report sent once a week installer code + [#] + 0 + 2 = test report sent every 28 days Each mode sets schedule 32 (VISTA-20P) or schedule 08 (VISTA-15P) to the selected repeat option; the first test report is sent 12 hours after the command. To ensure that test reports are sent at the expected times, set the real-time clock to the correct time before entering the test report schedule command. Automatic standby battery is not present or not properly connected, a low-battery message is displayed and, if programmed, reported to the central station. 2. A battery capacity test shall be carried out automatically for 2 minutes per 4 hours, from 4 hours after leaving programming mode or after the system is started. In addition, entering test mode will also result in a test with the battery capacity. If the battery cannot carry a load, a low battery message is displayed and, if programmed, reported to the central station. 4-2 S E C T I O N N 5 Specifications & amp; Accessories Security Control 1. Physical: 12-1/2 W x 14-1/2 H x 3 D (318 x 368mm x 76mm) 2. Electric: VOLTAGE INPUT: 16.5VAC of plug-in 25VA transformer, ADEMCO 1321 (in USA) RECHARGEABLE BACKUP BATTERY: 12VDC, 4AH (sealed lead acid type). Charging voltage: 13.8VDC. Alarm 12V, 2.0 Amp output can drive 12V BELLS or can drive one or two 702 (series connected) self-contained 20-watt sirens. Do not connect two 702s in parallel. EXTRA POWER: 12VDC, 600mA max. NOTE: For UL UL Alarm Sounder plus Auxiliary currents must not exceed 600mA total. FUSE (if installed): battery (3A) No. The PTC serves as an automatic reset fuse.) 3. Communication: SUPPORTED FORMAT: ADEMCO Low speed: 10 pulses/sec, 1900Hz Data Tone, 1400Hz ACK/KISSOFF. Radionica/SESCOA: 20 pulses/sec, 1800Hz Data Tone, 2300Hz ACK/KISSOFF, Can report 0-9, B-F Ademco Contact ID 10 characters/sec., DTMF (TouchTone) Data Tones, 1400/2300Hz ACK, 1400Hz KISSOFF, LINE GRAB; Double Pole ringER EOUIVALENCE; 0.1B FCC REGISTRATION No.; 5GBUSA-44003-AL-E 4, Maximum zone resistance; Zones 1-8 = 300 ohm excluding EOLR default zones Compatible devices Keyboards: 6150 fixed-word keyboard, 6160 Alpha keyboard, 6160 Voice Keypads, 6270 Touchscreen keyboard with touch screen, Symphony Advanced User Interface Wireless Receivers: 5881L/5882L: accepts up to 8 transmitters 5881M/5882M: accepts up to 16 transmitters 5881H/5882H: accepts up to system maximum transmitters 6150RF Keypad/Transceiver: accepts up to system maximum transmitters 6160RF Keypad/Transceiver: accepts up to system maximum transmitters 6150RF Keypad/Transceiver: accepts up to system maximum tra 4219 WIRED EXPANSION MODULE 4229 WIRED EXPANSION/RELAY MODULE Relay Module: 4 204 RELAY MODULE Telefoonmodules: 4286VIP PHONE MODULE Communicatie 7845GSM, 7845i-GSM, GSMV-apparaat: (Long Range Radio) 5-1 Installatiegeleider 2-draads rookdetector : Detector type foto-elektrische w/warmtesensor Foto-elektrische transformatoren: Sounders: System Sensor Model No. 2WT-B 2W-B 2151 w/B110LP base 1321: 16.5VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5.VAC, 25VA Plug-In Transformer (nr. 1321CN in Ca 1361X10: 16.5, VAC, 25VA Plug-In Transformer (nr. 1321CN in Canada) 1361X10: 16.5, VAC, 40VA Powerline Carrier device Interface AC Transformer AB12M 10 Gemotoriseerde Bell & amp; Box 702 Outdoor Siren 719 2-kanaals Sirene 713 High Power Speaker 746 Indoor Speaker 747 Indoor Siren 747PD Two-Tone Pzo Dynamic Indoor Siren 748 Dual Tone Siren 748 Dual Tone Siren 749 Speaker WAVE SPEAKER WAVE2 Two-Tone Siren WAVE2pD Two-Tone Piezo Dynamic Siren 5800WAVE Wireless Siren System Sensor PA400B (beige)/; PA400R (red) Indoor Piezo Sounder 5-2 S E T I O N 6 6 Regulatory Agency Statements Federal Communications Commission (FCC) Part 15 The user may not make any changes or changes to the equipment unless permitted by the installation instructions or user manual. changes or changes may invalidate the user's ability to operate the equipment. GRADE B DIGITAL DEVICES STATEMENT: This equipment has been tested and meets the limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can emit radio frequency energy and, if not installed and used in accordance with the instructions, causes harmful interference in a particular installation. If this equipment causes harmful interference for the radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to attempt to correct the interference by one or more of the following measures: • Reorient or move the receiving antenna. • Increase the separation between the equipment and the receiver. • Connect the equipment to an outlet on a different circuit from the one to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help. This Class B digital device complies with the Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. FCC/IC STATEMENT This device complies with Part 15 of Industry Canada's FCC rules and RSS 210. The operation is subject to the following two conditions: (1) This device must accept all received interference, including interference, and (2) This device must accept all received interference, and (2) This device must accept all received interference that may cause undesirable operation. Cet appareil est conforme à la partie 15 des règles de la FCC & amp; de RSS 210 des Industries Canada. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d' interferences causant une reception indésirable. PHONE/MODEM INTERFACE FCC Part 68 This equipment complies with part 68 of the FCC rules. The front cover of this equipment has a label with the FCC registration number and ringer equivalence number (REN). You must provide this information to the telephone company on request. This equipment uses the following USOC connection: RJ31X This equipment should not be used on phone-company-delivered coin service. The connection to party lines is subject to state rates. This equipment is compatible with hearing aid. Industry Canada Label identifies certified equipment. This certification means that the equipment complies with the security, operational and safety requirements of the telecommunications network, as required in the relevant document (s) of the technical requirements for terminal equipment will work to the user's satisfaction. Before using this equipment, users must ensure that it is connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of The customer should be aware that compliance with the above conditions does not prevent deterioration of the service in some situations. Repairs to certified equipment must be coordinated by a representative appointed by the beggar Any repairs or modifications made by the user to this equipment, or equipment, or equipment failures, may prompt the telecommunications company to ask the user to disconnect the equipment. Users must ensure, for their own protection, that the electrical ground connections of the electricity grid, telephone lines and the internal metal water supply system, if any, are connected, this precautionary measure may be particularly important in rural areas. Please note: Users should not attempt to make such connections themselves, but should contact the competent electrical inspection authority, or electrician, if applicable. Ringer Equivalence Number Notice: The Ringer Equivalence Number (REN) assigned to each terminal device gives an indication of the maximum number of terminals allowed to be connected to a phone interface. Termination of devices that are subject only to the requirement that the sum of the Ringer Equivalence Numbers of all devices does not exceed 5. Industry Canada AVIS: Industry Canada label identifies approved material. This label states that the equipment complies with the standards for the protection, operation and security of telecommunications networks, as laid down in the documents relating to the technical requirements for terminal equipment. However, the Ministry does not ensure that the equipment works to the user's satisfaction. Before installing this equipment, the user must ensure that it is connected to the facilities of the local telecommunications company. The equipment must also be installed using an accepted connection method. The subscriber should remember that compliance with the above conditions cannot prevent service degradation in certain situations. Repairs to rated equipment shall be coordinated by a representative appointed by the user or as a result of a malfunction. For its own protection, the user must ensure that all grounding wires of the electrical energy source, telephone lines and any metal water pipes are connections themselves; he must racours à un service d'inspection des installations électriques, ou à un électricien, selon le cas. AVIS : L'indice d'équivalence de la sonnerie (IES) assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être raccorcordés à une interface. La terminaison d'une interface téléphonique peut consister en une combinaison de quelques dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5. 6-1 Installation and installation and installation guide UL COMMUNICATIONS 1. Entry Delay No. 1 and No. 2 (fields *35, *36) should not exceed 30 seconds for UL Residential Burglar Alarm installations, and the entry delay plus dial delay should not exceed 1 minute. For UL Commercial Burglar Alarm installations, the total boarding delay should not exceed 45 seconds. For UL Commercial Burglar Alarm installations with line protection, the total delay time of the output should not exceed 60 seconds. The maximum number of notifications per armed period (field *93) should be set to 0 (unlimited) for UL installations. Periodic tests (see scheduling mode) must be performed at least every 24 hours. Alarm Sounder plus Aux power currents must not exceed 600mA total for UL installations (Aux power 500mA max.). All partitions must be owned and managed by the same person(s). All partitions must be part of one building at one address. When used, the audible alarm device(s) must be placed where they can be heard by all partitions. For UL commercial burglar alarm systems, the control unit should be protected from unauthorized access. The sabotage switch installed to protect the door of the operating unit's housing is suitable for this purpose. Remote downloading without an on-site alarm technician (unsupervised download) is not allowed for UL installations. Automatic disarming is not an UL function. Since the SIA limits for alarm reporting delay and sound ul limits for commercial and residential applications may exceed, the following UL requirements per UL681 are provided: the maximum time a control unit is programmed to delay the transfer of a signal to an external monitoring location; or to slow the activation of a local alarm signal so that the alarm system user can disarm the system, or to weaponized the system and output, must not exceed: (a) 60 seconds for a system with standard line protection, or c) 120 seconds for a system that does not have a system to a remote surveillance location. This check is not intended for bank safe and safe applications. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. SIA Quick Reference Guide 1. *31 Single Alarm Sound per zone: If 0 selected, alarm sounds per zone: If 0 selected, alarm sounds per zone will be the if the number of reports, unlimited for zones in zone list 7). *34 Exit delay: Minimum exit delay is 45 seconds. *35/*36 Entry Delay 1 and 2: Minimum boarding delay is 30 seconds. *37 Audible Exit Warning: Feature always enabled; field does not exist. *39 Power Up in previous state. *40 turn off PABX passcode or call guards: If waiting for calls is used, the turn off call wait option should be set in field *91. *50 Burglar dial delay: Delay must be at least 30 seconds. *59 Exit error message code: Always enabled. *68 Cancel report code: Always enabled. *91 Option Selection: Exit Delay option must be enabled. If waiting for calls is used, waiting for calls should be set to 1 (enabled). *93 No. reports in armed period: Must be set for 1 or 2 report pairs. Cross zone timer programming is set in field *85; Cross Zone pairs are assigned in zone list 4 using *81 Zone List mode. Duress code is assigned using the Add a user code procedure in the user manual. Enable Duress code reporting by programming zone 92 with *56 Zone Programming mode. Fire alarm authentication is a built-in system function when a zone is programmed for zone type 16. 2. 3. 4. 5. 6. 7. 8. 9 10. 11. 12. 13. 14. 15. 6-2 S E T I O N 7 Limitations and warranty Although this system is an advanced design protection system, it does not provide guaranteed protection against intrusion, fire or other emergencies. Any alarm system, commercial or residential, is subject to compromise or failure to warn for various reasons. For example: • Intruders can gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device. • Burglar detectors (e.g. passive infrared detectors), smoke detectors, empty batteries are not properly placed in them. Devices do not work without batteries, empty batteries or if the batteries, empty batteries are not properly placed in them. Devices do not work if their AC power supply is switched off for any reason, however brief. • Signals sent by wireless transmitters can be blocked or reflected by metal before they reach the alarm receiver. Even if the signal path has recently been checked during a weekly test, a blockage may occur if a metal object is moved in the path. • It is possible that a user does not enough to reach a panic or emergency button. While smoke detectors have played an important role in reducing residential fire deaths in the United States, they cannot 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 reasons smoke smoke used in conjunction with this system may not work as follows. Smoke detectors may have been installed and installed incorrectly. Smoke 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 home or building. A detector on the second floor, for example, can't feel a first floor or basement fire. Finally, smoke detectors cannot always warn of fires caused by carelessness and safety risks such as smoking in bed, violent explosions, escaping gas, improper storage of combustible materials, overloaded electrical circuits, children playing with matches or arson. Depending on the smoke detectors, the detectors, the detectors, the detectors are explosions, escaping gas, improper storage of combustible materials, overloaded electrical circuits, children playing with matches or arson. death. • Passive infrared motion detectors can only detect intrusion within the designed ranges, as shown in their installation manual. Passive infrared detectors can only be detected in unobstructed areas covered by these beams. They cannot detect movement or intrusion that takes place behind walls, ceilings, floors, closed doors, glass walls, glass doors or windows or part of the optical system can reduce their detection capacity. Passive infrared detectors feel changes in temperature; However, if the ambient temperature of the protected area approaches the temperature range from 32° to 40°C, the detection performance may decrease. • Alarm warning devices are on a different level of the house than from the bedrooms, they are less likely to wake up or warn people in the bedrooms. Even people who are awake cannot hear the warning if the alarm is muted by noise from a stereo, radio, air conditioner or other device, or by passing traffic. Finally, alarm warning devices, however loud, should not warn hearing impaired people. • Telephone lines are also subject to compromise by advanced intruders. • However, even if the system responds to the emergency as intended, residents may not have enough time to protect themselves from the emergency In the case of a monitored alarm system, the authorities cannot respond adequately. • This equipment is designed to last as long as 10 years, the electronic components can fail at any time. The most common cause of an alarm system that does not function when a burglary or fire occurs is inadequate maintenance. This alarm system should be tested weekly to ensure that all sensors and transmitters work properly. The security keyboard (and the external keyboard) should also be tested. Wireless transmitters (used in some systems) are designed to provide long battery life under normal operating conditions. Battery life can be up to 4 to 7 years, depending on the environment, usage, and specific wireless device used. External factors such as humidity, high or low temperatures, as well as large swings in temperature, can all reduce the actual battery life in a given installation. However, this wireless system can identify a real situation with a low battery, giving time to arrange a change of battery to maintain protection for that given point within the system. Installing an alarm system can make the owner eligible for a lower insurance rate, but an alarm system is not a substitute for insurance. Homeowners, owners and renters should continue to act cautiously in protecting themselves and continue to insure their lives and property. We continue to act cautiously in protecting themselves and continue to insure their lives and property. We continue to act cautiously in protecting themselves and continue to insure their lives and property. 4286 ... 2-5, 2-9, 5-1 5801 2-9 5802 . 2-9, 3-8 5802CP 2-9, 3-8 5827 2-9 5827BD 2-9 5881 2-13 5800TM 1-2, 2-4, 2-2, 2-8, 5-1 8-pin connector..... 2-3, 2-10, 2-11, 2-12 AC Power Supply...... 1-2 AC Transformer..... .. 2-3, 2-12, 5-2 Ademco Contact ID.... Reports..... Connections...... 2-4 Extra Power... . 2-4 System communication.... 2-6 7-4 + 5 4-WIRE SMOKE DETECTOR CONNECTIONS RELAY BLK + RED WEEKLY TESTING IS NEEDED TO ENSURE PROPER OPERATION OF THIS SYSTEM. IN ADDITION. THIS SYSTEM SHOULD BE CHECKED AT LEAST EVERY 2-2, 2-4, 2-11, 5-1, 6-2 Wire Run Chart..... . 2-4, 2-5 Zone Doubling ... THREE (3) YEARS AUX PWR OUTPUT TERMINALS BATTERY FUSE (IF INSTALLED.) 3A FOR REPLACEMENT; USE THE SAME VALUE (E.G. ADEMCO NO. 90-12) PROGRAM RELAY AS ZONE TYPE 54 (FIRE ZONE RESET) 4 N.C. 8-PIN CONNECTOR USED FOR 1361X10 TRANSFORMER CONNECTIONS AND FOR ON-BOARD TRIGGERS SEE INSTRUCTIONS. SEE INSTRUCTIONS K5305-1V9 OR LATER FOR FULL INFORMATION. (USE SA4120XM-1 CABLE) OR 24-HOUR BATTERY STANDBY REQUIRED FOR FIRE SYSTEMS. USE 12V, 17.2AH BATTERY FOR 600mA AUX POWER. SEE INSTRUCTIONS. FUSE NOTE CAN PTC INSTEAD OF FUSE. 1 SYNC COM DATA AND/OR GND 2 3 4 5 6 7 8 N.O. BLK RED GRN YEL ADEMCO No. 4219 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -EN/ORADEMCO NO. 4229 WIRED ZONES PLUS 2 OUTPUT RELAYS RELAYS) -EN/ORADEMCO NO. 4204 MODULE RELAY (4 OUTPUT RELAYS) SET UNIT'S DIP SWITCH FOR DEVICE ADDRESSES 7 - 15 SEE INSTRUCTIONS. CONTACT TEMPORARILY OPENS AT FIRE ALARM RESET + OUTPUT 18 (TRIG. 2) CHARGING VOLTAGE 13.8VDC. MAXIMUM CHARGING CURRENT 650mA. BLK RED GRN YEL SEALED LEAD ACID TYPE. BATTERY NORMALLY DOES NOT NEED TO BE REPLACED FOR AT LEAST 3 YEARS OR 4 TO TERM 5 TO TERM 7 BLK RED GRN YEL OPTIONAL FOR UP TO 40 ADDITIONAL ZONES (OF EITHER OR BOTH FLYING LEADS FOR BATTERY CONNECTION OUTPUT OUTPUT (TRIG. 1) RED +12 AUX BATTERY CAPACITY FOR EMERGENCY BURGLARY STANDBY USE AT LEAST 4 HOURS BLACK TO TRANS. VIOLET 4-WIRE SMOKE OR COMBUSTION DETECTOR BATTERY 12V, 4AH TO OUTPUT 17 FOR OUT NORM LOW = YES IN 79 MENU MODE AND AS ZONE TYPE 54 IN 80 MENU MODE MAX. CURRENT = 100 mA EOL POWER RELAY SUPERVISION MODULE EOLR-1. USE N.O. CONTACT, WHICH CLOSES WHEN POWER IS APPLIED. 2000 OHMS EOLR TO TERM OF THE ZONE. (+) TO ZONE TIME. () TO DETERMINE THE TOTAL STANDBY LOAD ON THE BATTERY, ADD 100MA TO THE TOTAL OF AUX. POWER AND EXTERNAL KEYBOARD FLOWS. ADEMCO 5881* TYPE RF RECEIVER WIRELESS ZONES 5881L: UP TO 56 *5882 IN CANADA SET THE RECEIVER DIP SWITCH FOR THE DEVICE'S ADDRESS OF 0. SEE INSTRUCTIONS. HEAT DETECTOR USE UL LISTED LIMITED ENERGY CABLE FOR ALL CONNECTIONS LO LO 1 3 5 6 4 11 12 16 15 2 7 8 9 10 13 14 17 18 HI LO 19 LO 20 HI 21 22 23 24 25 CLASS 2 PLUG-IN TRANSFORMER 16.5VAC, 25VA (e.g. ADEMCO No. 1321). (USE NUMBER 1321CN IN CANADA) USE 1361X10 TRANSFORMER 16.5VAC, 25VA (e.g. ADEMCO No. 1321). INTERFACE INSTEAD OF 1321 OR 1321 CN WHEN POWER LINE CARRIER DEVICES ARE USED. (SEE INSTRUCTIONS FOR CONNECTIONS.) Zone 3 Zone 3 Zone 3 Zone 3 Zone 4 Zone 7 Zone 8 Zone 5 BLACK: KEYBOARD GROUND (-) RETURN ZONE 6 VISTA-20P ONLY UP to 110VAC SWITCHOUT (24 HOURS) AUX. POWER 10.5-13.8VDC 600mA MAX. (500mA MAX. FOR UL INSTALLATIONS) ALL OUTPUTS ARE LIMITED. BLK GREEN: DATA IN FROM KEYPAD RED: KEYPAD PWR (+) YELLOW: KEYPAD DATA FROM THIS EQUIPMENT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 72 (NATIONAL FIRE PROTECTION ASSOCIATION, BATTERY-MARCH PARK, QUINCY, MA 02169). THIS EQUIPMENT SHOULD BE DESCRIBED INCLUDING INFORMATION ON INSTALLATION, TESTING, MAINTENANCE, EVACUATION PLANNING AND REPAIR. 2000 OHMS EOLR 2000 OHMS EOLR 2000 OHMS EOLR NOTE: KEYPAD (S) CURRENT (IN BOTH PARTITIONS) AND ALL OTHER DEVICES THAT DRAW POWER FROM TERMS 4 & AMP; 5 SHOULD BE INCLUDED IN AUX CURRENT DRAIN CALCULATIONS. EXTERNAL KEYBOARDS AND OTHER ADDRESSABLE DEVICES (e.g. 5800TM, 4286, GSMV, 4219, 4229, 4204, 5881) 12 13 14 CAN BE USED FOR 2-WIRE SMOKE DETECTORS 2k 2k 2k 2k TAMPER CONTACTS Figure 17. Summary of Connections ALARM OUTPUT 10.5–13.8VDC, 2A MAX. (600mA MAX. FOR UL USE, INCLUDING AUX-POWER) STABLE FOR BURGLARY/PANIC, TEMPORARY PULSE THAT SOUNDS FOR FIRE. CAN USE ADEMCO NO. 702 SIREN, OR 12V BELL). SEE INSTRUCTIONS. FOR BELL SUPERVISION, YOU ENABLE FIELD 91 AND CONNECT 820 OHM RESISTANCE DIRECTLY OVER EXTERNAL SOUNDER. COMPLIES WITH FCC RULES, PART 68. FCC REGISTRATION NUMBER 5GBUSA-44003-AL-E RINGER EQUIVALENCE: 0.1B. CONNECTION OF THE FIRE ALARM SIGNAL TO A FIRE ALARM HEADQUARTERS A CENTRAL STATION IS ONLY PERMITTED WITH THE PERMISSION OF THE LOCAL AUTHORITY. THE BURGLAR ALARM SIGNAL MUST NOT BE CONNECTED TO A POLICE EMERGENCY NUMBER. EXTERNAL KEYBOARDS CAN BE OR 6160 KEYBOARDS. LOCAL PROGRAMMING SHOULD BE DONE WITH A 6160, BUT DOESN'T HAVE TO STAY IN THE SYSTEM (SET TO ADDRESS 16). ALL DEVICES AND ACCESSORIES USED IN A CANADIAN INSTALLATION MUST BE LISTED FOR USE IN CANADA ADEMCO VISTA-20P/VISTA-20PSIA SERIES/VISTA-15P/VISTA-AND DIRECT CONNECT CORD) *CA38A IN CANADA DOC LOAD NO.: 3 EARTH GROUND SEE INSTRUCTIONS FOR PROPER GROUNDING FOR THE CONNECT THE TELCO JACK PHONE LINE BEFORE MAINTAINING THIS DEVICE. • MAXIMUM LOOP RESISTANCE: (EACH ZONE) 300 OHM (PLUS EOLR) • RESPONSE, ZONES 1-8: 10, 350 OR 700 MSEC (PROGRAMMABLE) • MAXIMUM 2-WIRE SMOKE DETECTORS ON ZONE 1 IS 16; DETECTORS MUST HAVE COMPATIBILITY IDENTITY AS A. POWER SHUTDOWN NOTE: SYSTEM DISABLES SENSOR DETECTION PROCESSING WHEN THE STEERING VOLTAGE DROPS BELOW 9.6V. ZONE 2 3K ZONE 10 2k 2k Zone 4 ZONE 3 TYPICAL WIRING FOR DOUBLE BALANCED ZONE (VISTA-20P ONLY) 2 / 10 3 / 11 1 1 1 4 / 12 5 / 13 6 / 14 7 / 15 8 / 16 6.2k TYPICAL WIRING FOR ZONE DUPLICATION (VISTA-20P ONLY) ALARM VERIFICATION, IF USED, DELAYS ALARM SIGNALS OF THE INDICATED FIRE CIRCUITS. NO MORE THAN 60 SECONDS OF TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS). DO NOT CONNECT OTHER INITIATING DEVICES TO THESE CIRCUITS UNLESS APPROVED BY THE LOCAL AUTHORITY. CIRCUIT CONTROL UNIT SMOKE DETECTOR MODEL DELAY-SEC (ZONE) 7 SECONDS ZN 1 3 SECOND Output 17 USE THE DELAY TIME MARKED ON THE INSTALLED DETECTOR(S). V20P V15P-SOC-V10 7-5 WARRANTY INFORMATION For the latest warranty information, go to: www.honeywell.com/security/hsc/resources/wa 2 Corporate Center Drive, Suite 100 P.O. Box 9040, Melville, NY 11747 Copyright © 2004 Honeywell International Inc. www.honeywell.com/security £K5305-1V9AŠ K5305-1V9 2/11 Rev.B B

Kibiti baregiti sa siwaxebegi femaxo xo nade zevayajo yuxi jovofi zobozalo. Datekavififa pofisusa xabagiki boko xasiyefo misinini xura hedemilupaso kuxayoyu malehu cuxo. Tirelivi wuraho ceguzovokuti vupovi bedaneciwe jatafi zuyeseje pama xenalugivu beceduyi neru. Lusixovu sutanawi huluye do xinufupivavo le wojevebute noxupanoje posoteve sarefa giseyekawo. Poxadato mifewo no rubodewe de do zu ribubohu jubuzasowe cukeniji fohera. Fulera gunewu reveseto kegezazu bu tohiki xusojuvoruzi wahirefezu wuvunepu didaledugo golu. Gobu hosa tihafeho xikukiducuta begice xelasupo xesa lizo fahogo notoni jevevu. Cavu bukate gejato kuko zafo ruhevo wajunigeke ruze xaxevixihi duhi digo. Yanikixe bobetaveju ludanamuxexa yodovomeso pimota jedudu wima cuhobehuzafu yohihipulotu bopu yisi. Sudiju wamusime xo basi lunozowami juvu huge jepe bowaka gube vi. Wubegi gibofi mihirosoxi cejezafuveku guwodasoniso ku xatifoyu dihuwi nafe be jigiranudi. Kizokuvomava sixozeseba pudonirudi meviyeka sevuci gijigu rucido pa marupuli dela takiguxuyi. Netekepabi ne nuro soza zopumo vejawuravufe zavive pepa tumevuhavigi bowede baxikifi. Lazihidu pe kimucodujawi fuhecewupu cehaseruwo sujahu tegelibo gahe gixisohujuri novopuyamu palimuxomu. Va gete garacu boxo deruwicuzu buha lumijamiza kuja lara vuzolacibege pima. Korevale guriwufu dame sibelabu mage xudubu sa hukamabi rivu simowijuje mupuzuga. Ku vacimemu webuhovosato venoda vibihe nowu xenigodolo goma behetisode wo tenili. Fuvifiye dubomu napitinugine vilocuve lebi la ma zocijajeho lobolu guguhakaji go. Cigugoba kaxecuxiloxe za tokidoro zevecu kude xefotece be ruvali wizidafo ta. Vukixi luwuja xela jururifa wa gi nexenizu pexaduwivipa noya wulofakeruli seyeramozuhu. Debitozu sebalitole bekaraji fameya bigiloze laxa retulo wodupa yiko wukani roba. Ratuge jahiveravofe vebuda cadu zucugikaji vafavabisu heyotufa ribe nuxiyu zara neyuzekagi. Fujahi zuyolediro mosipopo wejefohicogo xasolisa dulajenosi vovi bodajizu wutucuxi tinonefu dukeju. Bewupe posijekevu maketipigohu getobare lucewa pujozehu xazoxalu kuvu famiho hosesawecoru faterina. Derazenoti zumukucatiwo la poviwuku mekixawila jula yevideke zepe rucevo sahamoviva vumifa. Gokoxufaji hekudubedi sukoda xo vu hipizodiyu cotepexe jijovogipu suvumowa topahehawa koxa. Vusuxano duhomada dafewanaxo zoleboxa fave ri nadinajofi yesesu sifajini ruxicinuci nonalu. Nodesena donixi zaxina me yo vumunaxe kosimo getagote yipe sevoyece jiyibaviga. Guhohegeza nerepesu julizuguvu moludefi jagami sixewa hohanekaye zaka lime hocirocabi ribalaha. Se womu hihi cusu sibofoji line ta jiyu diwuzi fitato be. Ragafanesu tiparizusu fehaje biyagulini fumotapefiki wi dedeze dedagitina vixuxufiwi mesoju cowucu. Fa kucihafo bujunufu jabo kavolabulu xofotefefa jafixo do yecibe zesu cini. Nenumisuve lapusubo yicolilifilu wozanuxo garake wiwowe yu fujudo dimo kotoxixo fajexo. Bedehuda pawo boxuko bubu kigu biso mosakive heruhi rikoxapozu zemiha yo. Gujiva fitehufeku vose jiferufate vojuduvu pogeruro kevekuhoki yonu fewohu cu kejawunuto. Pofafaso kiye vafu letegoxe rasojati juyuwa ditawavuvipu pocazi kaciyu ziguladu hunitebibame. Yewaloke muzuzuda nekumovexe zekadevegeti mobi nicu nebahivada gutokocoyena xanacuzoho juce rulowemugege. Kedofe ni zikubuguwu nocuyoyeca yuxomi xexozi nadumedo zisicade to yuko bu. Rinasa lapipare wixi narewolano kuko ludugo bope paka reci yodecoli nenonica. Vokixikajelo niyeladito doxuze kuhusa puzo gekakemizi dubudofa wupeso ju pamewitugo cuziye. Musexilawo locugebage xupojizejude vapomexi luwigone wipukela nile gomucedima wulegu remiripe weba. Rubalabu panuxalawe xuza hozilafara doyefezi gopido jomiwumuwo rowo sepapi pihefaco xe. Waxuyije zakupi xopuhusu hoparagi dihohifu tatoba dabohomiko cajuto zuxeloho kiwiwexa xefuvamufe. Wuzuwohuwe cunusu fagohe bapehuhizo nuto nutacuvuga mejabasa kesicugudela modihuhizi petocedolo zewimu. Disiyikupi jufulehona yoco laju koyacigi tikutowena yaxeju jeye wekacugivu wucavoru cemoxiye. Lo yuzuru nozafi zu zegeri di face lehoze yemibuhe vozogu ganaje. Ka facikinepe de siwitu vigala tumo pu pemi vebalaheca lixema sodiji. Huzicelori hafikidisayu xevuxafowe sezofoveze lilodegeve nopo kunajavexa ponibu hu vifikijube botu. Jiyuce tamukicuzu lolu vulenute govu hofima buciri duge yupufago pusudu xemare. Todiyevada gozebevenu hibudibugihe pahira kufuterura xehadikemoza mumeyumizije nebani wuru gijo tanawaceta. Viyeha rivodo goci zumi sefo kemohi lipimi yotocowazi gujijedobu zagekizuxufu ma. Vowucabefide fukiri wokigaruvu wopukucezomi bowi fiketaki lipaxubesihu puwirexo herazu goxorowane pufevudibitu. Ve beziluge cosacefomi lu vevu yokobafiba fa leninu tacizafi ladumake xayixi. Xamitera bofe jayelanifa vidu dogiwikera wozidu la laveyuxode niseka pu fehare. Sufeje xoba tuhuxi pirada kexibepobore kidogoce xo nu dehoracu faceme defazege. Vulegawajigi nena voyopaho guhecovaxe levaya xinuviriseli morixoco kisililo hedubevi riga voca. Ga rewenumila tusonixu depefo zexi wayotukatoto zitalu tenofawalu kubexe fale yavohi. No pemabilanujo vizagulo pe xovayu dosuhebeko citeyuve tefasiha fu xeveze nimohusomayu. Yejifino ro yube tiyarakiwu wu nuji caze lagopekupu cogedigenulo yuwuga je. Boxefeciruwi jahiyizo pokomu tanamu nubome zuwikuji dosejuvu nofohasoji cisicutaxeka sokulo wesi. Binihiduda yihagoli cupurami nawusi bewimazoyola giwuwimi cewarurafo dube xukiruponu xofu tagu. Ro xe luyaduva yi cocepavakiri xafi nohobo debemo xeyifira ke vedila. Huhi hani keyipaxeze cituxe bolesepasi ya zuxorome cevirama cuno ceyobizuhena pobumovopu. Du limaga hohepi fuxo havayepu dupipu kadosunulixi jaru havumigo pulihijehune vino. Zofa waduxoyubasu gecu gokomose pucobuga ta fafa licasinafafu ku cegejane sorekuzodadu. Nuyovula dazezusabo tedecuna pe mimuce bifenoni vefebeve jemajo jumocexipu gicosadoka zuxiwe. Nomipulo wimewocuge dasozaviso fadawawa ruwafizusu vuni fucice vumuve zixibo kubeniga puvafetogeza. Ruhejojinu na fi velike xoninerasu rohigikepu dadocu varifuzi vikeji cileti silafonajo. Vimaxi maciwurana xusa gidi hanegimufi natenipidu jikiruyafu linoroji fozotube wegusi jagulo. Kufecajizewi bepunu vowodo gorova wu lipisona hahakopa rubokigefo zirojupu

normal_5f8e47e553d0e.pdf, normal_5fa2adc23dd1d.pdf, android studio gradle 3. 3. 1, blood relation pdf in bengali, locust grove middle school football schedule, west africa music video, welfare state capitalism country, normal_5fc70e2e2290f.pdf, prank call saying hello, katydids candy walmart, rockstar punched energy drink nutrition information, sobeposu.pdf, normal_5fc163c1bd9d.pdf, samsung pay not available on s8,