



Jvc gz-e200bu manual

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LIVING ROOM BDRM BEDROOM LIVING ROOM BEDROOM • Install a smoke alarm at both ends of the corridor if the hallway is more than 12 metres long. • Install smoke alarm control is located or in any room where the alarm control is located or in any roo lines. If the detectors are not positioned that way, a fire inside the room may prevent control from reporting a fire or intrusion. THIS CONTROLLER MEETS THE NFPA REQUIREMENTS FOR THE TEMPOR PULSE SOUND OF FIRE ALARM DEVICES. Smoke detectors minimum protection for smoke detectors additional protection BEDROOM BR Heat activated BEDROOM KTCHN GARAGE IN LVNG RM BASEMENT. Recommendations for floor plan-001-V1 for proper penetration protection, sensors shall be located at all possible entry points at home or business premises. This includes possible skylights and upper windows of a multilevel building. In addition, we recommend using radio backup in the security system so that alarm signals can still be sent to the alarm monitoring station in case the telephone lines are out of order (alarm signals are usually sent via telephone lines if they are connected to an alarm monitoring station). ii Table of Contents Features and Installation Highlights... 1-1 Features and functions ... 1-1 Compatible devices 1-2 Installing and wiring the management 2-1 Installing the control cabinet and PC board ... 2-1 Cabinet and lock ... 2-1 Installation of the PC board alone (no radio receiver) 2-1 Mounting board with RF receiver... 2-1 Assistive Device Current draw spreadsheet.... 2-3 1361x10 Transformer 2-3 Battery Battery Saver Feature 2-3 Earth ... 2-3 Sounder (Bell) Connections 2-4 Basic connections 2-4 Controlled output 2-4 Connections ... 2-5 Communication device 2-5 Communication device ... 2-5 Table of device addresses 2-5 Hardline zones and zone expansion 2-6 Hardwire Zones 2-6 Double-level zones 2-6 Zone doubles 2-6 Smoke Smoke alarm notes.... 2-7 4219/4229 Expansion areas 2-7 Installing radio frequency receiver and wireless transmitter zones 2-8 Compatible receivers.... 2-8 Receiver connections 2-8 RF receiver Notes.... Installing the 2-8 5800TM module ... 2-9 Installing transmitters 2-9 Transmitter battery life ... Installing 2-9 Keyswitch... 2-10 Keys 2-10 Keys modules, power supply carriers and output triggers... 2-11 4204/4229 Relay modules ... 2-11 Power supply carriers 2-11 On board trigger 2-12 Phone line/phone module and voice alarm confirmation (AAV) connections... 2-13 Phone 4286 Telephone module 2-13 Phone module groblems 2-13 Audio alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-13 Phone module groblems 2-13 Phone module and voice alarm confirmation (AAV) connections.... 2-13 Phone module and voice alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-13 Phone module and Voice alarm confirmation (AAV) connections.... 2-13 Phone 4286 Telephone module and Voice alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-13 Phone module and Voice alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-13 Phone module and Voice alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-15 Phone module and Voice alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-13 Phone module and Voice alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-14 Audio alarm amplation connections.... 2-15 Phone module and Voice alarm amplation connections.... 2-14 Audio alarm amplation connections..... 2-14 Audio alarm amplation connections..... 2-14 Audio alarm amplation connections..... 2-14 Audio alarm amplation connections...... 2communication with central station 3-1 Report Code Formats.... 3-1 Ademco Contact id® 3-3 Downloading/downlo System Test... 4-1 Checking transmitter registration (sniffer mode).... 4-1 Go/No Go Test Mode Selector communication test and periodic test reports... 4-2 Security Surveillance... 5-1 Compatible devices 5-1 Technical specifications & amp; accessories... 5-1 Opinions of the Regulatory Agency 6-1 Limitations and warranty 7-3 iv Features and installation highlights S E C T I O N 1 This manual applies to honevwell safety systems: ADEMCO VISTA-20PSIA/ADEMCO VISTA-20PCN (collectively labelled VISTA -20P Series). ADEMCO VISTA-15P/ADEMCO VISTA-20PCN (collectively labelled VISTA -20PCN) (collectively labelled 15PSIA/ADEMCO VISTA-15PCN (hereinafter collectively referred to as the VISTA-15P Series) Features and procedures apply to everyone, unless differences are observed. SIA installations: VISTA-20PSIA and VISTA-15PSIA are certified SIA-compliant controls that meet the SIA requirements for false alarm reduction. Other controls described in this guide are not certified as SIA compliant and can be programmed to reduce the false alarm. To program the reductions that are observed in the applicable programming fields. Features and functions Feature/function partitions VISTA-20P Series VISTA-15P Series VISTA-15P is not a partitioned system. • 2 partitions, can protect two independent areas • The common zone option allows either the partition to be armed and leaves a common area (e.g. lobby or hall) of weapons for access to another section. Up to 32 zones and 8 keyfob zones (zones Up to 48 protection zones plus 16 keypros 49-56) for a total of 40 zones: vones (zones 49-6) 4) for a total of 64 zones: vones (zones 1 to 8) with optional zone double v Up to 16 additional wired zones (zones 924) using up to 2 4219/4229 modules v Up to 40 additional wired zones (zones 948) up to 5,4219/4229 modules • Up to 26 wireless transmitter ranges (5800 sets; zones 9-34) • Up to 40 wireless transmitter ranges (5800 sets; zones 9-34) • Up to 2 configurable zone types • Up to 4 co authority levels and partition access authority levels Single-button arming Separate keys can tune the system. Timetables Up to 32; can control the devices and/or the automatic stain to 8; can control devices and/or autorm/disassemble arm/disassemble keyboard macros up to 4; activated using a wired keyboard Up to 2; activated with wired keyboards Search Up to 4 pager sizes; certain system conditions Up to 2 searches; certain system conditions Up to 2 search engines; can use a dedicated ti report to use search engin keyboard search key to send a signal to the Search key Event Log 100 events; display through Compass Downloader 50 events; display through Compass Downloader software or installer/main code in keyboard software or installer/main code in keybo keyboards and/or 4286 phone module). Clock monitoring Optional, detects external audio lines as short (during alarm) or open (when the clock is off); causes a problem, keyboard display, and sends the report to the central control drive if enabled (field *91, option 1). Detection of radio frequency blockages Optional, for wireless systems detects a condition that may impair radio frequency reception (i.e. interference); causes the keyboard screen and sends the report to the central control drive (if problem reporting is enabled). The built-in option on the phone line can track the voltage of the phone line and cause a local screen or monitor screen and problem/alarm sound. Download • Via Standard Phone Line: Use an IBM-compatible computer, a Compass charging phone line or software, and a compatible HAYES or CIA modem specified by Honeywell. Internet • Via the Internet: supports downloading/downloading via the Internet/intranet when used with the appropriate communication device (e.g. 7845i-GSM) and Compass download software. This allows you to maintain the site from central station control and modify sites worldwide over the Internet. UL NOTE: UL has not evaluated downloading or downloading over the Internet. 1-1 Installation and Installation Guide Compatible Devices DeviceAded Keyboards Touchscreens (AUI) Devices 4219, 4229 Zone Expander Modules 5800 Series Wireless Output Relays and/or Powerline Carriers (Type X-10) Boot Functions 4286 Phone Module Sound Alarm Verification VISTA-20P 8 4 Maximum 5 Up to 40 exp. Zones Up to 40 Up to 16 2 Up to 48 Partition 1 Use of the AAV module only VISTA-15P 8 2 Up to 2 up to 16 exp. zone Up to 24 yes Using the AAV module Notes 6150 Fixed-Word keyboard, 6160 Alpha keyboard, 6150 V fixed-word audio keyboard, 6160 V alpha-screen voice keyboard, 6150RF keyboard/transceiver touchscreen (AUI) devices are 8 pointing keys. For example, Symphony, 6270 Zone numbers are preconfigured according to the device addresses used. See the Expander Module Addresses table in the Wiring section and specify the addresses accordingly. Uses 5881/5883 series receivers/transcessors. Use any combination of 4204, 4229, and Powerline carriers. Map output devices in *79 Menu mode. Can be used to reset the 4-wire smoke alarm. Program output functions *80 via Menu mode. Provides access to the system on premises or through offpremises phones for weaponization, disarmament, etc., as well as relay departure and powerline carrier device management. Use the Honeywell AVS or Eagle Model 1250 together with the output launcher to have a voice selection between the central station operator and the person on the premises. The AVS can be used to provide AAV via phone line or AlarmNet IP/GSM (using the GSMV module). Can run compatible sounders; steady output for break-in/panic or tempor pulse (3 pulses - break - 3 pulses. ...) for fire. Uses a ballast circuit for security. Not more than 12VDC, not more than 600 mA; use circuit protection. Rechargeable (closed lead acid type) 12VDC, minimum 4AH. Primary phone number messages can be reported via ECP to different communication devices (check compatibility/availability of certain models) Plug-in 120VAC transformer, 1321 (1321CN in Canada) or, if you are using Powerline Carrier devices, 1361X10 Transformer Module Alarm Output 12VDC, 2 AMP Output See note. See no must be listed for use in Canada. Important installation highlights (Installer Read) • This system uses pointable keyboards and Zone Expander modules (see address table in section 2). Installation and wiring - Connecting keyboards and other pointable devices). • Keyboards must be set to addresses 16-23 (the first keyboard is address 16, which is different from previous controls) and programmed into data fields *190-*196. • Zone expander modules must be placed at specific addresses (12-15). • This control does not turn on unless the mains power is switched on (does not only turn on the battery). However, once the system is powered, it will run on battery power in the event of AC loss. • The relays have two programming menu modes: Connect module addresses and device numbers (output) in *79 menu mode. Set up print operations *80 Menu • This system supports programmable function keys. Use menu mode to set up function keys *57. 1-2 S E C T I O N 2 Installing and wiring, remove the cabinet door. When wiring, remove the necessary cabinet knockout. 2. Install the control cabinet in a sturdy wall in a clean and dry place that is not easily accessible to the public by using fasteners or anchors (not included) with four cabinet door and fasten it using 2 screws (supplied) through the door edge. OPTIONAL KEY LOCK: If desired, a key lock can be installed (K4445, not included). Remove the lock knockout from the door. Lock the key. Place the lock in the hole, making sure that the latch bracket when the door is closed. When you are in the correct position, press the lock until the clicking vertle holds it firmly. Installing the PC Disc Alone (no radio receiver) CHECK THE LOCK PUSH ADEMCO ADEMCO WITH THE SCREWS (2) CAB 6-V0 CLICK ON THE TAB PRESS THE LOCK UNTIL IT SITS FIRMLY AT THE BOTTOM OF THE UNLOCKED CABINET DOOR STEP 1 STEP 2 Fig. 1. Installing the door and cabinet lock Before installing the contents of the cabinet, remove the knock-out required for wiring the metal cabinet. Do not remove knockouts after installing the circuit board. 1. Hang two short fastening clips (supplied) on raised cabinet tabs (see detail B). 2nd a. Place the top of the circuit board at the top of the cabinet in the cable. Make sure the table is in the right row (see Detail A). B. Turn the bottom of the plate onto the fastening brackets and fasten the board to the cabinet using the screws supplied (see detail B). CIRCUIT BOARD CABINET DETAIL SIDE VIEW OF DISC SUPPORT SLOTS + + CABINET DETAILS B SIDE VIEW INSTALLATION OF MOUNTING BRACKETS 001-V0 MountING PLATE WITH RF receiver Fig. 2. Installing the PC board • Do not install the cabinet in or near a metal object. This reduces the radio frequency transmissions of wireless transmitters. • Do not place the cabinet in an area with high radio frequency disturbances (revealed by regular or long-term lighting of the receiver LEDs (occasional flicker is OK) 1. Remove the receiver board from its housing, and then insert the top of the cabinet, as shown in Fig. 3 on the next page. Make sure the table is in the right tab bar. B. Turn the bottom of the board to the mounting brackets and fasten it to the cabinet using the screws supplied. c. Insert the top of the control board into the plate. d. Turn this plate into place and fasten it with two additional screws. cab lock snap-001-V0 SNAP TAB 2-1 Installation disc of installation and installation and installation guide with RF receiver (continued) 2. 3. Place the earthing pallets (supplied with the receiver plate) and fasten them to the top of the cabinet using the screws supplied (see detail B). Insert the receiver antennas through the top of the cabinet into the right-hand connectors on the blocks and tighten the screws. CABINET B RECEIVER CIRCUIT BOARD + + MOUNTING HOLDER CONTROL CIRCUIT BOARD DETAIL MOUNTING BRACKET SIDE VIEW SLOT INSTALLATION RECEIVER CIRCUIT ANTENNA (2) BOLT (2) EARTH SHOELACE (2) WHITE MOUNTING HOLDER BLACK MOUNTING HOLDER RED MOUNTING HOLDER ANTENNA BRACKET (2 PLACES) NOTE THE COMBINATION OF THESE MOUNTING BRACKETS IS INCLUDED IN THE MOUNTING KIT. USE APPROPRIATE FASTENERS FOR INSTALLATION. IF THE RADIO RECEIVER IS NOT USED, INSTALL THE PC BOARD WITH EITHER WHITE OR BLACK FASTENERS, DEPENDING ON THE HARDWARE KIT ON THE CONTROL PANEL. DETAIL B INSTALLATION OF THE ANTENNA AND EARTHING PC MOUNT-001-V1 Fig. 3. Installing PC and RF Receiver Accessory Power Draw Spreadsheet DEVICE 6150 Fixed Word Display Audio Keyboard 6160V Alpha Display VoicePad 6160V Alpha Display Voice Keyboard 8132/8142 Series AUI (Symphony) 6270 Touchscreen Keyboard 5881/5882 RF Receiver 5883 Transceiver 4219 Zone Expander 4204 Relay Unit 4229 Zone Expander/Relay Unit 4286 Telephone module CURRENT 40mA/150mA** 60mA/160mA** 60mA/150mA** 150mA/150mA** 150mA/150mA/1,400mA** 180mA/280mA** 60mA 30mA 15/180mA • 30/100mA • 300mA No. UNITS TOTAL = *If you are using hard †wire devices such as SI devices, see technical specifications for the current draw of the device. ** Values are for standby/alarm; keyboard alarm means a backlight and silencer † UL installations, maximum current pull from additional output and alarm power combined shall not exceed 600 mA (up to 500 mA from Aux. Output). • The values are OFF/relays ON. The California State Fire Chief and UL have regulations requiring all residential fire alarm control panels to have a spare battery with sufficient capacity to operate the panel and connected peripherals for 24 hours in the intended standby mode, after which at least 4 minutes in the intended fire alarm signal mode. This control panel may meet these requirements without using an additional power supply, provided that the additional power and clock current of the panel are limited as described below. OUTPUT LIMITATIONS AND SIMILAR NECESSARY BATTERIES OUTPUT POWER LIMITATIONS BATTERY INFORMATION Output Maximum additional power Battery (amp/h) (Yuasa Model No.) 600mA up to 45mA 4AH NP4-12 (or ADEMCO 467) extra power plus clock 160mA 7AH NP7-12 output power 200mA 8AH NP4-12 (two) • 425mA 14AH NP7-12 (two) • 500mA NPG18-12 • NOTE: Use two batteries connected side by side. Get Ademco battery set SA5140-1. (Both batteries fit inside the cabinet.) CALIFORNIA STATE FIRE MARSHALL (CSFM) AND UL RESIDENTIAL FIRE 24-HOUR BATTERY BACKUP REQUIREMENTS 2-2 Installation and wiring of control power, battery and target connections 1321 Transformer (1321CN in Canada) to control panel connectors 1 and 2. For more information about wire size, see Wire Run Chart. • Be careful when connecting the transformer to the control panel connectors 1 and 2. For more information about wire size, see Wire Run Chart. • Be careful when connecting the transformer to the control panel connectors 1 and 2. For more information about wire size, see Wire Run Chart. • Be careful when connecting the transformer to the control panel connectors 1 and 2. For more information about wire size, see Wire Run Chart. control so that the transformer fuse does not burn (the fuse is not replaceable). Wire running Diagram Distance from steering Up to 50 feet 50-100 feet 100-250 ft Wire size #20 #18 #16 1 TERMINALS 1 AND 2 1321X10-001-V0 2 1361X10 Transformer (required, if you are using Powerline Carrier devices) Sy Outno puts Sign Com al mon X1 0 Dat a TO 8-PIN CONNECTOR 1 2 1361X10-001-V0 on connectors 1 AND 2 Battery connections for BLACK RED UL UL installations See the diagram on the left for the correct battery size required to meet the mandatory standby time. batt conn-001-V0 CONNECTOR FLYING LEADS WHEN AC IS USED Battery Saver Feature Earth CO B OL NTR R OA D 25 CONNECT THE CORRECT GROUND IF DESIRED The battery is disconnected from the system when its voltage drops below 9VDC. This will help the control panel charge the battery once the mains is restored. IMPORTANT: The panel will not charge only to battery power at first. The transformer must be plugged in first and then the battery. • This product is designed and tested in a laboratory to ensure its durability from generally expected flash and electrical discharge levels and usually does not require earthing. • If further earthing is desired for additional protection in areas with serious electrical activity, the trackpad or cabinet connector 25 can be used as the ground connection point. The following are examples of good land available in most installations. earth gnd-001-V0 Metal cold water pipe: Use an undinsibly metal strap (copper recommended) tightly attached to the pipe to which the earth cable is connected and electrically attached. AC Power Outlet Ground: Only available from 3-prong and 120VAC sockets. To test the integrity of the paint temperature, use a 3-wire circuit tester with neon lamp detectors, such as ul listed ideal model 61-035 or similar, available in most power supply stores. DATA COM AC SYNC AC • The wiring to the AC converter must not exceed 250 feet on a 16 g wire. The voltage reading between terminals 1 and 2 of the control shall not fall below 16,5VAC or an AC LOSS message shall be displayed. • Do not plug the transformer into the wall socket until al wiring connections are ready for adjustment. For safety always the power regulator when making such connections. 8-PIN TRIGGER CONNECTOR 1. Connect the 34 5 6 7 8 to the wire heads of the SA4120XM-1 cable 1 3 4 5 6 7 8 to the wire heads of the 3-wire cable 1 3 4 5 6 7 8 to the wire heads of the SA4120XM-1 cable 1 3 4 5 6 7 8 to the wire heads of the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 7 8 to the 3-wire cable 1 3 4 5 6 to the 8-pin connector on the SYNC COM DATA AC AC (see connection summary 2 5 3 4 1 for the position of the 8-pin connect the other end of the 2 1 3-wire cable to the 1361X10 CONTROL Transformer as shown in Table 4. GOVERNMENT TERMS AND CONDITIONS. Canadian Installations: See Figure 4 in the Powerline Carrier Device section. 1361X10 Transformer connections to the PSC04 X-10 socket and triggers. 1. Insert the 12 volt spare battery into the cabinet. 2. When all connections to the control are made and ac power is used, connect the red and black flying wires on the control panel to the battery. Do not attach these cables to the battery connectors until all connections are made. KEY (YELLOW) OUTPUT 17 +12 AUX. GND (-) (BLACK) (RED) 2-3 Sounder (bell) Connections of the Installation and Installation Guide Basic connections 3 4 Make audio output connections to alarm output connectors 3 (+) and 4 (-). • The 12VDC audio output is activated in the event of an alarm. • The total current drawn from this output must not exceed 2 amps (exceeding 2 amps overloads the power supply or may cause the electronic circuit protecting the sounder output to trip). • The battery must be installed as this power is supplied by the battery. Supervised departure 1. Connect the supplied 820 ohm Bell Supervision EOL resistance of clock monitoring is 820 ohm. This resistance is only required if clock control is in place. 2. Set the *91 Clock Monitor option selection (option 1). This control meets the NFPA requirements for the tempor pulse sound of fire alarm consists of 3 pulses – pause – 3 pulses – pause – 3 pulses spkr conn etc. Figure 5. Sounder Wiring (Wizard) Connecting keyboards and other pointable devices Connections 4 5 + 6 IN 7 OUT BLACK Connect the keyboards and other pointable device (4204, 4219, 4229, 4286, 5881, GSMV, etc.) to the connection connectors in the dashboard, as connected to the connection summary. The system supports up to eight keyboards that can be connected to partitions in any combination (see program fields *190-*196). You can use the device address table to specify the appropriate address for each device. Use the Wire Run Chart to determine the size of the wire on the next page. Single-wire 4-wire runs the current drawn by all units, and then look in the wiring diagram for a maximum length that can be safely used for each wire size. Use additional power if the aux, power load on all devices exceeds 600mA (suggested power supply: AD12612). Combine as shown in Table 6. Make sure that you connect the negative power supply (-) to connector 4 (AUX) -). IMPORTANT: Keyboards that work with accessories that don't have a spare battery won't work if the mains power from the power source. RED GREEN AR MED RE AD Y YELLOW Additional POWER (optional) conn-001-V0 ADDITIONAL POWER SUPPLY CONTROL CONNECTOR TAPE aux. aux. DATA DATA DATA - + IN OUT + - UL KEYBOARD BLK CABLE FOR KEYBOARD GRN CABLE KEYBOARD YEL CABLE FOR KEYBOARD BLK CABLE KEYBOARD YEL CABLE FIG. 6. OPERATION OF THE SUPP PWR SUPPLY 2-4 AND V0 IMPORTANT: CONNECT THESE CONNECTIONS DIRECTLY TO THE SCREW CONNECTOR AS SHOWN IN THE FIGURE. KEYBOARD GRN CABLE FOR KEYBOARD RED CABLE Use the ul-listed battery-backed offering for UL installations. The battery will power these keyboards if the mains is wet. The battery-powered power supply should be large enough to allow the keyboards to be given the minimum standby time required by UL. 4 5 6 7 sounder-001-V2 • Use UL Listed audio devices only for UL installations. • Clock monitoring is required for fire alarm equipment. • The total current and additional power of the alarm must not exceed 600 mA. In addition, the audio playback device shall be an UL Listed audio signal device classified to operate at a voltage between 10,2 VDC and 13,8 VDC and shall be installed indoors. 4 ALARM OUTPUT CONNECTIONS 3 OBSERVE POLARITY 820 OHM EOL RESISTANCE + 2 IF CLOCK MONITORING IS ENABLED (91 ON) CONNECT THE 820 OHM RESISTANCE OVER THE EXTERNAL MUFFLE AS INDICATED BY THE DOTTED LINE. Installing and wiring the control panel Notes Set the addresses of the device. Refer to the documentation provided with the devices and set each address according to the device address table. For more information about enabled keyboard addresses, setting keyboard sound settings, see the information fields *190-196 in the Programming Guide. IMPORTANT: Each keyboard must be given a unique, predefined address, 16-23. The first keyboard is address 16 (default = partition 1, all sounds enabled). TOUCHSCREEN KEYBOARD (AUI) NOTES: • The use of AUI devices (e.g. 6270, Symphony) is independent of standard keyboards and does not affect the number of standard system keyboards eligible. • AUI devices must be placed at address 1, 2, 5** or 6** depending on which unit is used in field *189. ** VISTA-20P Series • To ensure the proper functioning of the AUI, use AUI devices with lap levels: 6270 series operating version or higher; The 8132/8142 (Symphony) series use version 1.1.175 or higher. Connect the data in/data poles and voltage input terminals of the communication device to the key connection points. Set the address of the appliance to 03 according to the instructions supplied. • Use a compatible communication device (e.g. 7845GSM, 7845i-GSM). TOTAL CURRENT DRAWN BY ALL DEVICES CONNECTED TO ONE CABLE AR ME D RE Y 1 4 7 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) wire run chart for devices* Drawing Aux Power From The Control (12 V+ & amp; 12V-) Wire size #22 #20 #18 #16 50 mA or less 900 ft (274m) 1400 ft (427m) 1500 ft (457m) 1500 ft (457m) 1500 ft (457m) 100 mA 450 ft (137m) 700 ft (213m) 1100 ft (335m) 1500 ft (457m) 300 mA 150 ft (107m) 550 ft (168m) 500 mA 90 ft (27m) 140 ft (43m) 67m) 350 ft (107m) 350 ft (107m) 600mA 75 ft (23m) 120 ft (37m) 170 ft (52m) 270 ft (82m) * Includes keyboards, radio frequency receivers, zone extension/relay units, 4286 telephone module and communication device. The maximum wire length of any device controlling the controller can also be determined from the wiring diagram based solely on the current drawing of the device. All wires on both interstities shall not exceed 457 m (457m) when using an unprotected four-wire cable (750 ft if a shielded cable is used). This limitation is due to the capacitive effect on data lines when using a four-cable. Table of device addresses This device RF receiver AUI 1 AUI 2 AUI 3 (VISTA-20P series) AUI 4 (VISTA-20P series) Communication device (LRR) 4286 Sound module zone expanders (4219/4229): module 1 (in zones 09 -16) Module 2 (zones 17 -24) Module 4 areas 33 - 40 Module 5 zones 41 to 48 Relay modules (4204): Module 1 Module 2 Module 3 Module 4 4 Keyboard: keyboard 1 2 keyboard 3 keyboard 5 keyboard 6 keyboard 6 keyboard 7 keyboard 8 RIS Communication 85800TM module uses address reports + 00 100 01 02 05 06 03 103 04 104 07** 08 09 + 10 + 11 + 1 2 13 14 + 15 + 16 17 18 19 20 21 22 23 25 28 107 108 109 110 111 112 113 114 115 n/a n : automatic entry of the inputor type if AUI enables the AUI 1 automatic field *189, if AUI automatically enables AUI 2 if AUI enables AUI 3 automatic if AUI automatically enables field *189 in AUI 4, if the communication device is enabled in field *29 automatic, if the phone module passcode field *28 is enabled *56 zone programming: input type, marking 2, then: automatic if zone no. 9-16 set to AW or relay specified as automatic if zone No. 17-24 set as an AW type or relay that specified as automatic if zone No. No. set to AW type or relay set to automatic if zone No. 17-24 set as an AW type or relay specified as automatic if zone No. No. set to AW type or relay set to automatic if zone No. 17-24 set as an AW type or relay specified as automatic if zone No. No. set to AW type or relay set to automatic if zone No. 17-24 set as an AW type or relay specified as *79 output device programming: device address prompt entered at the address prompt of the device entered at the device entered at the device address prompt listed below: always enabled in section 1, all sounds are enabled. data field *190 data field *191 data field *192 data field *194 data field *195 data field *196 automatic ** address 0 No zone doubling is available for Vista-20P † 4219/4229 addresses 9-11 and 4204 addresses 14 through 15. †† can be identified by 1 and when report code for zone 91 to enable addressable device reporting (default = reports enabled). See the 3-digit/two-digit detection keyboard display settings for the device shown in the *199 field. 2-5 Installation and Installation Guide Hardwire Zones and Zone Expansion Hardwire Zones 1. Connect the open circuit devices side by side across the loop; In the EOLR zones, the EOLR shall be connected over the looping bays of the last device. 2. Enable normally open/EOLR zones in Zone Programming mode, Hardwire Type prompt. Normally closed zones 1. Connect the devices of the closed circuit to the high (+) side of the loop; In the EOLR zones, EOLR attachments shall be connected to the series following the last device. 2. Enable normally closed/EOLR zones in Zone Programming mode, Hardwire Type prompt. Line blocker (EOLR) Notes • If the EOLR is not at the end of the loop, the zone is not properly monitored and the system may not respond to the open zone. • Zone 1 is for EOLR only. HI LO zones-001-V0 UL Commercial burglar alarms use EOLR zones. Dual-level zones (V20P only) Connect as described below (resistance supplied to one device). IMPORTANT: Double-level zones and should only be used as break-in zones. Do not use 2-to-10 areas as fire areas. 12 13 14 2k TAMPER CONTACTS 2k 2k TAMPER CONTACTS 2k Zone Doubling (V20P only) Fig. 7. Typical double balance ranges This property provides two wired normally closed zones for each standard wired zone associated with control connectors (but does not increase the total number of zones supported by the control). If zone programming mode (Hardwire Type prompt, option 3), hard disk zones are automatically paired as tabled. Connect as shown in the figure (no responses are provided; use 3k and 6.2k 5%, 1/4W or higher resistor). • Do not use fire areas NOTE: A short one over the EOL (i.e. in the terminal) either in the dual zone of the zone or in a two-fold balanced zone causes tampering (shown as CHECK plus zone numbers). 10 ZONE 2 3k 3k 2k ZONE 4 11 ZONE 10 6.2k Fig. 8. Typical zone double table zone combined with zone 2 10 3 11 4 12 5 13 6 14 7 15 8 16 NOTE: Zone numbers used to double zones cannot be used for anything else (e.g. 100%. cannot be used in zone 4219) Smoke alarms for ZONE 1 CONNECTORS LO ZONE 1 HI 2-6 5806-001-V0 2-WIRE SMOKE DETECTOR 8 9 1. Connect up to 16 (10 if using the Clean Me option) 2-wire smoke detectors in zone 1 connectors 8 (+) and 9 (-) according to the connection diagram on the back of this manual. Observe the correct polarity when connecting the indicators. 2. Connect the 4-wire smoke alarms (the number of detectors depends on the power of the detector) to any zone 2-8 as shown in Fig. 9a and 9b (next page). Power reset: This control does not automatically reset power to 4-wire smoke alarm zones, so you must use a relay (e.g. 4204, 4229) or the trigger of the device to reset the current (also required to verify the fire). Do this by programming the specified relay/trigger for zone 54 (fire range reset); For more information, see Trigger section. NOTE: The maximum current on the trigger 17 is 100mA. zone-002-V0 Installation and wiring of the smoke alarm (zone type 16): The control panel checks the fire alarm by resetting the smoke alarms after the first alarm and then waiting up to 90 seconds for the second alarm trigger. If the smoke alarm or thermostat does not turn off again, the control will not start from the first trigger and there will be no alarm signal. This feature removes false alarms caused by electrical or physical transient. SIA installations: If fire verification is used in areas other than zone 1, UL Fire Alarm Listed relay accessories shall be used to reset the current as described in Resetting the current above. • Zone 1 alarm current supports only one smoke alarms will send clean me reports if necessary. If used, the maximum number of detectors is reduced to 10 (not standard 16). For more information that came with the smoke alarm. • Do not use 4-cord smoke alarms in zone 1. + AUX PWR OUTPUT CONNECTORS 5 RELAY ZONE TYPE 54 (FIRE ZONE RESET) 4 BLK + RED EOL POWER SUPERVISION RELAY MODULE EOLR-1. USE THE N.O. TOUCH THAT CLOSES WHEN POWER IS APPLIED. N.O. N.C. + 4-WIRE SMOKE OR COMBUSTION DETECTOR CONTACT OPENS MOMENTARILY WHEN THE FIRE ALARM RESETS THE VIOLET 2000 OHMS EOLR 4 WIRESMK-007-V1 ZONE (+) FROM THE THERMAL DETECTOR TO THE ZONE. () Fig. 9a. 4-wire smoke detector using relay to reset current AUX PWR (+) 5 BLK TO OUTPUT 17 () PROGRAM PROGRAM 17 OUT NORM LOW = YES IN 79 MENU MODE AND ZONE TYPE 54 IN 80 MENU MODE + RED EOL POWER SUPERVISION RELAY MODULE EOLR-1. USE THE N.O. TOUCH THAT CLOSES WHEN POWER IS APPLIED. + 4-WIRE SMOKE OR COMBUSTION DETECTOR N.O. VIOLET 2000 OHMS UP TO EOLR ZONE. (+) FROM THE THERMAL DETECTOR TO THE ZONE. () Fig. 9b. 4-wired smoke alarm using expansion zones 1 to reset power 4219/4229. Connect each module to the keyboard terminals of the control and specify the address for each module in the device address table. • VISTA-20P: Up to 40 expansion areas using exp. modules for up to 5 zones. • VISTA-15P: Up to 16 expansion areas using exp. modules for up to 2 zones. 2. Connect the sensors to the loops in the module. See Fig. 10 on the next page. • Use 1000 ohm end resistors at the end of loops connected to 4219/4229 modules. (The control terminals use 2000 ohm.) • In expansion zones, the response time is normal (300-500 ms), except for the zone connected to Loop A of each module, which can be set for rapid response (10-15 ms), 3. If you are using relays with 4229, connect the desired field wires to the relay contact connector on the appliance, 4 wiresmk-008-V1 © © 2-7 Relay connector relay 2 4229 DIP SWITCH FOR SETTING THE ADDRESS AND ZONE A RESPONSE EITHER OR BOTH CAN BE USED FOR CONTROL PANEL RELAY CONNECTORS 1 NO C NC THUMB JUMP POSITION 4229 CABINET (NOT TAMPER) 4-STINTED CONSOLE PLUG TB2 4 4 3 2 12 1 3 2 1 GRN DATA OUT (&qt;) BLK RED (-) TO CONTROL GROUND (TERM 6) (TERM 5) (TERM 7) WHT GRY VIO BLK YEL ORG BRN 4229 REMOTE CONTROL (TAMPER PROTECTED) TB1 6 7 8 9 10 11 NO NC C GND NO NC C 1 2 3 4 5 (+) 12VDC Y 5800TM module installation and wiring • Use this module only if you use one or more wireless two-way keyboards or keys with a wireless receiver; 5800TM is not necessary if you are using a transceiver (e.g., 5883). • The 5800TM must be placed at 28 (cut red-W1 jumper). • 5800TM can only be used in section 1. • For more information about 5800TM, see the 5800TM documentation. 1. Install the 5800TM next to the RF receiver (1-2 meters from the receiver antenna) with the mounting bracket supplied. Do not install in the connector connector connector on the keyboard as indicated in the connection diagram and place it at 28. • See the table on the back of this manual for compatible equipment. • Controlled † send output and transmit signals to the receiver every 70-90 minutes. If at least one output and send message is not received for each transmitter within 12 hours, the missing transmitter numbers and CHECK XX are displayed. († transmitters, e.g. 5802, 5802CP, 5804BD) 5827, 5827BD, do not send login signals.) • Make sure that the transmitter signal reception at the proposed installation point is sufficient, run the Go/No Go test described in the System Testing section. • Install the transmitters according to the instructions supplied. • Place the 5827, 5827BD, 5804BD wireless keyboards on top of the programmed house ID (field *24) with dip switches (5827) or follow the instructions supplied. • Use *56 or *58 Zone Program zone information and register transmitters (VISTA-20P: areas 9-48, buttons 49-64; VISTA-15P: zones 9-34, buttons 49-56). • Wireless keys: Use the Wireless Key Programming Templates section of the *58 Zone Programming Menu mode to program zone information and register each wireless key is registered, it must be assigned to the user before it is activated. For more information, see Add or remove security codes. ULC NOTE: In accordance with ULC standards, the RF monitoring period of VISTA-20PCN and VISTA-15PCN is three hours in fire zones (zones 9 and 16) and 12 hours for all other zone types. Installing transmitters UL The following transmitters are not intended for ul installation: 5802MN, 5802MN, 5804BD, 5814. 5816TEMP. 5819. 5819WHS & amp: BRS and 5850. 5827BD and 5800TM can be used for UL Listed Residential Burglar installations. Transmitter battery life • At the end of this manual, see the wireless transmitter section at the end of this manual for limitations of this alarm system. • Some transmitters (e.g. 5802 and 5802CP) have long-lasting but non-replaceable batteries and no battery installs are required. At the end of the service life, the entire unit must be replaced (and the new serial number registered by the control). • Button-type transmitters (such as 5801, 5802 and 5802CP) must be tested regularly for battery life. • The 5802MN and 5804 button transmitters have replaceable batteries. Do not install batteries on wireless transmitters until you are ready to register during system programming. After registration, batteries do not need to be removed. 2-9 Installation and installation guide Installing keypad connections 1. Connect the normally open temporary switch on the 4146 button to the zone (2-8) connectors. Remove the 2000 ohm EOL resistance if it is connected over the selected zone. 2. Using the standard 4-wire keyboard cable as shown in the figure: Connect the yellow and white key cables to start pin 3 (+12V) on the connector. Connect the red and green LED cables to a suitable output 17/output 18 trigger connector pins. 3. Connect the 2000 ohm EOL resistance over the torque switch. 4. You can connect the optional closed circuit tampering switch (model 112) to a series with the zone. If removed from wall, wall, tampering opens and the key key is turned off until the system is next disconnected from the keyboard. If tampering is opened when the system is armed, an alarm will sound. 8-PIN CONNECTOR KEY GREEN RED BUTTON SWITCH-001-V1 1 OUTPUT 17 (YELLOW) 3 4 5 (GREEN) 6 7 8 (RED) OUTPUT 18 +12 AUX. STANDARD KEYBOARD CABLE 4146 KEY SWITCH (ARMED) RED YELLOW (READY) GREEN WHITE 820 OHM BLACK RED THUMB SWITCH (N.C.) 820 OHMIA 11 TYPICAL ZONE ON THE STEERING BOARD BROWN BROWN LOCK SWITCH (N.O.) BLUE BLUE 00-trigcon-004-V1 10 EOLR (use the appropriate value) Fig. 12. Keyswitch wiring connections Keyswitch Notes UL A UL Listed keywife is required for fire installs as well as UL commercial and residential buildings. The Ademco 4146 keywife is in the UL list. If a keywir is used: • Installation that sends opening and closing signals, the keywife is in the UL list. signals. • UL commercial burglar alarm installation, the key switch tamper switch must be connected to the alarm system. This tampering switch area is also programmed into zone type 05 - Trouble by Day/ Alarm by Night. • installing the smoke alarm, the key must be located next to the alphanumeric on-screen keyboard. • Use a 4146 keywife or any N.O. keywir. • Use only one keywir per partition. • When using a keywir, the zone with which it is connected can no longer be used as a protective zone. • Use *56 Menu mode to program the keywire area and assign zone type 77 to it. • Use *80 Menu modes for programming LED functions: program outputs 17 and 18 for system operating range 78 (red LED) and 79 (green LED) as needed (see Output Device Programming Guide). 2-10 Installation and wiring of control relay modules, power supply carriers and output 4204/4229 relay modules 1. Install either remotely or in the control panel. 2. Connect each module to the connectors on the control's keyboard and set the device addresses as described earlier in the Keyboards and Other Addressed Devices section. Use the connector cane supplied with the module. Use a standard 4-wire cable for long wiring containers. VISTA-20P: Up to 16 relays (if no power supply carriers are used) VISTA-15P: Up to 8 relays (if no power supply carriers are used) 3. Connect the desired field wiring to the relay contact connector on the device. DIP SWITCH TO SET THE ADDRESS OF THE DEVICE AND ENABLE/REMOVE TAMPERING (REED) OF THE TAMPERING COVER CLUTCH 4-POSITION TOUCHPAD PLUG OR BOTH CAN BE USED TB1 13 14 15 16 YEL BLK GRN RED DATA CONTROL (-) GROUND DATA TO BE DIVERTED (+) 12V 4204 conn-1-V0 TYPICAL (SHOWN OFF) RELAY 4 10 11 12 4204 RELAY C NC NO C NO C NO C NO C NO TB2 UL 1 Figure 13. 4204 Connections to control powerline carriers UL Powerline Carriers and 1361X10 are not UL Listed for fire or break-in operations and are intended for home automation. • Monitoring: 4204 and 4229 modules are monitored against removal. The module's device address is displayed as follows if the module is disconnected from the connectors on the control or if the module cover is removed and the tamper jumper switch is installed: Alpha: CHECK xx Wire Expansion Fixed-Glass: lxx (or 91 if field *199 set for 2-digit display) where xx is the address of the module. • If a communication/tampering error occurs on a device with zones connected to it, all zones of the devices (if relays are not used) VISTA-15P: Up to 8 devices (if relays are not used) 2. Programming mode allows you to enter the device house ID in the data field*27 and enter the unit code *79 in output device menu mode. 3. See the connect the 1361X10 transformer to the trigger. • You must use a 1361X10 transformer instead of a 1321 converter. • The 1361X10 transformer provides AC power to the control panel and also provides signals from the control panel via the mains wiring of the modes to Powerline Carrier devices (connected to mains power points). You can then configure devices connected to Powerline Carrier devices to perform various functions because of the commands you enter on the keyboards of the security system. Canada: Use the PSC04 Powerline Interface as shown below. 8-PIN CONNECTOR KEY 1 3 4 5 6 7 8 (GREEN) (ORANGE) (YELLOW) (BLACK) (BLUE) (RED) OUTPUT 17 OUTPUT 18 X-10 PSC04 POWERLINE INTERFACE +12 AUX. GND (-) DATA SYNC COM 1234 SA4120XM-1 CABLE SYNCHRONIZATION BLK GRN COM RED DATA YEL MODULAR TELEPHONE CABLE (NOT DELIVERED) 1 - BLACK 2 - RED 3 - GREEN 4 - YELLOW FIG. 14. PSC04 Powerline Interfaces 1 2 3 See the installation instructions for device 4204 for UL installation requirements. 3 RELAY 2 RELAY 2 RELAY 4 5 6 7 8 9 2-11 Installation and installation guide Triggers Connect the field wires to the desired trigger pin in an 8-pin trigger connector centrally located above the connector strap. • If you are using 1361X10 transformer and power line devices, use the SA4120XM-1 cable (part 4120TR trigger cable). For more information about transformer connections, see 1361X10 in the AC, battery, and paint parts. • If you only use the 4-cable cable (N4632-4, not included) as shown below. 8-PIN CONNECTOR KEY 8-PIN CONNECTOR KEY 1 3 4 4 5 7 8 OUTPUT 17 (YELLOW) (ORANGE) (PURPLE) (BLACK) OUTPUT 17 OUTPUT 18 +12 AUX. GND (-) DATA SYNC COM OUTPUT 18 +12 AUX. GND (-) (GREEN) (RED) SA4120XM-1 CABLE 00-trigcon-003-V1 4-WIRE 00-trigcon-005-V2 Fig. 15a. Connection connector with SA4120XM-1 cable for use with 1361X10 Transformer Fig. 15b. 4-cable trigger connector for trigger-only use • Trigger outputs are usually high and in low programmed for reverse use (usually low, go high) in *79 Menu mode. • Program these triggers *80/*81 using menu modes just like any other relay output. • When using these outputs, note: pin 1 = starting number 17 (trigger 1): 15 ohm closed to the ground (low output), when open (output high, normal default); can be used to reset the fire alarm current (set output normal low = yes *79 in menu mode and set zone 54, fire range reset, * 80 in Menu mode); or may support a 12 V relay module (e.g. Altronix AX-RBS) pulling a post of less than 100 mA 5 = starting number 18 (trigger 2): 100 ohm closed to the ground (low output); or may support a 12 V relay module that pulls less than 20 mA UL If triggers are used, the wiring between the control unit and the UL Listed device shall be used in a tube, not more than 1.5 m apart and shall not be inter-intervener or walls, 2-12 Installation of sound alarms (AAV) Connections Telephone line Connect the incoming telephone line and confirmation of sound alarms (AAV) Connections Telephone line Connect the incoming telephone line and handset wiring to the main connector block (via RJ31X connection) according to the Summary diagram on the back of this manual. Wire colors represent the color of the cable RJ31X connector. 1. Make 12V (+) and (-) and data in and data connections from the phone module to the controller using the connector cable supplied with the phone module, and then place the key connector on the other end of the connector cable in the phone module header. 2. Attach the phone module header. 2. Attach the phone module attachments as shown below. Use the RJ31X connector with a direct connection cable and make all connections exactly as shown in the figure. 3. Caller ID units: If the caller ID unit is used, connect the device directly to the Handset connectors (21 & amp; 22) shown in the adjusting devices 21 & amp; 22. INCOMING HANDSET TELCO LINE GROUND 4286 Telephone module GREEN (TIP) RED (RING) (RING) (TIP) UL 12345 6 7 4286 VIP MODULE BROWN (T) GREY (R) 4286 modules are UL Listed only in residential fire and UL residential breaker alarm positions. IMPORTANT NOTE FOR EXISTING CABLES CONNECTED TO THE CONNECTORS ON THE CONTROLLER HANDSET MUST BE MOVED FROM THERE TO CONNECTORS 3 AND 4 OF THE 4286. DIRECT CONNECT CORD RING TIP compatibility: 4286 Call modules must be equipped with software version WA428615.1 or later (see sticker on square 4286 microprocessor chip). { { GROUND SURFACE OF CONTROL-CALLER CONNECTION UNIT 21 22 23 24 25 ETC.) INCOMING TELCO LINE RJ31X JACK CA38A IN CANADA PLUG PLUG ANSWERING AND ANSWERING * LOUDER * VOLUME KEY HAND DAY TITLE UNUSED YELLOW: DATA OUT (TERM 7) NO CONNECTION RED: AUX (+) (TERM 5) BLACK: TO AUX. GROUND (-) (term.4) GREEN: DATA IN (TERM 6) CONTROL PANEL CONNECTORS USED FOR KEYBOARD CONNECTIONS * NOTE: IF THE PHONE HAS A BUILT-IN CALLER ID. THE CALL 4286 Wiring connections for the telephone module • Only one telephone module can be used and connected only to partition 1. • Telephone lines must be in use for the phone module to work even when the system is accessible from the phone. • If you are also using an Audio Alarm Verification (AAV), see the Audio Alarm Verification (AAV) section for special wiring connections. WARNING: To reduce the risk of fire, only the number 26 AWG or a larger communication cable is used for telephone line connections. Problems with the telephone module If there are no on-site contact tones after access to the security system (this problem may occur in rare cases), it may be necessary to turn the cables connected to connectors 3 and 4 of the telephone module and the cables connected to the control connectors (21) & amp; (22). The wiring diagram shows wiring connections, which in most cases provide proper operation. Connecting to the incoming telco line via the RJ31X connector and the direct connection cable, as shown, is necessary even if the system is not connected to the central station. 4286 does not work if this is not done, and the error signal (quick busy signal) occurs when you try to access the system over the phone. The telephone lines of the house (gray and brown wires) must be connected to the connectors of the telephone module; not to the control positions. Otherwise, the error signal (fast busy signal) occurs when you try to access the system on your local phone. 4286 cntrl-001-V1 CONNECTOR WITH FLYING LEADS } 2-13 Installation and Installation Guide Audio alarm amplies (UVS system) Using the UVS system with the UVCM module The UVS system provides voice alarm confirmation via the telephone line. • See the connections when the phone 4286 is not in use. • The connections use one of the train triggers. • Set the field *91 to AAV and program the appropriate output (output 17 or 18) *80 In menu mode: select zone type 60 and output function 1 (close for 2 seconds). • Connect the EOLR zone to the UVCM module connectors 6 & amp; 7 for audio session monitoring and program the area according to zone type 81 (*56 menu mode). For example, if you are using output 18 for a starter, program the output function *80 in menu mode as follows: ZT = 60, P = 0, Action = 1, = 18 • Proposed AAV module: ADEMCO UVS (pictured) or Eagle Eagle UL UL installations using the AAV feature shall be used by the ADEMCO UVCM module (part of the ADEMCO UVS system). TRIGGER CONNECTOR 5 OUTPUT 18 CONTROL AUDIO LEVEL ADJUSTMENT TRIMMING POT 4 5 ZONE CONNECTORS 21 22 23 24 25 COUNTRY COUNTRY GND +12VDC EOL RING TIP RED (R) GREEN (T) GREY (R) BROWN (T) 29 30 31 32 33 34 UVCM MODULE RJ31X 1 2 3 4 5 6 7 8 SWITCH BANK 2 9 10 11 NOTE: SEE UVCM MODULE INSTRUCTIONS FOR SOUND SPEAKERS AND MICROPHONE. OPTIONAL CONTROL ZONE CONNECTION (TYPE OF USE TYPE 81) ON-PREMISES HANDSET

INCOMING TELEPHONE LINE SWITCH BANK 1 1 = OFF 2 = OFF 3 = OFF 4 = OFF 5 = OFF 6 = OFF 7 = OFF 6 = OFF 7 = OFF 4 = ON 5 = ON 6 = ON 7 = ON 8 = ON 1 2 3 4 5 6 7 8 SWITCH BANK 1 FALLING SOUND TRIG +12VDC Figure 17a. 5 OUTPUT 18 TRIGGER CONNECTOR CONTROL ADDITIONAL ADJUSTMENT EDGE AUDIO LEVEL POT 4 GND +12VDC ZONE CONNECTORS 21 22 23 24 25 5 EOL RING TIP RED (R) GREEN (T) ROUTE CONTROL ZONE CONNECTION (AREA OF USE TYPE 81) BROWN (T) TIP 29 30 31 32 33 34 UVCM MODULE RING 1 2 3 4 5 678 SWITCH BANK 2 NOTE : REFER TO THE UVCM MODULE FOR INSTRUCTIONS ON AUDIO SPEAKERS AND MICROPHONE. SWITCH BANK 11 = OFF 3 = OFF 4 = OFF 5 = OFF 6 = OFF 7 = OFF 8 = ON SWITCH BANK 21 = ON 2 = ON 3 = OFF 4 = ON 5 = ON 6 = ON 7 = ON 8 = ON 9 10 11 TO PREMISES HANDS INCOMING TELEPHONE LINE 1 2 3 4 5 6 7 8 SWITCH BANK 1 FALLING AUDIO TRIG 5 6 7 8 4286 4 aav uvcm-004-V1 3 4 GN D +12VDC 3 2 1 figure 17b. AAV unit connection When using the 4286 telephone module 2-14 1 2 aav uvcm-003-V0 GND 1 2 3 4 5 6 7 8 EARTH GROUND RJ31X Installation and wiring of control sound confirmation via telephone line or AlarmNet, if the GSMV module is used as a communication device. For installation instructions, see the documentation in AVS. The following is a summary. Installation of the AVS support unit Supplied The AVS Base unit plate is preinstalled in its mounting bracket, which is designed to be installed inside the control cabinet. PIN WITH TWO (2) See diagram on the right. SELF-GLOVE SCREWS (INCLUDED) a. Place the installation disc/PC configuration at the bottom of the control cabinet. CABINET SYSTEM BINDING BATTERY b. Slide the mounting plate to the right loop so that the tang tang on the left hand of the plate slides under the roadBENEATH MOUNTING wrapping loop of the cabinet. Plate c. Attach the assembly to the slidING ASSEMBLY OF the cabinet TO THE RIGHT UNTIL TANG SLIDES UNDER THE CABINET LOOP WITH the two self-threading screws supplied. ON 1 2 3 4 5 AVS-003-V0 BATTERY NOTE: When using a 7AH battery, install the battery vertically in the lower-left corner of the cabinet with the poles down and (negative connector closest to the PC disc clip). AVS's wiring to control the board of the AVS Base unit has several connector blocks for connectors of the basic AVS unit is connected to the ECP connectors of the drivers, and all other ECP devices are connected to the ECP connectors of the basic AVS unit. See the following wiring connections in the diagram on the following page. DIP switch: Set the AVS DIP switch to the correct address (V15P = 08; V20P = 11). IMPORTANT: AVS should be the only ECP device connected to the ECP connectors in the control. Connect all other ECP devices (keyboards, expansion modules, etc.) ECP connectors on the AVS. Attach an optional GSMV module a. If you are using the GSMV module for the 2-way sound function, follow its instructions to install the module. NOTE: The module must be installed one metre from the control panel. B. Connect the GSMV module audio cable to the audiolite on the AVS board. The audio cable comes with the GSMV module. c. Follow the instructions with the module to run all other GSMV cables. The following is a summary of the programming steps for AVS (see the Programming Guide for more information about AVS shortcut options): a. Follow the instructions to install the AVS module. B. Use one of the control's AVS Quick Program commands as follows: • installation code + [#] + 03: Enable AVS access without panel tones in AVST • installation code + [#] + 04: Enable AVS operation and enable panel tones AV On the ST speaker • Setup code + [#] + 05: remove all programming options set by [#] + 03 shortcuts • Setup code + [#] + 06: remove all programming options set by [#] + 04 shortcut c. Select the reporting paths * the dynamic signaling priority data field in <a 55. 2-15 INSTALLATION AND INSTALLATION GUIDE TIP 4 5 3 6 7 RING TIP TYRE MODES PHONES RJ31X 2 INCOMING TELCO 1 DIRECT CONNECTION CABLE VISTA SERIES RESIDENTIAL CONTROL KEYBOARD GRN RED GRY BRN TRIGGER HEADER 1 2 3 4 5 6 7 8 HANDSET 8 (RING) GND AUX DATA DATA OUT AVST STATION GRN RED BLK YEL LED SPEAKERS VOLUME / ID BUTTON IMPORTANT: DO NOT CONNECT OTHER ECP DEVICES TO THE PANEL. USE THE BASIC AVS UNIT ECP CONNECTORS ON OTHER ECP DEVICES. INCLUDED HARNESS AAV YEL GRN DATA AUDIO GND +VDC KEYBOARD MIC BLK RED AUDIO CABLE TB 1 1 2 3 4 5 6 7 8 9 10 11 ECP connection is also required AVS. BASE UNIT (200 FT. MAX) LED GSMV (OPTIONAL) PROGRAM MODE CALLBACK MODE PHONE DIP SW ON (TIP) 1 2 3 4 1 2 3 4 PANEL TRIGGER MODE ADDRESS DEVICE (ADDRESS 8 IN FIGURE) HANDSET RINGTONE TIP GRY BRN BASE STATION DEVICE ADDRESS VISTA-15P = 8 NO AUDIO CONNECTOR USED IN NORMAL MODE INCOMING PHONE LINE TIP RING AAV PANEL ECP RED BLK GRN YEL 1 2 3 4 5 BATTERY VISTA-20P = 11 FOR ALL OTHER ECP DEVICES 1 2 3 4 5 (RING) ECP CONNECTORS PHONE Figure 18. Interfaces with AVS 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 Control Panel Communication With The Central Station This system can accommodate several formats for reporting alarms and other system conditions to the central station. The process of successful transmission consists of a communication method between the control panel and the central station receiver; and the actual way data is sent and displayed at the main train station. When the panel calls the central station receiver, it expects to hear a handshake frequency from the receiver to confirm that the receiver is on and ready to receive its message. When the panel hears the handshake it is programmed to listen to, it sends its message was received and understood. If the handshake frequency is not given or the panel is not understood, the panel will not send its message. Once the panel has received and understood the handshake frequency, the panel sends its message. If there is an error in the transmission (the receiver does not receive a valid message), the central station receiver does not provide a kiss frequency. The panel will attempt a total of eight attempts at a primary phone number and eight attempts at a secondary phone number (if programmed) to get a valid message through. If the panel fails after numerous attempt, the keyboard displays COMM. FAILURE or FC (on fixed-term keyboards). Report code formats The following diagram shows the panel support frequencies (handshake/kiss frequencies) and the different formats that can be transmitted with each one. FORMAT Low speed 3+1, 4+1, 4+2 Express 4+2 Contact ID HANDSHAKE 1400 Hz 2300 Hz 1400-2300 Hz 1400-2300 Hz SEND DATA 1900Hz (10PPS) 1800Hz (20PPS) D TMF (10 cps) DTMF (10 cps) MISSOFF 1400 Hz DESCRIPTION 3+1 and 4+1 Standard formats 3+1 and 4+1 Extended formats 4+2 Format ADEMCO Contact ID Reporting Format Includes a 3-digit (or 4-digit) number and a single-digit report code (e.g. alarm, problem, return, opening, closing, etc.). Includes a 3- or 4-digit subscriber number and a two-digit report code. The first number appears on the first line. In the second row, it is repeated 3 (or 4) times followed by another number. Contains a four-digit subscriber number and a two-digit report code. Includes a 4- or 10-digit subscriber number (depending on the selected format), a single-digit transaction focus tai palautus), kolminumeroinen tapahtumakoodi ja kolminumeroinen vyöhykenumero, käyttäjänumero tai järjestelmän tilanumero (katso seuraava sivu). 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 SSS(S) A SSS(S) E SSS(S) C SSS(S) C SSS(S) R 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) 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 koodi 4+2 SSSS AZ SSSS Tt SSSS Bb SSSS EAC SSSS LLB SSSS OU SSSS CU SSSS Gg SSSS RZ SSSSRA ac ssss RLLB SSSS RTT SSSS RBb Missä: SSS tai SSSS = a = z = Tt = Bb = Tilaajatunnus Hälytyskoodi-1. numero Tyypillisesti Vyöhykenumero*-2. numero Ongelmakoodi (1. ja 2. numerot) Ohituskoodi (1. ja 2. numerot) EAC = AC Loss Koodi (1st &: 2nd digits) LLB = Low Battery Code (1st & 2nd digits) O = Open Code-1st Digit *Zone numbers for: , & #, or B = 99; 1 + tai A = 95; 3 + #tai C = 96; Pakote = 92 RBb = Palautuskoodi (Byps) 1. & 2. numerot RAAC = Palautuskoodi (AC) 1.) Testikoodi (1st & 2nd digits) Restore Code (Alarm) Restore Code (Trbl) 1st & amp; 2nd digits 3-2 System Communication Ademco Contact ID® Ademco Kaksinumeroinen osion numero 3-numeroinen vyöhykenumero, käyttäjänumero tai järjestelmän tilanumero (katso seuraava sivu). Ademco Contact ID® Reporting on seuraavassa muodossa: CCCC(CCCCC) Q EEE GG ZZZ where: CCCC(CCCCC) = Customer (subscriber) ID Q = Event qualifier, where: E = new event , and R = restore EEE = Event code (3 heksadesimaalinumeroa) Huomautus: Täydellinen luettelo tapahtumakoodeista on keskustoimiston vastaanottajan käsikirjassa. GG = Osion numero (järjestelmäsanomat näyttävät 00) ZZZ = Hälytyksen raportoiva vyöhyke-/yhteyshenkilötunnusnumero tai avointen/sulkeutuvien raporttien käyttäjänumero. Järjestelmän tilasanomat (AC Loss, Walk Test jne.) sisältävät nollat ZZZ-sijainnissa. YHTEYSTIETOTUNNUSTEN TAULUKKO TAPAHTUMAKOODIT (joitakin tapahtumakoodeja ei välttämättä sovelleta tiettyihin ohjauspaneeleihin) Koodi 110 121 122 123 131 132 134 135 143 145 146 150 162 301 302 305 321 333 341 344 351 353 373 374 380 Määritelmä Palohälytys, Pakotushälytys, 24 tunnin hiljainen hälytys, Sisään-/uloskäyntihälytys, päivä-/yöhälytys, laajennusmoduuli ECP-moduulin kansi peukaloi hiljainen 24-hour assistance/display help/display Carbon Monoxide AC Power Low System Battery / Battery Test Fault System Reset (Log Only) Clock / Siren Problem, ECP cover tampering RF receiver Jam Telco Line Fault Remote radio fault Fire loop Problem Exit Error Alarm Global problem, Problem day/night code 381 382 383 384 393 401 403 406 407 408 409 441 442 455 459 570 60 1 602 606 607 623 625 627 628 642 750 789 Definition Radio frequency sensor tampering RF sensor Low-battery Clean Me Disabled, Armed Away, Armed Maximum Schedule Hand/Unload OFF Cancel User Remote Arm/Unload (Download) Quick Arm AWAY Keyswitch Arm/Disarm AWAY Stripped/Armed STAY/INSTANT, Quick-Arm STAY real-time clock changed (log only) Program mode entry (log only) Exit program mode (log only) Salpa key (log) Reserved for configurable zone type report codes (centrally check drive when using these codes) 3-3 Installation and installation guide Download/download over the Internet UL : UI has not evaluated downloading over the Internet. When used with a compatible Internet/Intranet communication device, this control supports the download/download programming feature over the Internet by using an AlarmNet network or a used communication module or a private lan (Intranet). This allows you to maintain the site from central station control and modify sites worldwide over the Internet. Depending on the module used, internet access from protected modes is available either through a GSM/GPRS digital cellular network (GSM modules). For more information about how to install. program, and register it, see the documentation that comes with your communication module. The System Requirements table below lists two sets of system requirements, based on whether you are going to communicate over the Internet or communicate via an intranet (Private LAN). Compatible communication modules: The following modules support downloading/downloading the Internet, but future modules may also provide Internet download support; See the module documentation for compatibility. Compatible modules: 7845i-ent, 7845i-GSM, 7845GSM system requirements Internet communication At the installation site: • Appropriate Internet communication modules) • Broadband Internet connection (for wired modules) • Broadband modem (cable/DSL) modem (for wired modules) • Broadband (cable/DSL) modem (for wired modules) • Broadband Internet connection (for wired modules) • Broadband (cable/DSL) modem (for wired modules) • Broadband modem (cable/DSL) modem (for wired modules) • Broadband (cable/DSL) modem panel in the Download Office: ••• Broadband modem (cable/DSL) • Broadband router (cable/DSL) (optional if you connect multiple devices to the Internet) • A computer running Compass Downloading Software that supports Internet download/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 • Computers with the following software: - Compass Downloading Software version that supports IP download/download for this management. - Compass Connect Data Server Application - Compass Connect Control Server Applications on the applicability of lan access (e.g. 7845i ent supports LAN) NOTE: Compass Connect Data Server, and Compass Connect Control Server applications can be installed on the same computer if they wish. If they are installed on a single computer, the computer must have a static IP address. To configure the control panel, follow these steps: 1. Connect the module to the ECP (keyboard) connectors in the control panel. 2. Internet users: The wired module is connected to the Internet via a cable/DSL modem and router. Intranet users: Connect the module to the intranet (LAN) through the appropriate Ethernet connection. 3. Enable the module in the control panel (*29 Menu mode) to enable alarm reporting and module monitoring. 4. Program the communication device module to address 3 using the module programming menus (*29 menu mode or 7720P programmer) and program the other options of the module as needed. 5. Register the module must be registered before downloading or alert reporting. To perform download and download operations: 1. Connect your computer to the Internet and start the Connect button. 3. On the Connect screen, verify that the MAC address of the control is entered and the TCP/IP check box is selected. 4. Click Merge. The Internet connection to the control is automatically established through AlarmNet. 5. Once connected, use the Compass download software normally to perform download operations. 3-4 System Operating System Security Codes Systems provide a single Setup code, one system master code, and a set of other user codes for system users. For each code, you can specify one of the 5 levels of authority that define the actions that each code can perform as described in the table below. VISTA-20P: Contains 48 security codes (plus Setup code), including one system master code, two partition master codes, and 45 global user codes. VISTA-15P: Contains 32 security codes (plus code), code), one system master code and 31 global 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 be disassembled if they are used from weapons; can enter program mode; can change the system master code; cannot set up other user codes NOTE: For security reasons, the default code for the factory installer must be changed. (default 1234) only one system master code per system; can perform all security functions add/remove users on both partitions, change the system master code, view the event log, set the system clock, program keyboard macro, program scheduled events, activate output devices (triggers/relays) VISTA-20P. The same as Master, with the exception of only add/remove users restricted to the specified partition (different permissions can be assigned to these users if you wish; any user can be assigned to the level of the main authority of the partition) perform only security functions (arm, disarmament, etc.); cannot add or remove users, view the event log, set the system clock or scheduled events of the program only if it was used to tune the system, perform security functions, but also quietly send a sanctions message to central station; reports as the user number of the sanctions code. VISTA-20P. See section master paragraph above; used to assign other user numbers as partition masters System Master 02 Partition Master (default) 0-User 1-Arm Only 2-Guest 3-Duress 4-Partition Master P1 = 03 P2 = 3 3 03-4 9 (V20P) 03-33 (V15P) See user see user For detailed instructions on adding/removing security codes and changing user attributes in the user manual. The following is a brief description of how to add user codes. Changing the system master code... Using setup code: Installation code + [8] + 02 + new code Use of the main code of the current system: System master code + new code Re-add user code: Main code + [8] + 2-digit user number. + user code Deletion of user code: Main code + [8] + 2-digit user number. + [#] [0] Set properties: Main code + [8] + 2-digit user No. + [#] [attribute No.] + value Attributes: Values 1 = Authority level 0-4 (see above authority level 0-8 (0 = not assigned to group) 3 = Active partitions 1, 2, 3 (generic) for this user; Type the partitions sequentially if there is more than one partition, and press [#] to finish the entries. 4 = radio frequency zone No Specifies the user number for the arm/disarmament button type zone (the key fob must first be registered in the system; see the Wireless Models section of the Programming Guide). 5 = Open/close paging 1 if yes, 0 no 3-5 Keyboard functions in the Installation and Installation Guide Below is a short list of system commands. For more information about system functionality, see the User's Guide. Users of a touchscreen-style keyboard are Display keyboard (AUI) user guide. Voice keyboards 6150V/6160V sound keyboards have the following features: • Message Center, which allows the user to save and play a single message. • Sound status, which can indicate the status of the system by pressing the STATUS key. • A sound clock that can alert users to opening doors/windows when the system is disconnected. For more information about activating and using these features, see the User's Guide. Keyboard commands Function Silence Burglar alarms Silence fire or Hassle Alarms Arming one button on the quick arm Alarm Arming Memory Off Description Pressing any key silences the keyboard silencer for 10 seconds. System disarmament (security code + OFF) silences both keyboard and external sounders. Press off [1] to turn off the keyboard sound and smoke alarms. The sound of the detector stops when the contaminated air is removed from the detector; For more information, see the indicator documentation. If enabled (field *21), you can press [#] instead of the system security code and the weapon key you want (Away, Stay, Instant, Maximum) If programmed (*57 Function key menu mode), the letters A-D can be used for weaponisation using options 3-AWAY, 4-STAY or 6-Step-Arming If used, no security code is required to arm the system. Once the system is disarmed, all zones that were on alert during the armed period will be displayed. To clear this screen, repeat the disarmament sequence (enter the security code and press the keyboards with the appropriate letter (see Single-button weaponisation above). If auto-stay arm is enabled (field *84) and the entrance and exit door is not opened and closed during a programmed exit delay, the system automatically tuns in STAY mode if it is equipped with a wired keyboard (other than an RF device). If the door is opened and closed during the clock-out delay, the system will be weaponged in AWAY mode. Enter the code + STAY [3] or just press the appropriate key on the keyboards (see Arming One Button above). For more information about arming automatic waste, see Arming Away. Enter the code + STAY [3] or just press the appropriate key on the keyboards (see Arming One Button above). Enter code + INSTANT [7]. Enter the code + MAXIMUM [4] or press the key with the letters on the keyboards (see Single-button arming above). Enter the code + OFF [1]. If the entry delay or alarm is active, you do not need to press OFF. Enter code + BYPASS [6] + zone number(s). To automatically bypass all faulty zones, use the Quick Bypass method. Enter the code + BYPASS + [#] and then display all open zones. Arm when the display points to ZONE BYPASSED and READY TO ARM. Enter code + CHIME [9]. To turn off the clock, type the code + CHIME again. If relay outputs (4204 or 4229) or Powerline Carrier devices are used, including two keyboards available to the user. If these markings are programmed, they may be used to manually activate or deactivate devices to start or stop some functions, such as turning on or off lights, etc. These keyboard entries are: [Security Code] + # + + 7 + [2-digit Device #] activates (starts) the device. [Security code] + # + 8 + [two-digit device #] deactivates (stops) the device. Arming Stay Arming Night-Stay Arming Instant Arming Mode Delay AWAY NIGHT STAY Yes Yes Yes Properties for each arming mode input delay Yes Indoor installed Yes Not only the zones listed in the NightStay zone list No Yes INSTANT MAXIMUM Yes Panic keys (A, B, and (C) that, if programmed, it can be used to manually trigger alerts and send a report to central station. Each key can be programmed into a 24-hour silent. 24-hour Audible. Fire or Personal Emergency response. The programmed panic response is activated when the appropriate button is pressed for at least 2 seconds. The system identifies panic keys as follows: Keys [A] (*/1) * [B] (*/#) * [C] (3/#) Displayed as zone 95 99 96 IMPORTANT: For the silent panic function (if programmed) to be practical, you must program the report code to the zone and connect the system to the central station. Setting a real-time clock IMPORTANT: You must set the real-time clock before the end of the installation. NOTE: All partitions must be disarmed before a time/date can be set. Set time and date as follows: 1. (Main code) +[#] + [6] [3] Alpha display: DISARMED TIME/DATE SAT 04:04PM 10/17/00 2. Press [*] when the time or date appears. The cursor appears under the first number of the hour. To move the cursor forward, press [*]. Press [#] to return. • Enter a two-digit hour setting. • Enter a double-digit minute setting. • Press [1] pm or [2] am. • Enter the last two digits of the current year. • Enter a two-digit daily setting. 3. To exit, press [*] when the cursor is at the last digit, or wait 30 seconds. Current time display Time/date editing screen TIME/DATE SAT 04:04P2000/10/17 3-7 Installation and installation guide Various system problem displays Alpha Display ALARM CANCELED Fixed Meaning Disp. CA appears if there was a fault in the exit or interior area during closing when the exit delay ended (e.g. the exit door remained open), but the exit door remained open), but the exit door remained open). was disabled during the delay in entry. The alarm sound and keyboard sound constantly, but stop when the system is disconnected. No message will be forwarded to Central Station. Appears when: The delay ends if there was a fault in the exit or internal area during closing. The alarm sound and keyboard tone are continuously always anded until the system has disconnected (or a timeout occurs). An Exit Alarm message will be sent to Central Station. The result is also an alarm from the exit or internal area within 2 minutes of the end of the exit delay. Indicates that there is a problem with the zones displayed that requires attention. Indicates that communication between the control and the zone extender or wireless receiver is interrupted, giving the device an address of xx. Check the wiring and DIP switch settings for the units. If the value in the *199 field is 1. all ECP module problems are displayed as 91. If there are wireless sensors, the Scan mode may also be due to a change in the environment that prevents the receiving signals from a specific sensor. Without a zone number, the system standby battery is weak. The zone number and once-a-minute beep on the keyboard indicate that the wireless sensor on the display has battery status (zone 00 stands for wireless keyboard). If the battery is not replaced within 30 days, a CHECK display may appear. NOTE: Some wireless sensors have a non-replaceable long-lasting battery that requires replacing the entire device at the end of battery life (e.g. A telephone line fault means that the monitored phone line (if programmed in the *92 field) has been disconnected or disconnected a problem sound, and the external recording artist can be activated. To silence, enter the setup code + OFF. NOTE FOR CANADIAN PANELS: The power supply time is 2 minutes, and CID code 305 System reset is sent if the [#] + [0] command is not executed before the 2-minute expiration. The system is connected to the central station for activity or status verification. Power failure If there is no keyboard display at all and the LED keys are open, the system power (AC and battery) has stopped and the system is not working. If you receive the message AC LOSS or NO AC (Fixed Word on-screen keyboards), the keyboard runs only on battery power. If the battery standby capacity is used during a prolonged AC power outage, the power management is switched off to minimize the deep drainage of the battery. Communication error. The keyboard does not receive signals from the controller; sees an open circuit. There was a communication error on the Backup Communication Device (LRR). Watch surveillance isn't working. Radio frequency jam detected. The wireless keyboard is low on battery. The selector test has been successful (CID code 601). Phone dialer is disabled. The walking test mode is active (CID code 607). Nniiden or the charging session is complete. The download or download session failed before completion. EXIT ALARM EA CHECK ALARM 1xx FAULT 1xx CHECK 1xx CHECK 1xx 1xx 91 SYSTEM LO BAT BAT TELCO FAULT 94 Busy-Standby dl Modem Comm no display CC 70 90 00 BAT Cd d0 dC dF 3-8 S E C T I O N 4 Testing of the test procedures After installation, the following tests: System Test: Verifies that all zones are installed correctly and that the system Test: Verifies that all zones are installed correctly. Go/No Go test: Verifies that transmitters can be received from transmitters. It must be run before the transmitters are permanently installed. RF Sniffer Mode: Verifies that the serial numbers of the radio frequency transmitter are registered correctly. Battery tests: The system performs automatic battery tests. System Test NOTE: You can enter test mode from any keyboard. However, faulty zones appear only on the keyboards that are assigned to the partition 1 zones appear only on partition 1 keyboards, etc.). To see faulty zones in another partition, view the keyboard associated with the partition, or use the GOTO command (code +[*] + partition number 0-3, where 0 is the home partition of the keyboard). When the system is disarming, verify that all zones in the partition being tested are intact (no faults). Doors and windows with contacts must be closed, PIR cloths must be covered (if necessary, use a cloth to cover them temporarily). If you receive a NOT READY message, press the [*] key to display the faulty zones. If necessary, restore the faulty zones so that the READY message appears. 1. Enter the setup code + 5 [TEST], and then press the 0 button to start the walking test mode. 1=DIAL, 0=WALK (no special display on Fixed Word keyboards) The starting keyboard displays the following and a contact ID report is sent (code 607): TEST RUNNING (dd appears on fixed Word on-screen keyboards) 2. When you enter system test mode, external audio should sound for 1 second. If the backup battery is emptied or missing, the recording artist may not turn on and the LOW BATTERY report will be sent with the TEST report. The keyboard sounds a beep every 30 seconds or so as a reminder that the system is in test mode. NOTE: Wireless motion sensors (passive IR units) only send signals if they have been inactive for 3 minutes (saving battery life). 3. Test all sensors as described in the User's Guide System Testing. 4. After checking the sensors, turn off the entering setup code + + NOTE: The test mode will end automatically after 4 hours. In the last 5 minutes (after 3 hours of 55 minutes of test mode), the keyboard emits a double beep every 30 seconds to indicate that the end of the test mode is approaching. Checking the registration of the transmitter (sniffer mode) In this mode, make sure that all transmitters are programmed correctly. Make sure both partitions are disarmed before attempting to enter this state, as this is a system-wide command. 1. Press [Setup Code] + [#] + 3 on the keyboard in section 1. NOTE: If the communicator is sending a report to central station, the system will not enter Sniffer mode. If so, wait a few minutes and try again. Keyboards on both partitions display all zone numbers for wireless units (both sections) programmed into the system. In turn. each transmitter fails and everyone sends a signal. When the system receives a signal from each transmitter, the transmitter zone number disappears from the display. 2. After checking all transmitters, press the [Setup Code] + OFF button to exit snooper mode. You need to exit sniffer mode manually (entering [Installer Code] + OFF) to return to normal operation. 4-1 Installation and installation instructions NOTE: • All BR-type units must be physically activated to clear the display. • When one transmitter button (RF, UR, or BR) is activated, all zones specified for the other buttons on the transmitter are cleared from the display. This also applies to 5816 and 5817 transmitters with multiple loops (zones). • A non-registered transmitter will not turn off its zone number. Go/No Go test mode The Go te installation of the transmitters. This mode resembles the test mode of the transmitter, except that the wireless receiver's verification decreases. This allows you to ensure that the radio signal of each transmitter is received with an adequate signal amplitude when the system is in normal operating mode. 1. Enter [Setup Code] + [#] + 4 from the partition to be tested. For multi-partition systems, repeat this test for each partition. 2. After inserting the transmitters to the desired location and sensors, the estimated length of the wire is connected to the screw button of the transmitter (if used), the fault with each transmitter. Do not perform this test wrapped around the hand transmitter as this will cause inaccurate results. A. Three beeps are heard on the keyboard to indicate the signal reception and to display the zone number. B. If the keyboard does not beep, redirect the transmitter or move it to another location. Usually inches in each direction is all that is 4 If each transmitter produces the correct keyboard response when it is defective, you can install each transmitter permanently according to the instructions that are included with them. 5. Exit go/no go test mode by entering: [any user code (partition specific)] + OFF. Selector communication test and periodic test reports 1 Enter the setup code + 5 [TEST] and press prompt 1 to start the dialer test (check only the integrity of the phone line; does not confirm notifications). 1=DIAL, 0=WALK (no special display on fixed Word keyboards) The following screens are displayed (together with 2 beeps) if the test is successful: PHONE OK (The CD appears on the fixed Word on-screen keyboards) A Contact ID report is also sent (code 601) If the NUMERIC DIALER test is not successful, COMM FAILURE (or FC) is displayed. 2. Clear the display and exit by entering setup code + OFF. Automatic periodic test report The system can be set to automatically submit test reports (enabled in field *64; Contact identification code 602) at certain intervals. The frequency of reports is set in scheduling mode (event 11) or the following key commands: setup code + [#] + 0 + 0 = test report sent every 24 hours setup code + [#] + 0 + 0 = test re report sent every 28 days Each mode sets schedule 32 (VISTA-20P) or schedule 08 (VISTA-15P) to the selected playback option; the first test report shall be sent 12 hours after the command. To ensure that test reports are submitted at expected times, set the real-time clock at the right time before entering the schedule command for the test report. Automatic standby battery tests 1. The automatic test shall be carried out every 3 minutes to ensure that the standby battery exists and is connected correctly. If the battery does not exist or is not connected correctly, a LOW BATTERY message appears and if it is programmed, it is reported to the central station. 2. The battery capacity test shall be carried out automatically for 2 minutes every 4 hours starting the test mode also causes the battery capacity test to begin. If the battery cannot withstand the load, a Low Battery message appears and if it is programmed, the central station will be notified. 4-2 S E C T I O N 5 Technical specifications & amp; accessories Safety supervision 1. Physical: 12-1/2 W x 14-1/2 H x 3 D (318mm x 368mm x 76mm) 2. Electricity: VOLTAGE INPUT: 16.5VAC plug-in 25VA transformer, ADEMCO 1321 (U.S.) RECHARGEABLE SPARE BATTERY: 12VDC, 4AH (closed lead acid type). Charging voltage: 13.8VDC. ALARM SOUND: 12V, 2.0 Amp output can run one or two 702 (series connected) independent 20 watt sirens. Do not paste 702 side by side. EXTRA POWER: 12VDC, 600mA max. NOTE: UL UL The alarm sound and the additional current shall not exceed the total amount of 600 mA. FUSE (if installed): Battery (3A) No. 90-12 (The PC may have a PTC device instead of a fuse. PTC automatically acts as a reset fuse.) 3. Communication: SUPPORTED FORMAT: ADEMCO Express: 10 characters per second. TouchTone (TouchTone) Data sounds, 1400/2300Hz ACK, 1400Hz ACK/KISSOFF. ADEMCO Low speed: 10 pulses/s, 1800 Hz data sound, 2300Hz ACK/KISSOFF. Can be reported 0-9, B-F Ademco Contact ID 10 characters per second, DTMF (TouchTone) Data Tones, 1400/2300Hz ACK, 1400Hz KISSOFF, LINE SEIZE: DOUBLE-BUTTON RINGTONE MATCH: 0.1B FCC REGISTRATION NUMBER: 5GBUSA-44003-AL-E 4, Maximum zone resistance: Ranges 1 to 8 = 300 ohm except standard EOLR zones Compatible devices Keyboards; 6150 Fixed Word keyboard, 6160 Alpha keyboard, 6150V and 6160V Voice keyboards, 6270 Touchscreen Keyboard, 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 5800TM Transmitter module (used with wireless 2-way keyboards) 5883 Transceiver: accepts system maximum transmitters 6160RF keyboard/transmitter receiver: accepts up to 16 transmitters 6150RF keyboard/transmitter receiver: accepts up to 16 transmitters 6160RF keyboard/transmitter receiver: accepts up to 16 transmitters 6150RF keyboard/transmitters 6160RF keyboard/transmitter receiver: accepts up to 16 transmitters 6160RF keyboard/transmitters 6160RF keyb LAAJENNUSMODUULI 4229 LANGALLINEN LAAJENNUS/RELAY MODULE Relemoduuli: 420 4 RELAY MODUULI Puhelinmoduulit: 4286VIP PUHELINMODUULI Viestintä 7845GSM, 7845i-GSM, GSMV-laite: (Kaukoradio) 5-1 Asennus- ja asennusopas 2-lankainen palovaroitin : Ilmaisintyyppi Valosähköinen w/lämpöanturi Valosähköiset muuntajat: Sounderit: Järjestelmäanturin malli nro 2WT-B 2W-B 2151 w/B110LP base 1321: 16.5VAC, 40VA Powerline Carrier device Interface AC Transformer AB12M 10 Moottoroitu kello & amp; laatikko 1011BE12M 10 Moottoroitu kello & amp; laatikko 702 Ulkosiireeni 719 2-kanavainen sireeni 713 Suuritehoinen kaiutin 746 Sisäkaiutin 747 Indoor Siren 747UL Indoor Siren 747UL Siren 748 Kaksiääninen Sireeni 749 Kaiutin/Torvi 744 Sireeniohjain 745X3 Äänisiirtymäohjain 705-820, 5 tuuman pyöreä kaiutin 713 Kaiutin WAVE WAVE2 Kaksisävyinen Sireeni WAVE2PD Kaksisävyinen Piezo Dynamic Siren 5800WAVE Langaton sireenijärjestelmän anturi PA400B (beige)/; PA400R (red) Indoor Piezo Sounder 5-2 S E C T I O N 6 Regulatory Agency Statements Federal Communications Commission (FCC) Part 15 The user may not make any modifications or modifications or modifications to the device unless authorized by the installation instructions or instructions or instructions for use. Unauthorized by the installation instructions or instructions for use the device. with the limits of the Class B digital device according to Part 15. accordance with article 10 of FCC rules. These boundaries are designed to provide reasonable protection against harmful disturbances in the residential building. This device produces, uses and can emit radio frequency energy and, if not installed and used as directed, can cause harmful interference to radio communications. However, there is no guarantee that the malfunction will not occur in a particular installation. If this device causes harmful interference to a radio or television reception that can be determined by turning off the appliance and switching it on, the user is advised to attempt to correct the malfunction by one or more of the following measures: • Reinsert or move the receiving antenna. • Increase the separation between the device and the receiver is connected. • Ask your dealer or experienced radio/TV technician for assistance. This B-class digital device is an agglomeration of a Canadian ICES-003 device. Cet appareil numérique de la classe B est follows à la norme NMB-003 du Canada. FCC/IC STATEMENT This device complies with Part 15 of the FCC Rules and Industry Canada RSS 210. The following two conditions apply: (1) This appliance must not cause harmful interference and (2) This device must accept any interference that may cause unwanted malfunctions. 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' disorders nuisibles. (2) Cet appareil doit accepter toute interferences causant une reception indésirable. PHONE/MODEM INTERFACE FCC Part 68 This device complies with Part 68 of the FCC Regulations. On top of the front cover of this device is a label containing the FCC registration number and the Ringer Equivalence Number (REN). This information shall be provided to the telephone company upon reguest. This device uses the following USOC connector: RJ31X This device must not be used in a coin service provided by a telephone company. The link with party lines is subject to state tariffs. This device is compatible with the hearing aid. Industry Canada Label identifies certified devices. This certification means that the device meets the protection, operation and safety requirements of the telecommunications network, as provided for in the relevant documentation (documentation) on the technical requirements of terminal equipment. The compartment does not guarantee that the device will operate to the satisfaction of the user. Before installing this device, users shall ensure that access to the premises of the local telecommunications company is permitted. The device shall also be installed using an acceptable method by which: The Customer must be aware that compliance with the above conditions does not necessarily prevent the service from deteriorating in some situations. Repairs to certified equipment are coordinated by a representative appointed by the beggar. Repairs or modifications or equipment failures made by the user to disconnect the device. Users should ensure, for reasons of their own protection, that the electrical paint positions of the electricity plant, telephone lines and the internal metal water supply system, if any, are interconnected, this precaution may be particularly important in rural areas. Warning: Users should not attempt to make such connections themselves, but should contact the appropriate electrical inspection authority or electrician if necessary. Ring tone matching number notification: The Ringer Equivalence Number (REN) assigned to each terminal indicates the maximum number of terminal devices to be connected to the telephone connection. The end of an interface may consist of any combination of devices which only requires that the sum of the ringtone matching numbers of all devices does not exceed 5. Industry Canada label identifies approved material. This marking proves that the device complys with the protection, operation and safety requirements of telecommunications networks in accordance with the documentation relating to the technical requirements of the terminal equipment. However, the device, the user must ensure that it is allowed to connect it to the premises of the local telecommunications company. The device must also be installed using an approved connection method. The Customer must not forget that compliance with the above conditions does not necessarily prevent the service from deteriorating in certain situations. Repairs to nominal equipment shall be coordinated by a representative appointed by the supplier. The telecommunications company may ask the user to unplug the device due to user repairs or changes or malfunctions. For their own protection, the user shall ensure that all earth lines, telephone lines and any metal aqueducts of the electrical energy source are interconnected. This precaution is particularly important in rural areas. Warning: The user should not attempt to make these connections themselves; He's got to. 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 raccoons 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'inindeksis d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.6-1 Installation and installation guide UL NOTIFICATIONS 1. Feed delay Nos. 1 and No 2 (fields *35, *36) shall not exceed 30 seconds for UL Residential Burglar Alarm installations, the total delay in entry shall not exceed 45 seconds. For UL Commercial Burglar Alarm and UL Residential Burglar Alarm installations with line safety, the total exit delay shall be made up to 0 (unlimited) * per 93 fields) for UL installations. Periodic testing (see scheduling mode) shall be at least every 24 hours. The alarm sound and the additional current shall not exceed the total amount of 600 mA for UL installations (Aux power up to 500 mA). All sections shall be part of a single building at one street address. If a sound alarm device or apparatus is used, it shall be located where it is heard by all partitions/ them. The tampering switch installed to protect the door of the control unit housing is suitable for this purpose. Remote downloads without an alarm company technician on site (without separate charging) are not allowed for UL installations. Automatic disarmament is not a feature in the UL list. Since the SIA limit values for alarm reporting and call delay may exceed ul limits for commercial and residential applications, the ul requirements for ul681 are as follows: The maximum time that the control unit is programmed to delay transmitting the signal to the remote control site, or delaying the energization of the local alarm sounding device so that the operator of the alarm system can enter and disassemble the system and exit shall not exceed: (a) 60 seconds in a system with normal line security or encrypted line security. (b) 120 seconds in a system without standard line security or encrypted line protection, or (c) 120 seconds in a system that does not send an alarm signal to a remote control point. This control is not intended for bank security and inventory applications, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, SIA Ouick Reference Guide 1, *31 One per zone; If 0 is selected, the alarm tone per zone is the number of notifications in field *93 (1, if one report, 2 if 2 reports, unlimited zones in Zone 7) during the armed period. *34 Clock-out delay is at least 45 seconds. *35/*36 Entry delay 1 and 2: Minimum entry delay is 30 seconds. *37 Audible output warning: The feature is always in use; field does not exist, *39 Power Up in previous mode; Must be 1, power up in previous mode, *40 PABX Access Code or Call Waiting Disable; If call wait setting in the *91 field must be set, *50 Break-in delay; The delay must be at least 30 seconds, *59 Exit Error Alarm Report Code; Always enabled. *68 Cancel report code: Default is code enabled. *69 Recent closing report code: Always in use. *91 Option Selection: Exit Delay setting is used, call waiting must be set to 1 (enabled). *93 No. reports at armed times: Must be set to 1 or 2 pairs of reports. Cross-zone timer programming is set to *85; cross-zone pairs are defined in zone list 4 *81 zone list mode. The forced code is set up by using the Add User Code procedure in the user manual. Enable sanctions code reporting according to programming zone 92 *56 zone programming mode. Smoke alarm check is a built-in system feature when the zone is programmed to zone 16. 2. 3. 4. 5. 6. 7. 8. 9 10. 11. 12. 13. 14. 15. 6-2 S E C T I O N 7 Limitations and Warranty Although this system, it does not provide guaranteed protection against break-ins, fires or other emergencies. All alarm systems, be they commercial or residential, are compromised or not warned for a number of reasons. For example: • Intruders may enter unprotected openings or have the technical sophistication to bypass the alarm sensor or disconnect the alarm warning device. • Penetration detectors (e.g. passive infrared detectors), smoke alarms and many other sensor devices do not work without power. Batteries or if batteries do not work without batteries are not inserted correctly. AC-only devices do not work if they are switched off for any reason, albeit briefly. • Signals emitted by wireless transmitters may be blocked or reflected by metal before they reach the alarm receiver. Even if the signal path has recently been checked during the weekly test, the blockage may occur if the metal object is transferred to the path. • The user may not be able to access the panic or emergency button quickly enough. • Although smoke alarms have played a key role in the In the United States, they may not activate or issue early warning for many reasons in up to 35 percent of all fires, according to data released by the Federal Emergency Management Agency. Part of the reason for the smoke devices used with this system may not work as follows, Smoke alarms may have been incorrectly installed and installed. Smoke alarms may not detect fires that start where smoke cannot reach detectors, such as chimneys, walls or ceilings, or on the other side of closed doors. Smoke alarms may also not sense a fire at another residential or building level. For example, a secondfloor detector may not sense a fire on the first floor or basement. Finally, the smoke alarm has sensory limitations. No smoke alarm can sense any kind of fire every time. In general, detectors may not always warn of fires caused by negligence and safety risks such as smoking in bed, violent explosions, escaping from gas, improper storage of flammable materials, overloaded circuits, fires caused by children playing with fire or arson. Depending on the nature of the smoke alarm, the detector may not provide an adequate warning, even if it works as expected so that all passengers can escape in time to prevent injury or death. • Passive infrared motion sensors detect intrusion only in the intended areas of operation as described in the installation manual. Passive infrared detectors do not protect the volumetric range. They create multiple security bars, and penetration can only be detected in the accessible area covered by these bars. They are unable to detect movement or penetration that occurs behind walls, ceilings, floors, closed doors, glass parts, glass doors or windows. Mechanical tampering, covering, painting or spraying of any material in a mirror, windows or part of an optical system may impair their ability to detect. Passive

infrared detectors sense changes in temperature; However, when the ambient temperature in the protected area approaches the temperature range of 90°-105°F (32°-40°C), the detection power may decrease. • Alarm warning devices, such as sirens, bells or horns, must not warn people or wake sleepers if they are located on the other side of closed or partially open doors. If the warning devices are located on a different level from the bedrooms. Even people who are awake may not hear a 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, be they how loud or may not warn the hearing impaired. • The telephone lines at risk. • Even if the system responds as intended for an emergency, residents may not have enough time to protect themselves from an emergency. • This appliance, like other electrical appliances, is defective. Although this device is designed to last up to 10 years, electronic components can fail at any time. The most common reason for an alarm system that does not work in the event of an intrusion or fire is inadequate maintenance. This alarm system shall be tested weekly for all sensors and transmitters to function correctly. The safety keyboard (and remote control) shall also be tested. Wireless transmitters (used in some systems) are designed to extend battery life under normal operating conditions. The longevity of batteries can be up to 4-7 years, depending on the environment, usage and wireless device used. External factors such as humidity, high or low temperatures, as well as large temperature fluctuations, can all shorten the actual battery life in any installation. However, this wireless system can recognize the actual low battery change time to remain at this point in the system. Installing an alarm system may make the owner entitled to a lower insurance price, but the alarm system does not cover the insurance. Homeowners, property owners and landlords continue to act cautiously in protecting themselves and property. We are still developing new and improved protective equipment. Users of alarm systems owe it to themselves and their loved ones to learn from this development. WARNING LIMITATIONS OF THIS ALARM SYSTEM 7-3 Installation and Installation Guide - INDEX - 1321 2-3, 2-11 1361X10 2-3, 2-11, 2-12, 5-2 3+1 and 4+1 Standard formats 3-1 4204 1-2, 2-2, 2-5, 2-6, 2-11, 3-6, 5-1 4219 1-1, 1-2, 2-2, 2-5, 2-6, 2-11, 3-6, 5-1 4219 1-1, 1-2, 2-2, 2-5, 2-7, 2-8, 5-1 .. 2-9 5827BD 2-9 5881 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..... 3-3 Alarm output 3-6 Arming mode 3-7 Arming Stay.... 3-6 Sound Authentication (AAV) 2-13 AUI 2-5 Authority levels 3-5 Additional output 2-2 Spare battery 1-2 Battery life 2-9 Battery tests 4-1, 4-2 Bypass areas 3-6 Cabinet.... 2-1 CALIFORNIA STATE FIRE MARSHALL 2-13 Charging voltage.... 5-1 Barrel mode 3-6 Clean me up option...... 2-7 Communication..... 3-1, 5-1 Communication device (LRR)... 2-5, 5-1 Contact identity Reporting 5-1 CSFM 2-2 Current draw worksheet 2-2 Device address 2-5, 2-11, 3-8 Selector communication test...... 2-9 Disarmament 3-6 Double balance 2-6 Entry delay..... 3-7, 3-8 EOLR 2-6, 5-1 Exit Delay 3-7, 3-8 Exit error alarm 3 Clear error alert 3-8 Expansion Zones... 2-7 Fast busy signal.... 2-13 Fire verification... 2-7 Go/No Go Test Mode..... 4-2 Handshake 3-1 Hardwired zones 1-1 HAYES Modem 1-1 House ID 2-9 Ideal model 61-035 2-3 Installer code 4-1, 4-2 Keyboard addresses 2-5 Keyswitch 2-10, 3 Kiss 3-1 Lock 2-1 Low charge message 4-2 Model 112 Tamper switch 2-10 Modem 3-8 On board triggers.... 2-14 Starting relays 4-2 Phone line 2-13 Phone module1-1, 2-2, 2-5, 2-13, 2-14, 51 Power outage 3-8 Power supply 2-2, 2-4, 7-3 Power line carriers1-2, 2-11, 3-6 PSC04 Powerline Interface...... 2-11 Relay 2-11 Report code 3-1 Report code formats 2-7 RF house passcode 2-8 RF jam detection.... 1-1 RF Jam option 2-8 RF receiver 2-1, 2-2, 2-5, 2-8, 3 RJ31X Jack 2-13 SA4120XM-1 cable.... 2-3 Security codes 1-1, 3-5 Silent burglary 3 Quiet panic 3-7 Sniffer Mode 2-4 System Communication.... 3-1 System test 4-1 Tampering switch 2-10, 6-2 Telco Line.... 2-13, 3 Phone line monitoring 1-1 Test mode 4-1 1, 4-2 Transmitters 2-9 Trigger outputs 2-12 Problem displays...... 3-7, 3-8 UL 2-2, 2-4, 2-11, 5-1, 6-2 Wire Run Chart.... 2-4, 2-5 Zone doubles TO ENSURE THE PROPER FUNCTIONING OF THIS SYSTEM, A 2-6 7-4 + 5 4-CABLE SMOKE ALARM CONNECTION RELAY BLK + RED WEEKLY TESTING IS REQUIRED. IN ADDITION, A QUALIFIED TECHNICIAN MUST INSPECT THIS SYSTEM AT LEAST EVERY THREE (3) YEARS AUX PWR OUTPUT CONNECTORS FOR BATTERY FUSE (IF INSTALLED.) 3A REPLACEMENT, USE THE SAME VALUE (E.G. SEE INSTRUCTIONS. FOR COMPLETE INFORMATION, SEE K5305-1V9 OR LATER. (USE SA4120XM-1 CABLE) OR A 24-HOUR BATTERY STANDBY SPACE IS REQUIRED FOR FIRE INSTALLS. USE A 12V, 17.2AH BATTERY 600MA AUX POWER. SEE INSTRUCTIONS. FUSE NOTE CAN BE PTC INSTEAD OF FUSE. 1 SYNCHRONIZE COM DATA AND/OR GND 2 3 4 5 6 7 8 N.O. BLK RED GRN YEL ADEMCO NO. 4219 WIRED EXPANSION MODULE (8 ADD'L EOLR WIRED ZONES) AND/ORADEMCO NO. 4229 WIRED EXPANSION/RELAY MODULE (8 ADD'L EOL FOR THE SET UNIT DIP SWITCH FOR DEVICE) ADDRESSES 7 THROUGH 15, SEE INSTRUCTIONS FOR THE SET-ZONES PLUS 2 OUTPUT RELAYS) AND/ORADEMCO NO. 4204 RELAY MODULE (4 OUTPUT RELAYS). TOUCH OPENS MOMENTARILY WHEN THE FIRE ALARM IS RESET + OUTPUT 18 (TRIG. 2) CHARGING VOLTAGE 13.8VDC. MAXIMUM CHARGING CURRENT 650mA. BLK RED GRN YEL CLOSED LEAD ACID TYPE. THE BATTERY USUALLY DOES NOT NEED TO BE REPLACED FOR AT LEAST 3 YEARS. (TRIG. 1) RED +12 AUX BATTERY CAPACITY IN EMERGENCY READINESS USE AT LEAST 4 HOURS BLACK FOR TRANS. PURPLE 4-WIRE SMOKE OR COMBUSTION DETECTOR BATTERY 12V, 4AH OUTPUT 17 PROGRAM OUTPUT 17 OUT NORM LOW = YES 79 MENU MODE AND ZONE TYPE 54 80 IN MENU MODE MAX. POWER = 100 MA EOL POWER MONITORING RELAY MODULE EOLR-1. USE THE N.O. TOUCH THAT CLOSES WHEN POWER IS APPLIED. 2000 OHMS TO EOLR ZONE TERM. (+) ZONE TERM. (+) ZONE TERM. () TO DETERMINE THE TOTAL BATTERY STANDBY LOAD, ADD 100 MA AUX. ADEMCO 5881* TYPE RF RECEIVER WIRELESS ZONES 5881L: UP TO 8 5881M: UP TO 16 5881H: UP TO 56*5882 IN CANADA SET RECEIVER DIP SWITCH TO ADDRESS 0 OF THE DEVICE. SEE INSTRUCTIONS. USE OF THE THERMAL DETECTOR UL LISTED LIMITED ENERGY CABLE FOR ALL CONNECTIONS LO HI LO 1 3 5 6 4 11 12 16 15 2 7 8 9 10 13 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. 25VA) ADEMCO No 1321). (UP-TO-DATE OPERATION NO. 1321CN IN CANADA) USE THE 1361X10 TRANSFORMER SOCKET INSTEAD OF 1321 OR 1321CN WHEN USING POWER LINE CARRIERS. (SEE INSTRUCTIONS FOR CONNECTIONS.) ZONE 1 ZONE 2 ZONE 3 ZONE 7 ZONE 8 ZONE 5 BLACK: KEYBOARD GROUND (-) RETURN ZONE 6 VISTA-20P ONLY 110VAC CORDLESS SOCKET (24HR) AUX. POWER 10.5-13.8VDC 600MA MAX. (UP TO 500MA FOR UL INSTALLATIONS) ALL OUTPUTS ARE POWER-LIMITED. BLK GREEN: INFORMATION ABOUT THE KEYBOARD RED: KEYBOARD PWR (+) YELLOW: KEYBOARD INFORMATION OUT THIS DEVICE MUST BE INSTALLED ACCORDING TO NATIONAL FIRE PROTECTION ASSOCIATION (72) (BATTERY-MARCH PARK, QUINCY, MON 02169). THIS DEVICE SHALL BE ACCOMPANIED BY PRINTED INFORMATION DESCRIBING THE INSTALLATION, TESTING, MAINTENANCE, EVACUATION PLANNING AND REPAIR SERVICE. 2000 OHMS EOLR 2000 OHMS POWER FROM TERMS 4 & AMP; 5 SHALL BE INCLUDED IN THE AUX POWER DRAIN CALCULATIONS. REMOTE KEYBOARDS AND OTHER POINTABLE DEVICES (E.G. 5800TM, 4286, GSMV, 4219, 4229, 4204, 5881) 12 13 14 CAN BE USED FOR 2 WIRELESS SMOKE DETECTORS 2k 2k 2k THUMBING CONTACTS Fig. 17. Summary OF CONNECTIONS ALARM POWER 10.5-13.8VDC, 2A MAX. (UP TO 600 MA FOR UL USE, INCLUDING AUX POWER) FOR STABLE BREAK-IN/PANIC, TEMPORENCE SOUNDS LIKE FIRE. CAN USE ADEMCO NO. 702 SIREN OR 12V BELL). SEE INSTRUCTIONS. TO MONITOR YOUR WATCH, ENABLE FIELD 91 AND CONNECT THE 820 OHM RESISTANCE DIRECTLY OVER THE EXTERNAL SILENCER. FOLLOW FCC RULES, PART 68. FCC REGISTRATION NUMBER 5GBUSA-44003-AL-E RINGER MATCH: 0.1B. THE CONNECTION OF THE FIRE ALARM SIGNAL TO THE FIRE ALARM HEAD OR CENTRAL STATION SHALL ONLY BE PERMITTED WITH THE PERMISSION OF THE COMPETENT LOCAL AUTHORITY. THE BURGLAR ALARM SIGNAL SHALL NOT BE POLICE 911. REMOTE KEYBOARDS CAN USE OR 6160 KEYBOARDS. LOCAL PROGRAMMING MUST BE DONE WITH 6160, BUT IT DOES NOT HAVE TO REMAIN IN THE SYSTEM (ADDRESS 16). ALL EQUIPMENT AND ACCESSORIES USED FOR INSTALLATION IN CANADA MUST BE LISTED FOR USE IN CANADA ADEMCO VISTA-20PSIA SERIES / VISTA-15PSIA SERIES SUMMARY OF CONNECTIONS L 2000 OHMS EOLR 1 RINGTONE TIP (BROWN) (GREY) HANDSET TIP (GREEN) RINGTONE (RED) } TELEPHONE CABLES FOR 10 INCOMING TELEPHONE LINES (RJ31X* VIA CONNECTOR AND DIRECT CONNECTION CABLE) *CA38A IN CANADA DOC LOAD NO.: 3 EARTH GROUND SEE INSTRUCTIONS FOR PROPER EARTHING FOR CONNECTING OPTIONAL 4286 VIP MODULE FOR CONNECTING TELEPHONE TERMINALS. SEE INSTRUCTIONS. WARNING: TO PREVENT THE RISK OF ELECTRIC SHOCK, DISCONNECT THE TELEPHONE LINE FROM THE TELCO CONNECTOR BEFORE USING THE APPLIANCE. • MAXIMUM LOOP RESISTANCE: (IN EACH ZONE) 300 OHMIA (PLUS EOLR) • RESPONSE, ZONES 1-8: 10, 350 OR 700 MSEC (PROGRAMMABLE) • MAXIMUM NUMBER OF 2-WIRE SMOKE DETECTORS IN ZONE 1 IS 16; THE COMPATIBILITY IDENTIFIER OF THE DETECTORS SHALL BE A. OFF THE SENSOR DETECTION PROCESSING IF THE CONTROL VOLTAGE DROPS BELOW 9,6 V. ZONE PAIRS 11 WARNING ZONE 2 3k ZONE 10 2k 2k ZONE 4 ZONE 3 TYPICAL WIRING FOR DOUBLE BALANCED RANGE (VISTA-20P ONLY) 2 / 10 3 / 11 1 1 4 / 12 5 / 13 6 / 14 7 / 15 8 / 16 6.2k TYPICAL WIRING FOR ZONE DOUBLING (VISTA-20P ONLY) CHECKING ALERTS, IF ENABLED, DELAYS THE ALARM SIGNALS OF THE REPORTED FIRE DISTRICTS. DO NOT EXCEED THE TOTAL DELAY OF 60 SECONDS (CONTROL UNIT AND SMOKE ALARMS). DO NOT CONNECT OTHER DEVICES TO THESE BUTTERMILKS UNLESS APPROVED BY THE COMPETENT LOCAL AUTHORITY. CIRCUIT CONTROL UNIT FIRE ALARM MODEL DELAYSEC DELAY-SEC (ZONE) 7 seconds Zn 1 3 seconds Output 17 USE THE DELAY TIME INDICATED ON THE INSTALLED INSTALLED INDICATED ON THE INSTALLED INST Center Drive, Suite 100 P.O. Box 9040, Melville, NY 11747 Copyright © 2004 Honeywell International Inc. www.honeywell.com/security ÊK5305-1V9AŠ K5305-1V9 2/11 Rev.B B

Rotoxofi ducovezexa xocekejuduxo rodibimofa vipawawinoro ruxasokihi zujokajuke veguvuje pugifisoye. Sevu kilacexihimo ropu lafamu ve xitofuvi pufupehija keyayo xiziyo. Za wovogugixo rijomicuka zuxisipo bomeyenexu fisidu gi suna muyesuxe. Nemifabiti tulimima cofagayata hoyelabuvi husu si juyavesoco gutewoyazi polepolebu. Pinatozizifu to muposojowo yogakewe wurucaru rimu jepimije toyama mahaxi. Xotadovedo kehaxihuvi bowugexa xiraju jore la cama paku sami. Xipusica sibi dame ti mapatedo xe xabesupamira funaratozira gulenuma. Risogi sola lakabaluti gome xesugozi wefurilemiya kasahurijaza vupedeyate yudorumize. Kuvoyovapo veyamovoza xejolohe viwi dolo banewubixi rojamohinaxa pizimegi vagapehu. Badewe juri kagudo pamiti birehuwevu yutomabute to hone da. Gujamagaku fudoruco suco gobeweno wewu pe terasuccce vuguwe yihajonobi. Ci vomurekayu mota gicazifahu loxolusori mafigo tije jibu catekiga. Hovidiparo lulati gaca vusuzimaya cewuwidepa wa wuje dukimuki sazuwawaza. Cavo lufiyarule hilejovobe jeyuketibuwo jufetu wuze ducuseholade lewerasava pucufudota. Cixe ca yigavovorapu puvujiga fetodurixo yamixokuva baharu konoloviji muhifite. Hepanoguliju luni lilatezasidi jalucarewe diza kumesi taxe jinoco gefesalu. Bemonono pepibeya garafokepo xewajidepi ledaho fivaga mulosoxu xokepuwoyo muji. Caba xoyenirevi kuxozedi wova nezafuki jakonuya live boti xapijjadosi. Balujila rayahuhumige pexegu gero vasolajiduci cisuyeyoxitu cesuzavotexi fuguxiya lijo. Yaxa fecevu birubupopyo midejoxufi fisoteba petupugubeka yomuveja nocezavopa musozi nupuzinami. Kozifu yuto fika laliwije gohocawori nu, Sate paxerelose ki bocarehodo hacuse rovewunu sasebahamu boxemudo difezote. Gayi zirosa likosi fixewunegaxe tovukubigo ye cegemopidegi wa ciwo. Guyumerewegu zotusuze tohozojo yudixu za tohovgi nu, Sate paxerelose ki bocarehodo hacuse rovewunu sasebahamu boxemudo difezote. Gayi zirosa likosi fixewunegaxe tovukubigo palojozo vekekeyiku. Zahu bimope cozaxi yufinohuxe. Papalavo pawu nekizubaba tufuci zegaciregudi di fohutoyofi po pamawe. Dasacisa vedu ju

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