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Specifications

Size: 3-7/8” W x 7” H x 1-3/8” D
       (98mm x 178mm x 35mm)
Voltage: 10.5VDC-14.5VDC
Current: Standby: 84mA (not including connected keypads)
           “Speaking” at keypad: 116mA (vol lo); 124mA (vol med); 133mA (vol hi)
           “Speaking” at speaker: 165mA (vol lo); 229mA (vol med); 267mA (vol hi)
           “Speaking” at keypad & speaker: 346mA max. (volume hi)
Operating Temp.: 32° to 122° F (0° to 50° C)
Storage Temp.: – 40° to 158° F (– 40° to 70° C)
Maximum Recording Time: 20 minutes, including messages, memos, and all voice tags
Maximum: 2 minute maximum per message
Caller ID Log: Stores up to 50 call entries, 51st entry overwrites oldest call, etc.
Max. Messages: Stores approximately 63 messages (saved and new)
Keypads: 6162, 6139T
FCC ID: AC3USA-34957-TX-T
REN: 0.6B
Introduction

This guide provides information for installing and programming the TeleSMART system.

TeleSMART works in conjunction with the following control panels and keypads:

Controls: VISTA-10SE, VISTA-20SE*, VISTA-50P*
  *when used in single-partition installations only

Keypads: 6162, 6139T (controls TeleSMART† and security system functions)

† To access TeleSMART features, these keypads must be connected to the TeleSMART module. Keypads used only for security system functions should be connected to the security system’s keypad terminals.

Features

The TeleSMART system provides a voice interface for an ADEMCO security system and the TeleSMART phone system. It has the following features:

• 4 unique mailboxes for storing messages
• 6 user access codes
• Security system interface
• Memo feature for leaving messages for other users
• Caller ID capabilities for up to 25 phone numbers
• Memory (speed) dialing for up to 15 phone numbers
• Repeat dialing (automatically redial busy numbers)
• Last number redial
• Call screening (with and without Caller ID)
• Privacy (turn off the ringer)
• Remote access of TeleSMART and security system

Mounting the Module

The TeleSMART Module should be mounted in the security system’s control cabinet if space is available, or within a grounded metal enclosure to provide proper ESD protection.

Mounting Inside the Control’s Cabinet: Use double-sided tape to attach the module to the interior surface of the cabinet, or hang it on two screws. Do not mount it on the cabinet door or attach it to the control’s PC board.

Mounting Outside the Cabinet: Use the screw holes at the rear of the module. Wires can be brought out from the side or back (use the round breakout on the back).

Affix the supplied Summary of Connections label to the module’s inside cover or to the inside of the cabinet door.
Wiring Connections

Before making connections, power down the control panel.

Phone Line
Use a standard RJ31X phone jack (CA38A in Canada) and direct-connect cord as described in the control’s instructions.
1. Connect the direct-connect cord’s red and green wires to the control’s incoming phone line terminals as described in the control’s instructions.
2. Connect the direct-connect cord’s brown and gray wires to TeleSMART’s “Home Phones” terminals, disconnecting them from the control’s premises phone terminals, if previously connected.
3. Connect the control’s local phone TIP and RING terminals to TeleSMART’s “From Control” terminals, using jumper wires (not supplied).

Speaker: Connect an 8 Ohm speaker to TeleSMART’s speaker terminals as shown.

Keypad and Setting the Keypad Address
Connect keypads intended to be used with TeleSMART to the TeleSMART module. Use addressable, TeleSMART compatible keypads (6162, 6139T). Keypads used only for security system functions should be connected to the security system’s keypad terminals.
1. Disconnect those keypads intended to be used with TeleSMART from the control’s terminals, if previously connected, then connect these keypads to TeleSmart terminals as shown.
   NOTE: Run audio cable in separate 2-conductor twisted-pair cable (22AWG recommended). This cable should be kept at least 6 inches from other types of cables carrying potentially interfering signals, such as AC power, telephone, and polling loop cables.
2. Set the keypad address, tamper option, and playback volume setting by pressing and holding the [1] and [3] keys at the same time for 3 seconds, then follow the prompts. You must press these keys within 60 seconds of power-up to set the address and/or tamper option; you can set the volume at any time after power-up. Refer to the instructions included with the keypad.
   You can set TeleSMART keypads to addresses 2-22, 25-30 (addresses 0, 1, 23, 24 are reserved).
   IMPORTANT: If using VISTA-50P or higher, you must program the following two device addresses when programming the control: address 23 = set as alpha keypad; address 24 = set as TeleSmart Module.

Control Panel Connections
TeleSMART is powered from the control’s +12VDC keypad terminal. Connect the control’s keypad connection terminals to the TeleSMART Control terminals as shown.

Real-Time Clock (RTC) Connection (optional)
This connection is used to drive the TeleSMART internal clock. Connect either terminal of the control’s AC input terminals to the TeleSMART RTC terminal.

Ground Connections: Connect the TeleSMART ground terminal to a good earth ground.
**Wiring Connections**

**WIRE RUN LENGTHS**

<table>
<thead>
<tr>
<th>Wire Gauge</th>
<th>150mA</th>
<th>300mA</th>
<th>500mA</th>
<th>600mA</th>
<th>750mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 AWG</td>
<td>160 ft</td>
<td>100 ft</td>
<td>50 ft</td>
<td>40 ft</td>
<td>20 ft</td>
</tr>
<tr>
<td>20 AWG</td>
<td>260 ft</td>
<td>130 ft</td>
<td>50 ft</td>
<td>40 ft</td>
<td>20 ft</td>
</tr>
<tr>
<td>18 AWG</td>
<td>410 ft</td>
<td>220 ft</td>
<td>130 ft</td>
<td>115 ft</td>
<td>15 ft</td>
</tr>
<tr>
<td>16 AWG</td>
<td>650 ft</td>
<td>330 ft</td>
<td>200 ft</td>
<td>170 ft</td>
<td>130 ft</td>
</tr>
</tbody>
</table>

**TYPICAL CONTROL'S PHONE TERMINALS**

- **LOCAL INCOMING RING**
- **TIP**
- **RING**
- **TIP**
- **RED**
- **GREEN**
- **BROWN**
- **GREY**
- **DIRECT CONNECT CORD**

**Phone Connections**

**Speaker Connection**

**Keypad Connections**

**IMPORTANT:** If using VISTA-50P or higher, you must program the following two device addresses when programming the control:

- addr 23 = alpha keypad
- addr 24 = TeleSmart

**Control Connections**

**RTC and Ground Connections**

**TROUBLESHOOTING NOTE:**
If the system hangs up the phone line when calling in from a remote location, check the phone connection terminals:
- Term. 17/18 = from control
- Term. 15/16 = to house phones
Programming the System

Programming Overview
The User Guide provides detailed information on the system’s options. See the next page for entering program mode and programming steps. The following is a summary of the menu options.

Summary of Menu Options

<table>
<thead>
<tr>
<th>No.</th>
<th>Menu Option</th>
<th>Used To…</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Options available to all users</strong></td>
<td></td>
</tr>
<tr>
<td>01</td>
<td>Hear Messages</td>
<td>listen to messages and memos</td>
</tr>
<tr>
<td>02</td>
<td>Record Memo</td>
<td>record memos for other users of the system</td>
</tr>
<tr>
<td>03</td>
<td>Caller ID log</td>
<td>view the log of callers</td>
</tr>
<tr>
<td>04</td>
<td>Privacy On/Off</td>
<td>turn privacy mode on or off</td>
</tr>
<tr>
<td>05</td>
<td>Record OGM</td>
<td>record greeting for each mailbox</td>
</tr>
<tr>
<td>06</td>
<td>System On/Off</td>
<td>turn answer mode on or off</td>
</tr>
<tr>
<td>07</td>
<td>System Time</td>
<td>set the system’s time</td>
</tr>
<tr>
<td></td>
<td><strong>Options available to Master/Installer only</strong></td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>CID Display On/Off</td>
<td>turn the CID display on at keypads/ff.</td>
</tr>
<tr>
<td>09</td>
<td>Keypad CID On/Off</td>
<td>turn on CID announcement at keypads</td>
</tr>
<tr>
<td>10</td>
<td>Aux CID On/Off</td>
<td>turn on CID announcement at speakers</td>
</tr>
<tr>
<td>11</td>
<td>Aux Volume</td>
<td>set the auxiliary speaker volume</td>
</tr>
<tr>
<td>12</td>
<td>Toll Saver On/Off</td>
<td>turn the toll saver feature on or off</td>
</tr>
<tr>
<td>13</td>
<td>Message Beeps On/Off</td>
<td>turn on dial tone message beeps feature</td>
</tr>
<tr>
<td>14</td>
<td>HF Keypad On/Off</td>
<td>turn keypad call screening (hands-free) on/off</td>
</tr>
<tr>
<td>15</td>
<td>HF Aux On/Off</td>
<td>turn auxiliary speaker hands-free on/off</td>
</tr>
<tr>
<td>16</td>
<td>Handset On/Off</td>
<td>turn handset hands-free on/off</td>
</tr>
<tr>
<td>17</td>
<td>Ring Answer</td>
<td>set the ring answer count (2-8)</td>
</tr>
<tr>
<td>18</td>
<td>Access Key</td>
<td>assign the Quick Access key (1-4)</td>
</tr>
<tr>
<td>19</td>
<td>Caller ID Settings</td>
<td>program distinctive ring, mailbox, voice tag</td>
</tr>
<tr>
<td>20</td>
<td>Memory Dial Settings</td>
<td>program memory dial phone numbers</td>
</tr>
<tr>
<td>21</td>
<td>User Code Settings</td>
<td>program user codes, mailboxes, keypad message</td>
</tr>
<tr>
<td>22</td>
<td>Zone Voice Tags</td>
<td>record zone voice tags</td>
</tr>
<tr>
<td>23</td>
<td>PBAX Line</td>
<td>set system for use with PBAX network (not available for downloading)</td>
</tr>
</tbody>
</table>
Programming Steps

To begin programming: installer (default = 4321) or master code (default = 2468) + [*] key.
The keypad displays the Hear Messages prompt. Navigate the menus as follows:

<table>
<thead>
<tr>
<th>To…</th>
<th>Press…</th>
</tr>
</thead>
<tbody>
<tr>
<td>select displayed option</td>
<td>[0]</td>
</tr>
<tr>
<td>display next option</td>
<td>[*]</td>
</tr>
<tr>
<td>display previous option</td>
<td>[#]</td>
</tr>
<tr>
<td>GOTO a specific option</td>
<td>[7] + option no.</td>
</tr>
<tr>
<td>exit the system</td>
<td>[9]</td>
</tr>
</tbody>
</table>

Refer to the User Guide for detailed explanations on using the systems features.

NOTE: Installer code has same access rights as master code.

To reset the system back to the original factory defaults settings, power down the system,
short the two defaulting pins on the PC board, then power up the system with the pins shorted. The system will announce “system ready” after about 20 seconds, indicating the defaults have taken effect. Remove the short across the pins.

To program the TeleSmart system, you need to do the following:

<table>
<thead>
<tr>
<th>System Options:</th>
<th>Default</th>
<th>Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Set the system’s time</td>
<td></td>
<td>07</td>
</tr>
<tr>
<td>• Set the ring answer count</td>
<td>4</td>
<td>17</td>
</tr>
<tr>
<td>• Record zone voice tags for up to 22 zones</td>
<td>---</td>
<td>22</td>
</tr>
<tr>
<td>• Store up to 15 memory dial numbers</td>
<td>---</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>User Options:</th>
<th>Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Assign user codes and mailboxes</td>
<td></td>
</tr>
<tr>
<td>Default Codes: installer (user 7) = 4321; master (user 6) = 2468</td>
<td>21</td>
</tr>
<tr>
<td>• Record outgoing messages</td>
<td>05</td>
</tr>
<tr>
<td>• Turn telephone message beeps on/off per user’s preference</td>
<td>13</td>
</tr>
<tr>
<td>• Assign a Quick Access Key</td>
<td>18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Caller ID Options:</th>
<th>Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Set Caller ID displays and announcement on/off per user’s preferences</td>
<td>08-11</td>
</tr>
<tr>
<td>• Program Caller ID settings for up to 25 phone numbers</td>
<td>19</td>
</tr>
</tbody>
</table>

After the system is programmed, show the user how to do the following:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Turn System on and off</td>
<td>06</td>
</tr>
<tr>
<td>• Record memos</td>
<td>02</td>
</tr>
<tr>
<td>• Listen to messages</td>
<td>01</td>
</tr>
<tr>
<td>• View the Caller ID Log</td>
<td>03</td>
</tr>
<tr>
<td>• Turn the privacy feature on and off</td>
<td>04</td>
</tr>
<tr>
<td>• Set call screening options (keypad, aux speaker, handset)</td>
<td>14-16</td>
</tr>
<tr>
<td>• Set the toll saver on or off</td>
<td>12</td>
</tr>
</tbody>
</table>
Downloading

Central Station Initiated Download
TeleSmart cannot be in program mode or playback mode when downloading.
1. Central Station dials the TeleSmart phone number
2. TeleSmart answers on the programmed ring count, or, if Answer mode is off, answers on 10th ring. If modem carrier is detected, the downloading session begins. If modem carrier is not detected, TeleSMART hangs up.

NOTE: PBAX Line option (option 23) is not available for downloading. This feature must be set at a TeleSmart keypad.
RADIO FREQUENCY EMISSIONS

Federal Communications Commission (FCC) Part 15
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

TELEPHONE/MODEM INTERFACE

FCC Part 68
This equipment complies with Part 68 of the FCC rules. On the front cover of this equipment is a label that contains the FCC registration number and Ringer Equivalence Number (REN). You must provide this information to the telephone company when requested.

This equipment uses the following USOC jack: RJ31X

This equipment may not be used on telephone-company-provided coin service. Connection to party lines is subject to state tariffs. This equipment is hearing-aid compatible.

Industry Canada
NOTICE: The Industry Canada Label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user’s satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company the right to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves but should contact appropriate electric inspection authority, or electrician, as appropriate.

Ringer Equivalence Number Notice:
The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.
**Industrie Canada**

AVIS : l'étiquette d'Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme aux normes de protection, d'exploitation et de sécurité des réseaux de télécommunications, comme le prescrivent les documents concernant les exigences techniques relatives au matériel terminal. Le Ministère n'assure toutefois pas que le matériel fonctionnera à la satisfaction de l'utilisateur.

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée du raccordement. L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêche pas la dégradation du service dans certaines situations.

Les réparations de matériel homologué doivent être coordonnées par un représentant désigné par le fournisseur. L'entreprise de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, de lignes téléphoniques et des canalisations d'eau métalliques, s'il y en a, sont raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales.

Avertissement : L'utilisateur ne doit pas tenter de faire ces raccordements lui-même ; il doit avoir recours 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 raccordés à une interface. La terminaison d'une interface téléphonique peut consister en une combinaison de quelques dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.
TeleSMART
Summary of Connections

- CONNECT EITHER AC TERMINAL TO RTC TERMINAL
- SHORT PINS TO RESTORE DEFAULT SETTINGS
- USE OUTER WIRES OF AUDIO CABLE
- Troubleshooting Note:
  - If the system hangs up the phone line when calling in from a remote location, check the phone connection terminals:
    - Term. 17/18 = from control
    - Term. 15/16 = to house phones

Diagram showing connections:
- AC TERMINALS
- TYPICAL CONTROL’S PHONE TERMINALS
- REAL-TIME CLOCK (RTC)
- EARTH GROUND
- KEYPAD
- AUX SPEAKER
- INCOMING PHONE LINE
- HOUSE PHONES
- LOCAL INCOMING
- DIRECT CONNECT CORD
- RJ31X (CA38A in Canada)
- TELEPHONE JACK
- SPEAKER (8 ohm)
- GREEN (DATA IN)
- RED (+12VDC)
- BLACK (-) GND
- YEL (DATA OUT)
- Speaker (Eight ohm)
ADEMCO LIMITED WARRANTY

Alarm Device Manufacturing Company, a Division of Pittway Corporation, and its divisions, subsidiaries, and affiliates ("Seller"), 165 Eileen Way, Syosset, New York 11791, warrants its products to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for 24 months from the date stamp control on the product or, for products not having an ADEMCO date stamp, for 12 months from date of original purchase unless the installation instructions or catalog sets forth a shorter period, in which case the shorter period shall apply. Seller's obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor, any product which is proved not in compliance with Seller's specifications or proves defective in materials or workmanship under normal use and service. Seller shall have no obligation under this Limited Warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than ADEMCO factory service. For warranty service, return product, transportation prepaid, to your nearest ADEMCO distributor.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

Seller does not represent that the products it sells may not be compromised or circumvented; that the products will prevent any personal injury or property loss by burglary, robbery, fire, or otherwise; or that the products will in all cases provide adequate warning or protection. Customer understands that a properly installed and maintained alarm may only reduce the risk of a burglary, robbery, fire, or other events occurring without providing an alarm, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. HOWEVER, IF SELLER IS HELD LIABLE, WHETHER DIRECTLY OR INDIRECTLY, FOR ANY LOSS OR DAMAGE ARISING UNDER THIS LIMITED WARRANTY OR OTHERWISE, REGARDLESS OF CAUSE OR ORIGIN, SELLER'S MAXIMUM LIABILITY SHALL NOT IN ANY CASE EXCEED THE PURCHASE PRICE OF THE PRODUCT, WHICH SHALL BE THE COMPLETE AND EXCLUSIVE REMEDY AGAINST SELLER. This warranty replaces any previous warranties and is the only warranty made by Seller on this product. No increase or alteration, written or verbal, of the obligations of this Limited Warranty is authorised.