
EAGLE SECURITY PRODUCTS, INC.



False Alarm Terminator™ Advantage
(Model 1260)

48 ZONE TWO WAY AUDIO SYSTEM
New feature: Zone banking!

INSTALLATION INSTRUCTIONS
(Rev. 5.16 and subsequent only!)



“LEADERS IN TWO WAY AUDIO TECHNOLOGY”

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1.0 GENERAL.

1.1 FEATURES.

The False Alarm Terminator™ Advantage features include:

- ◆ Eight Microphone, Speaker and Relay zones expandable to 48 zones with optional Model 1261 Eight Zone Expansion Module.
- ◆ Self contained speaker/microphones with quick, convenient terminal connectors.
- ◆ Individually controlled zones. Microphone piezo filter. Integrated siren driver.
- ◆ Up to 4, Two wire, non-shielded, microphones per zone.
- ◆ Eagle's Enhanced Voice for extraordinary clarity in talk back mode.
- ◆ Central station detection with automatic disconnect upon central station receiver hang-up.
- ◆ Compatibility with all digital communicators and control panels.
- ◆ Activation by auto-trip with or without enables (2) which requires no hard trigger from the control panel. Direct activation (hard trip) with or without enable (1).
- ◆ Answering machine, Voice Messaging and/or downloadable communicator bypass.
- ◆ Remote volume control of the microphone from the central station.
- ◆ Optional Digital Stored Audio and Remote Arm Disarm Module for system enhancement.

2.0 REQUIREMENTS.

2.1 POWER.

Operating voltage: 9 to 14 VDC

Current draw (standby): 51 mA

Current draw (active): 133 mA, plus 30 mA for each active zone plus 2 mA for each 2172.

Max. current (active, no siren, no Model 1261's): 390 mA

Current draw (siren): t.b.d. mA

2.2 SYSTEM.

The Eagle Terminator™ Advantage requires the following hardware:

1. A communicator/control panel to provide initial communication with the central station.
2. Connections to 12 VDC, Ground (**An Eagle 1262 Power Supply is recommended**) and Telco (Tip & Ring).
3. A minimum of one speaker/microphone (Eagle Model 2172F or 2172S).

The Central Station requires the following:

1. Touch-Tone® phone in parallel with the receiver line if used in the line hold mode.
2. A receiver with two way capability (stays on line after kiss off).
3. An Eagle Model UTA™ (Universal Two Way Automation Interface) is recommended.

3.0 INSTALLATION.

3.1 INSTALLATION SUMMARY.

1. Mount the Terminator™ Advantage.
2. Connect street telco connections to "TELCO" Connect telephone connections from control panel or dialer to "DIALER".
3. Mount all Eagle Model 2172 speaker/microphones.
4. Run cable (standard 4 conductor for runs less than 100 feet only!) from the Terminator™ Advantage to each 2172 speaker/mic location.
5. Connect cable from each speaker/mic to the Terminator™ Advantage (first speaker to **SPK 1 & COM**, second to **SPK 2 & COM**, etc. First mic to **MIC 1 & COM**, second mic to **MIC 2 & COM**, etc.).
6. Connect Earth Ground to terminal strip. Connect power & system ground to terminal strip.
7. Program options.

3.2 PROGRAMMING OPTION DESCRIPTION.

The Eagle Terminator™ Advantage has many modes of operation. It can be custom configured for each installation. The following is a description of each of the options.

Option 1: Hard wire or Auto Trip

- 1 = "Hard Trip" - Use this setting when the control panel provides a two way activation output.
 - 2 = "Auto-Trip" - Use this setting when there is no two way activation output on the control panel.
- DEFAULT = (AUTO-TRIP)

Option 2: Trigger enables required

- 1 = ENABLES are required. Reference paragraph 3.5.8 for explanation of enablers.
 - 2 = ENABLES are NOT required. Reference paragraph 3.5.8 for explanation.
- DEFAULT = (NO)

Option 3: Activate immediately or one ring call back mode for 5 minutes

- 1 = A trigger input (either hard wired or auto-trip) causes the module to activate immediately in the line hold (link) mode. This is the most widely used mode.
 - 2 = A trigger input (either hard wired or auto-trip) causes the module to activate its five minute one ring call back mode.
- DEFAULT = (LINK)

Option 4: Central Station Detection

- 1 = The auto disconnect feature is enabled. The module will automatically disconnect if the receiver disconnects before the central operator picks up the line. This feature requires a called party disconnect signal from the local central office.
 - 2 = The auto disconnect feature is disabled.
- DEFAULT = (ENABLED)

Option 5: Internal Siren Driver

- 1 = Use the built-in Internal Siren Driver.
 - 2 = An External Siren Driver will be used.
- DEFAULT = (EXTERNAL)

The internal siren driver automatically switches the 1260's speakers from audio to siren driver and generates it's own alarm tones. An external siren drive cannot use the 1260's speakers. Separate speakers must be added just for an external siren driver.

Option 6: Subsequent Alarm Handling

- 1 = Subsequent Alarms will not shut down 1260. Two Way will remain active.
 - 2 = Subsequent Alarms will shut down 1260 & allow alarm to report.
- DEFAULT = (WILL NOT SHUT DOWN)

This option determines the way the 1260 processes a subsequent alarm BEFORE the central station operator picks up on the call. Once the CS operator picks up on the call the operator has control. A subsequent alarm message will be played upon its occurrence allowing the operator to determine whether or not to terminate the call or allow the two-way session to continue.

Option 7: This option is not presently available on the 1260

DEFAULT =

This option is not available on the 1260. When programming, a must be entered.

Option 8: Call Back acknowledge sequence

- 1 = Single will access
 - 2 = will access
 - 3 = Custom code will access (Options 12 and 13)
- DEFAULT = (WILL ACCESS)

This determines which sequence of Touch Tone® digits will acknowledge the 1260 in the one call back mode, after an alarm activation or in full time or call answer mode.

Option 9: Voice Message Bypass

1 - 9 = Selects the number of rings required to setup the 1260 for Voice Messaging Bypass.
0 = Option disabled.
DEFAULT = **0** (OPTION DISABLED)

Primarily used to bypass the Voice Messaging answering service provided by most telephone companies, this feature can also be used when another device such as the alarm control panel or an on premise answering machine is in parallel with the 1260 and also has an auto answer function. To use this feature, call the 1260 and allow the phone to ring for as many times as programmed in Option 9. Hang-up, wait 10 seconds, and then call back. The 1260 will answer on the first ring and wait 15 seconds for the acknowledge sequence (Option 8).

Option 10: Full Time Answer Mode

1 - 9 = Selects the number of rings before the 1260 will answer an incoming call.
0 = Option disabled.
DEFAULT = **1** (FULL TIME ANSWER MODE ON, 1 RING DETECT)

This Option determines the number of rings required before the 1260 will answer when in the full time answer mode. After the 1260 answers, it wait 15 seconds for the acknowledge sequence before hanging up.

Option 11: Three Digit Local Access Code (First digit is fixed as an *****.)

Any two digits, 0-9 (numbers only) may be programmed for the second two digits of the Local Access Code.
DEFAULT = **5 5** (This results in the actual Local Access Code of *** 5 5**.)

The local access code can be one or three digits long depending upon how Option 10 is programmed. If a **0** is programmed for the first digit then a single ***** will access the 1260. If the first digit is a number other than **0** then the second number must also be programmed and used in accessing the 1260.

Option 12: Stored Audio (Eagle Model 1450)

1 = The Model 1450 stored audio module **IS NOT** being used.
2 = The Model 1450 Stored Audio Module **IS** being used.
DEFAULT = **1**

Option 13: Stored Audio "Recording" Zone

01 - 48 Enter the zone number of the Zone which microphone will be used to record the stored audio.
DEFAULT = **0 1**

Important: Enter a leading **0** for all single digit zones. Example: To program zone 4 as the recording zone, enter **0 4** for Option 13.

Option 14: Active Zone Follower Mode

Selects if the previous zone stays active or is shut down with the selection of a new zone.
1 = Previous zone stays **ON**.
2 = Previous zone is **shut down**.
DEFAULT = **1** (Stays on.)

Option 15: Selects single or double shut down digit.

1 = Single digit (**8** or **9**) shut down.
2 = Double digit (**8 8** or **9 9**) shut down.
DEFAULT = **1** (Single digit)

Option 16: Operator Voice Prompts

You can limit the number of prompts played to the central station operator when the 1260 is active.
1 = The full set of prompts are played to the central station operator.
2 = A limited set of prompts are played.
DEFAULT = **1** (Full set)

Specifically, if a [2] is programmed for this options, the prompt “Model 1260 is active with listen mode selected” will be shortened to “Model 1260” and the prompts “Select audio” and “Select zone bank” are turned off. This will allow the central station operator faster access to commands and functions.

Option 17: Program Access Code

Any four digits, 0000 through 9999 (numbers ONLY) may be programmed.

DEFAULT = [1][2][3][4]

After the 1260 is on line, by any method, this code can be used to re-program the 1260's options or re-program itself. It cannot be used to access the two way audio functions.

Option 18: User Code

Any four digits, 0000 through 9999 (numbers ONLY) may be programmed.

DEFAULT = [5][6][7][8]

This option allows the User to call in at any time, provided the Full Time Answer Mode is programmed, and access the Model 1260. Once accessed by the User Code the two way audio controls are enabled and the User Code can be used to re-program itself. It cannot re-program the Program Access Code or any system options. The User Code cannot be accessed while in the Option Program Mode. It can only be programmed via the Access Code Change mode.

3.3 PROGRAMMING THE MODULE.

3.3.1 ACCESSING.

There are three methods available for accessing and programming the Model 1260. They are:

1. LOCAL PHONE ACCESS: The 1260 is defaulted with a [*][5][5] Local Access Code. To access the Model 1260, pick up a local extension phone and enter [*][5][5]. When the 1260 answers, the message “**Enter Access Code**” will be heard. If you enter the Program Access Code the message “**Access Code Accepted**” will be heard. If you enter the User Access Code the message “**Model 1260 is Active With Listen Mode Selected, There are No Zones Active**”.
2. REMOTE PHONE ACCESS: The 1260 is defaulted with the full time answer mode active and set for one ring detection. Call the Model 1260 from a remote Touch Tone telephone and it will answer on the first ring. Enter an Access Code. The corresponding message as described above for Local Access will be played.
3. ACTIVE TWO WAY ACCESS: In addition to the above, the program mode can be accessed any time the 1260 has been tripped and a two way session is in progress.

3.3.2 PROGRAMMING AFTER ACCESSING UNIT

3.3.2.1 PROGRAMMING OPTIONS 1 THROUGH 16.

Once the unit is on line you are ready to access programming mode. From this point forward the procedure is independent of how you accessed the module.

After gaining access to the module, enter the programming mode by entering [*][0]. The message “**Program Change Mode, Enter Program Access Code**” will play.

Now enter the Program Access Code. The default is [1][2][3][4]. The message “**Enter New Options**” will play. If you enter the User Access Code the message “**Try Again**” will play.

Enter the options starting with Option 1. All options must be entered in sequence independent of the number of actual changes. If you make a mistake, press [*] to start over.

To exit without saving changes press [*][*].

To exit and save changes press [*][#].

When the program mode is exited the message **“New Program Is”** will play followed by the actual options. Changes take effect upon exiting programming mode. You do not need to power down the unit. To re-play the options (with-in an 8 second window after leaving the program mode) enter ***#**.

3.3.2.2 PROGRAMMING CODES ONLY

You can directly access to the Program Access Code or the User Code by pressing ***9** after the unit is on-line. The message **“Code Change Mode, Enter Access Code”** will play.

Enter the code you wish to change. The message **“Enter New Access Code”** will play. Now enter the new code. The message **“New Access Code Is”** followed by the new code.

3.3.2.3 DEFAULTING THE UNIT

If you get lost in the programming and need to reset the unit to its default programming, momentarily short the two pins labeled DEFAULT.

TABLE 1: PROGRAMMING TOUCH-TONE® COMMAND SUMMARY.

COMMAND	FUNCTION
*0	TO ACCESS PROGRAMMING MODE
*9	TO CHANGE CODES ONLY
**	TO EXIT PROGRAMMING MODE WITHOUT SAVING CHANGES
*#	TO EXIT PROGRAMMING MODE AND SAVE CHANGES
*	TO RE-START PROGRAMMING FROM BEGINNING

3.4 PROGRAMMING VIA HAND HELD PROGRAMMER

This feature is not available at this time.

3.5 WIRING AND PLACEMENT.

3.5.1 “ALARM PANEL” TERMINAL STRIP

DESCRIPTIONS

DATA: NOT IMPLEMENTED AT THIS TIME. FOR FUTURE PANEL CONNECTIONS.

CLOCK: NOT IMPLEMENTED AT THIS TIME. FOR FUTURE PANEL CONNECTIONS.

3.5.2 “DATA” TERMINAL STRIP

The Terminator™ Advantage can connect to up to five Model 1261 Eight Zone Expansion Modules. The “DATA” terminal strip connects the data control signals from 1260 to the 1261’s. Description:

GND: If shielded cable is used, connect the shield here and to “GND” on the 1261’s “DATA” terminal strip.

DATA: Connect to “DATA IN” on the FIRST 1261’s “DATA” terminal strip.

CLOCK: Connect to “CLOCK” on the 1261’s “DATA” terminal strip.

LATCH: Connect to “LATCH” on the 1261’s “DATA” terminal strip.

NOTE: The DATA line is daisy chained. Connect DATA on 1260 to DATA IN on FIRST 1261. Connect DATA OUT on FIRST 1261 to DATA IN on SECOND 1261. Connect DATA OUT on SECOND 1261 to DATA IN on THIRD 1261, and so forth. Reference wiring diagram 2.

3.5.3 “AUDIO” TERMINAL STRIP

The Terminator™ Advantage can connect to up to five model 1261 Eight Zone Expansion Modules. The “AUDIO” terminal strip connects the audio signals and controls from 1260 to the 1261’s.

DESCRIPTION

GND: If a shielded cable is used, connect the shield here *and* to “GND” on the 1261’s “AUDIO” terminal strip.

SPK’S: Connect to “SPK’S” on all 1261’s “AUDIO” terminal strip. This terminal provides the audio to the speaker drivers on the 1261(s).

SIREN: Connect to “SIREN” on all 1261’s “AUDIO” terminal strip. This terminal provides the alarm tone to the speaker drivers on the 1261(s).

MIC’S: Connect to “MIC’S” on all 1261’s “AUDIO” terminal strip. This terminal feeds the microphone audio from the 1261(s) back to the 1260.

3.5.4 “DIALER” TERMINAL STRIP

The telephone lines must pass through the Model 1260 it then go to the communicator.

DESCRIPTION

T1: Connect T1 from the control panel / communicator; usually the BROWN wire.

T: Connect T from the control panel / communicator; usually the GREEN wire.

R1: Connect R1 from the control panel / communicator; usually the GRAY wire.

R: Connect R from the control panel / communicator; usually the RED wire.

3.5.5 “TELCO” TERMINAL STRIP

DESCRIPTION

T1: Connect T1 from the RJ-31X; usually the BROWN wire.

T: Connect T from the RJ-31X; usually the GREEN wire.

R1: Connect R1 from the RJ-31X; usually the GRAY wire.

R: Connect R from the RJ-31X; usually the RED wire.

CAUTION! PROPER POLARITY MUST BE OBSERVED FOR PROPER OPERATION. INCORRECT TELEPHONE CONNECTION WIRING MAY CAUSE ERRATIC OPERATION!

3.5.6 AUX. BOARD CONNECTOR - OPTIONS WIRING CONNECTIONS.

AUX. BOARD CONNECTOR - Options wiring connections is for use with proprietary Eagle enhancement modules. There are no user serviceable connections.

3.5.7 RELAY CONNECTOR - RELAY WIRING CONNECTIONS.

The RELAY provided on the Terminator™ Advantage provides switching for external devices automatically when the module activates & de-activates. The relay is energized (changes state) automatically when the module is activated. The relay returns to its de-energized state when the module is shut down.

TABLE 2 RELAY CONNECTOR - RELAY WIRING CONNECTIONS.

WIRE	CONNECTION
BROWN	Common 1; max. 5 amps
RED	Normally Closed 1; max. 5 amps
ORANGE	Normally Open 1; max. 5 amps
YELLOW	Common 2; max. 5 amps
GREEN	Normally Closed 2; max. 5 amps
BLUE	Normally Open 2; max. 5 amps

DESCRIPTION

BROWN: COMMON #1 connection. Maximum 5 amps.

RED: NORMALLY CLOSED #1 connection. Maximum 5 amps.

ORANGE: NORMALLY OPEN #1 connection. Maximum 5 amps.

YELLOW: COMMON #2 connection. Maximum 5 amps.

GREEN: NORMALLY CLOSED #2 connection. Maximum 5 amps.

BLUE: NORMALLY OPEN #2 connection. Maximum 5 amps.

3.5.8 MAIN TERMINAL BLOCK CONNECTIONS AND PC BOARD DESCRIPTION.

DESCRIPTION

DC POS & DC NEG: DC power input. +12 VDC and System Ground.

EARTH: Earth ground connection. MUST BE CONNECTED TO ENSURE PROPER LIGHTENING PROTECTION. WARRANTY VOID IF NOT CONNECTED! Examples of good EARTH GROUND sources are a cold water pipe or the ground on an electrical outlet.

TRIG: (Can also be used as an enable for the Auto Trip function).

- **External Trigger Input.** (Option 1 programmed with a 1):
This input allows an external source to activate the Model 1260 from a control/communicator which has a trip for two way voice. The proper trigger input is selected with “**TRIG**” jumper. If the control /communicator switches to a voltage less than 2 VDC when reporting an alarm and back to a voltage greater than 6 VDC when finished, place the shunt block across Pins 1 & 2 of the “**TRIG**” connector. If the control panel / communicator switches to a voltage greater than 6 VDC when reporting an alarm and back to a voltage less than 2 VDC when finished, place the shunt block across Pins 2 & 3 of the “**TRIG**” connector.
- **Auto Trip Enable Input.** (Option 1 programmed with a 2, Option 2 programmed with a 1)
If the TRIG input is not being used as a trigger it can be used as an enable for the Auto Trip function. This input is used to enable the 1260 from a control panel / communicator which has an output that becomes active only when it is desirable to activate two way, such as an audible alarm output. The proper Enable input is selected with the “**TRIG**” jumper. If the control panel / communicator enable output switches to a voltage less than 2 VDC when active, place the shunt block across Pins 1 & 2 of the “**TRIG**” connector. If the control panel / communicator switches to a voltage greater than 6 VDC when active, place the shunt block across Pins 2 & 3 of the “**TRIG**” connector.

(PARAGRAPH 3.5.8 CONTINUED ON PAGE 12)

ENAB: (Internal or External Siren Driver).

When Option 5 is programmed with a 1, the internal siren driver is selected. This input turns the siren driver on and off.

If the control panel / communicator output used to enable the internal siren driver switches to a voltage less than 2 VDC when active, place the shunt block across Pins 1 & 2 of the "ENAB" connector. If the control panel / communicator output used to enable the internal siren driver switches to a voltage greater than 6 VDC when active, place the shunt block across Pins 2 & 3 of the "ENAB" connector.

RELAY 1, RELAY 2, ETC.: Relay zones 1, 2, 3, etc., respectively. Each relay zone can be configured for normally open or normally closed operation.

MIC X, COMM, SPK X: Microphone and speaker zone 1, 2, 3, etc. Each microphone zone, which requires two wires, polarity independent, connects to **MIC X** terminal and the **COMM** terminal. Each speaker zone which requires two wires, polarity independent, connects to **SPK X** terminal and the **COMM** terminal. "X" is a zone number, for example, **MIC 1** or **SPK 6**.

3.5.9 DEFAULT TERMINALS

The DEFAULT terminals restore the EEPROM back to the factory settings when the pins are shorted together.

3.6 ADJUSTMENTS / INSTALLATION.

MIC X - Used to adjust the gain of the each microphone zone (where "X" is the zone number); Turning the potentiometer clockwise increases gain; counter clockwise decreases gain.

3.7 SPEAKER/MIC INSTALLATION.

3.7.1 LOCATION.

A speaker/mic can cover a range of up to 2500 ft² dependent on the environment in which they are installed.

3.7.2 QUANTITY OF SPEAKER/MICS.

Up to four (4) Model 2172 microphones *per channel* may be used with the 1260. Up to four speakers *total* may be used when connected in a series-parallel combination so **as not to drop below eight (8) ohms of total impedance.**

3.7.2 WIRING REQUIREMENTS.

Runs of less than 100 feet may be made with standard 4 conductor wire. Shielded wire is recommended for microphone wires on runs in excess of 100 feet.

3.8 COMMUNICATOR PROGRAMMING.

When programming the control panel / digital communicator, it is advised to begin the "TELEPHONE NUMBER" with "*70" (tone dialing) or "1170" (pulse dialing). This will allow uninterrupted communication when the subscriber has call waiting.

4.0 ACTIVATION.

4.1 IMMEDIATE ACTIVATION.

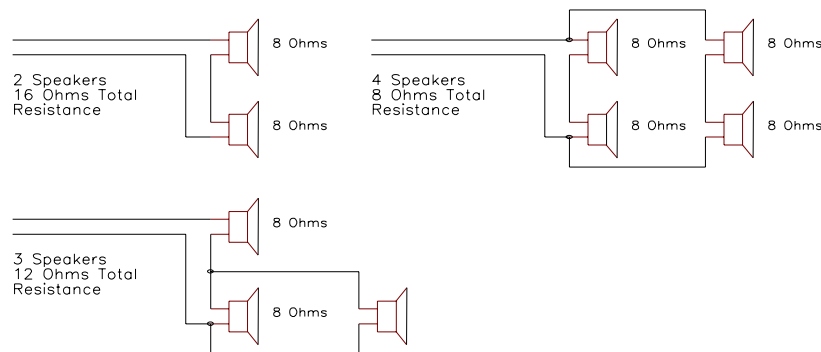
When Option 3 is programmed with a 1 (default setting), the module will activate immediately whenever a trigger is received on either the TRIG input or when the unit's AUTO-TRIP activates the module. The LED will flash four (4) times every six seconds to indicate that the unit has been activated in the line-hold

mode and is waiting for an operator to press any touch tone digit. Once the operator presses a touch tone digit, the LED will change to ON STEADY and will stay on until disconnect.

NOTE: THE CENTRAL STATION RECEIVER MUST BE CAPABLE OF A “LISTEN-IN” FUNCTION, I.E., THE RECEIVER MUST HOLD THE PHONE LINE OPEN UNTIL AN OPERATOR CAN PICK UP THE LINE. THE EAGLE UTA CAN PROVIDE THIS FUNCTION IF YOUR RECEIVER CANNOT. CONTACT EAGLE FOR INFORMATION.

The operator can control the operation of the module using a Touch-Tone® phone per Paragraph 5.0.

DIAGRAM 3 WIRING MULTIPLE SPEAKERS



4.2 ONE RING CALL BACK and ALWAYS ANSWER.

4.2.2 CALL ANSWERING.

When Option 3 is programmed with a 2, the 1260 will not activate immediately with a trip from either the TRIG input or from the Auto Trip, but will go into its One Ring Call Back Mode instead. In this mode the 1260 will wait for five minutes (after a trigger or auto-trip) for the phone to ring. If the phone rings within the five minutes, the 1260 will answer on the first ring. The LED will flash two flashes every six seconds to indicate it is in the call back mode and waiting for the phone to ring.

When the system detects an incoming call, it will pick up the phone line and the message **“Enter Access Code”** will play. The LED will flash three flashes every six seconds to indicate it is waiting for an Access code to be entered (from the central station operator).

The operator has 15 seconds to enter the acknowledgment sequence. (See Option 8 Acknowledge sequence). If the code is not sent in 15 seconds, the Terminator will hang-up and continue in the one ring call back mode for an additional five minutes.

When the correct code is received, the system will play the message **“Model 1260 is active...”**

The operator can now control the operation of the module using a Touch-Tone® phone per Paragraph 5.0.

4.3 LED STATUS INDICATOR.

The Terminator™ Advantage features an LED status indicator. From the LED status indicator, a technician can determine the current status of the module. The following chart summarizes the five different modes.

TABLE 3 LED STATUS INDICATOR.

# FLASHES EVERY SIX SECONDS	MODE
1 (ONE)	STANDBY OPERATION - ALL OK
2 (TWO)	ONE RING CALL BACK MODE, WAITING FOR RING
3 (THREE)	ONE RING CALL BACK MODE, WAITING FOR ACKNOWLEDGMENT CODE.
4 (FOUR)	TRIGGERED. WAITING FOR CS TO SEND COMMAND.
STEADY ILLUMINATION	TWO WAY ACTIVE.

4.4 CENTRAL STATION DETECTION.

The Terminator™ Advantage features central station detection with auto-disconnect. This feature allows the module to detect if the central station receiver has dropped off the line before the central station operator has picked up on the line. If the module detects a receiver line drop, it will shut down and enable the 5 minute call back window. Detection takes about 15 to 20 seconds. (This feature works in most area in the United States. Installations in some rural areas may not be able utilize this feature due to old central office equipment. If this feature is not available, the module will function properly, but without the central station detection feature.)

Additionally, if the central station operator fails to send a shut down command, the Terminator™ Advantage will automatically shut down (within 15 seconds) of the operator hanging up.

Call waiting may cause erratic operation with this feature. In areas where call waiting can not be disabled and the premises has call waiting, it is recommended to disable central station detection (OPTION 4 set to 2).

5.0 CONTROLLING THE MODULE.

5.1 SWITCHING BETWEEN TALK & LISTEN.

After the module has been successfully activated by one of the methods described above, the operator can control the operation of the system using a Touch-Tone® phone in the following manner:

NOTE: CONTROL TONES ARE NOT DECODED DURING VOICE MESSAGES.

To switch to "LISTEN ONLY, HIGH GAIN", press and release digit [3]. To switch to "LISTEN ONLY, NORMAL GAIN", press and release digit [2]. To switch to "TALK ONLY", press and release digit [1]. The operator can switch back and forth between these modes as often as one wishes independent of the mode in which the module was in when activated.

CAUTION: IF THERE IS A LOUD, CONTINUOUS BACKGROUND NOISE, SUCH AS A RADIO, THE CENTRAL STATION OPERATOR SHOULD NOT ATTEMPT TO INCREASE THE GAIN OF THE TERMINATOR™ ADVANTAGE. THIS MAY CAUSE THE SYSTEM TO LOOSE THE ABILITY TO RECOGNIZE THE TONES FROM THE CENTRAL STATION. IF THE MODULE "LOCKS-UP" INTO THE "LISTEN ONLY, HIGH GAIN" MODE, PRESS AND HOLD DIGIT [2] FOR A MINIMUM OF FIVE (5) SECONDS. THIS SHOULD UNLOCK THE MODULE. REPEAT IF NECESSARY.

5.2 EXTENDING & DISCONNECTING.

The Terminator™ Advantage provides five (5) minutes of two way communication. The 1260 provides two disconnect warnings. At four (4) minutes thirty (30) seconds, the 1260 will play the message **"Hang Up in 30 Seconds"**. At four (4) minutes forty five (45) seconds the message **"Hang Up in 15 Seconds"** will play. At five (5) minutes the message **"Good-bye"** will play and the 1260 will disconnect. To extend the listen in shut down time (reset to five (5) minutes), press and release digit [7] at any time during the two way (before the module disconnects). Additionally, anytime a command is sent to the Terminator™ Advantage (a [1], [2], [3]

or [7]) the module will automatically reset the five minute timer. The only time the [7] command need actually be sent is when the module is used in the "LISTEN ONLY" mode for the duration of the call. To shut down the module, press and release digit [9] at any time. Before the module shuts down it will play the "Good-bye" message indicating it is disconnecting. To shut down the module and initiate the five minute call back window, press and release digit [8] at any time. This will allow the central station or any other party to call back and have an active two way session. (This is beneficial when a home or business owner wishes to have an active two way session after the central station has finished, and the always answer option has not been selected).

Every time either shut-down command is sent (an [8] or a [9]) the 1260 will play the "Good-bye" message. This alerts the central that the command was received and will be exercised. Programming option 15 offers the option of utilizing a double digit shut down command ([8][8] or [9][9]) This is especially useful in preventing accidental shut downs. Default is the single digit shut down command.

5.3 SUBSEQUENT ALARM REPORTING.

The Terminator™ Advantage has provisions for subsequent alarm reporting. This provides the central station operator with the capability of selecting what will happen when a subsequent alarm occurs while two way is active. Subsequent alarm reporting has two options which are selected by OPTION 6.

If OPTION 6 has been programmed with a [2], the Terminator™ Advantage will hang up for a subsequent alarm prior to the c.s. operator picking up on the line.

If OPTION 6 has been programmed with a [1], the Terminator™ Advantage will NOT hang up for a subsequent alarm prior to the central station operator picking up on the line. The only exception to this is if two subsequent alarm reporting's occur before the operator picks up the line, then the Terminator™ Advantage will shut down and let the subsequent alarm report.

Once the operator picks up on the line, the Terminator™ Advantage operates independently of the selection above (independent of OPTION 6). The operator is notified that a subsequent alarm is pending by playing the message "Warning, there is a new alarm to report". If the operator does nothing and ignores the warning, the Terminator™ Advantage will disconnect in 30 seconds allowing the subsequent alarm to report. If the operator wishes to ignore the subsequent alarm, the operator sends the "EXTEND" command (a [7] on the touch tone phone). If the operator wishes to allow the subsequent alarm to report immediately, a [9] is sent by the operator which shuts down the module and allows the subsequent alarm to report.

WARNING: If your communicator/panel DOES NOT sense dial tone before dialing, a two second pause is required before dialing to provide adequate time for a fresh line to be restored.

TABLE 4 MODE & STATUS TOUCH-TONE® COMMAND SUMMARY.

COMMAND	FUNCTION
[1]	TALK ONLY
[2]	LISTEN ONLY
[3]	HIGH GAIN LISTEN ONLY
[7]	RESET SHUT DOWN TIMER or IGNORE SUBSEQUENT ALARM
[8]	SHUT DOWN MODULE & INITIATE 5 MINUTE CALLBACK WINDOW
[9]	SHUT DOWN MODULE or ALLOW SUBSEQUENT ALARM TO REPORT
*[4]	PLAY, TALK, LISTEN AND HIGH GAIN STATUS (i.e., "LISTEN MODE SELECTED")
*[5]	PLAY SPK/MIC ZONE STATUS (i.e., "SPEAKER/MIC ZONE 7 IS ACTIVE")
*[6]	PLAY RELAY ZONE STATUS (Currently not implemented)

5.4 SPEAKER & MICROPHONE ZONE CONTROL.

The Terminator™ Advantage has provisions for independently controlling each speaker-microphone zone independently. There are eight speaker-microphone zones on the 1260. Each Model 1261 Expansion Module contains an additional eight zones. Up to five (5) Model 1261's may be added for a system total of 48 zones.

When the module activates, it will be in a low gain listen mode but no speaker-microphone zones will be active. Touch tone command **[4]** activates the microphone command sequence. This is followed by a two digit zone number. After sending the **[4]** command, the c.s. operator will hear "**SELECT AUDIO ZONE**". After the two digit zone is sent, the c.s. operator will hear a complete status message. To toggle speaker-microphone zone one ON if it is OFF, or OFF if it is ON, the command **[4][0][1]** is sent. To activate microphone zone sixteen, the command **[4][1][6]** is sent. The procedure continues for the remaining zones in the system. To turn a specific zone off, send it's zone again. For example, if zone one is active, send command **[4][0][1]** to turn it off. Speakers are activated by sending command **[1]**. This will activate the speakers in **all active** zones. To turn ON ALL speakers, the command **[4][*]** is sent. When this command is sent, the message "**ALL SPEAKERS ON**" will be heard by the c.s. operator. To turn OFF ALL speaker-microphone zones, the command **[4][#]** is sent. The message "**ALL ZONES OFF**" will be heard by the c.s. operator.

A **NEW** programming option, option 14, selects active zone follow mode. The default, 1, maintains the active state of the previous zone when a new zone is selected. Optionally, data value 2, shuts down the previous zone when a new zone is selected.

TABLE 5 SPEAKER & MIC CONTROL TOUCH-TONE® COMMAND SUMMARY.

COMMAND	FUNCTION
[4]	ACTIVATES LISTEN MODE; AWAITING ZONE NUMBER (REQUIRED)
[4][0][1] - [4][4][8]	TOGGLERS MIC ZONES 01-48 ON/OFF
[4][#]	URNS OFF ALL MICROPHONES & SPEAKERS
[4][*]	URNS ON ALL SPEAKERS
[1]	ACTIVATES SPEAKERS FOR ALL ACTIVE MIC ZONES
[6][0][1] - [6][0][6]	NEW! ACTIVATES TWO DIGIT ZONE BANK (01 – 06)

5.5 ZONE BANKING – NEW!

A new feature added is Zone Banking. This allows fast interrogation of multiple zones at one time. Each bank is a group of eight zones. Each 1260 or 1261 acts as its own zone bank. The **[6]** command activates zone banking. The central station operator will hear "**SELECT ZONE BANK**" over the phone line after the **[6]** command is sent. At this time the operator must enter the two digit bank, described below. When a zone bank is selected, any previous zones or zone bank is automatically turned OFF. This prevents too many zones being active at once, a problem for listening-in when too many zones creates undistinguishable 'noise' on the line. There are six valid, two digit, zone banks as follows:

TABLE 6 ZONE BANK DESCRIPTION.

BANK	ZONES
[0][1]	1-8
[0][2]	9-16
[0][3]	17-24
[0][4]	25-32
[0][5]	33-40
[0][6]	41-48

5.6 RELAY ZONE CONTROL.

Relay zone control follows the microphone zone last selected. For example, if microphone zone 6 is selected, then relay zone 6 will activate.

5.7 STATUS INTERROGATION.

5.7.1 MODE, SPEAKER/MIC ZONE AND RELAY ZONE STATUS.

The Terminator™ Advantage features status interrogation. This feature allows the central station the ability to interrogate the status of the current mode, which speaker / microphone zones are active and which relay zones are active anytime the Terminator™ Advantage is on-line.

The command **[*] [4]** initiates a mode status (PLAY, TALK, LISTEN, HIGH GAIN) response from the 1260. For example, a typical response is "**LISTEN MODE SELECTED**". The command **[*] [5]** initiates a speaker / microphone zone status response from the 1260. For example, a typical response is "**SPEAKER / MIC ZONE 7 IS ACTIVE**". The command **[*] [6]** initiates a relay zone status response from the 1260. For example, a typical response is "**RELAY ZONE 5 ACTIVE**". This feature is currently not implemented. Reference Table 4 for summary of commands.

5.8 INTERNAL CONTROLS.

5.8.1 CENTRAL STATION DETECTION.

The Terminator™ Advantage features Eagle's exclusive central station detection. This feature allows the audio module to detect a central station receiver dropping off line before an operator picks up on the two way line. When detected (about 15 to 20 seconds post receiver hang up) the module will shut itself down and initiate the five minute call back window.

This feature also is useful if the central station operator does not send the shut-down command. In this case the module will shut down (after 15 to 20 seconds post operator hang up). It will not activate the call back mode.

6.0 OPTIONAL CONNECTIONS.

6.1 INTERNAL SIREN.

The internal siren driver requires an input from the alarm panel. These inputs activate the internal driver. The Model 1260 utilizes the ENABLE input to activate the internal siren.

6.2 EXTERNAL SIREN.

There is no external siren driver input for the Model 1260 or 1261. External sirens must be connected to separate speakers. If utilized, it is recommended to series the output to the driver (or power for a self-contained siren) through the Audio Active Relay Normally Closed connection.

6.3 MODEL 1403 REMOTE CONTROL RELAY MODULE.

An Eagle Model 1403 Remote Control Relay Module may be connected to the **1403** connector. The Model 1403 may be connected to provide additional central station control of the premises.

6.4 MODEL 1450 DIGITALLY STORED AUDIO MODULE.

An Eagle Model 1450 Digitally Stored Audio Module may be connected to the **AUX. CONN.** connector. The Model 1450 offers up to 2 minutes of audio storage before the alarm event. Contact your Eagle representative for further information.

OPTION DATA PROGRAM FORM

Option Number	Your Data	Default Data	Description (Default)
.....1.....	___	.....2.....	Hard wire or automatic trip. (Automatic)
.....2.....	___	.....2.....	Trip enable. (Not required)
.....3.....	___	.....1.....	Activate immediately in link mode or one ring call back. (Link)
.....4.....	___	.....1.....	Central Station hang-up detection. (Enabled)
.....5.....	___	.....2.....	Internal/External siren driver. (External)
.....6.....	___	.....1.....	Subsequent Alarm Handling. (Hang-up immediately)
.....7.....	___	.....1.....	----- Not Used ----- (1)
.....8.....	___	.....2.....	Acknowledgement code. (* 5 5 *) - Will access
.....9.....	___	.....0.....	Voice message bypass. (Disabled)
.....10.....	___	.....1.....	Number of rings in call back mode. (On, 1 ring detect)
.....11.....	Φ ___	.....Φ 5 5.....	Local phone access code. (* 5 5)
.....12.....	___	.....1.....	Stored audio option. (1450 not used)
.....13.....	___	.....0 1.....	Stored audio, record from, zone number. (Zone 01)
.....14.....	___	.....1.....	Active zone follower mode. (Previous zone stays on)
.....15.....	___	.....1.....	8 and 9 shut down command (Requires single shut down digit)
.....16.....	___	.....1.....	Operator voice prompts (Full)
.....17.....	___	.....1 2 3 4.....	Program Access code. (1 2 3 4)
.....18.....	___	.....5 6 7 8.....	User Access code. Not accessible in above. (5 6 7 8)

Note: Asterisk (*) is mandatory as first digit on Local Phone Access Code (Option 11)

Installation Notes

7.0 NOTES & RETURNS.

TECHNICAL SUPPORT HOTLINE: 800.447.E₃A₂G₄L₅E

When using multiple speaker/mics at the subscriber end, be aware that loud background noise picked up by one speaker/mic will "drown out" the other speaker/mic.

As with all electronic devices, electrostatic discharges can damage the components. Handle the circuit board with care!

Features and specifications subject to change without notification.

Use of this equipment may be in violation of local laws. Please verify and obey all local laws. Eagle Security Products, Inc. does not assume any liability for the illegal use of this equipment.

Trademarks and Registered Trademarks are the property of their respective owners.

RETURNS:

IMPORTANT: COPY, COMPLETE AND RETURN THIS FORM WITH YOUR RETURNS.

NOTE: YOU MUST OBTAIN A RMA NUMBER FROM TECH SUPPORT FROM THE FIELD BEFORE RETURNING PRODUCT.

SECTION 1 (TO BE COMPLETED BY DEALER)

DATE/...../.....

RMA NUMBER	PHONE NO. (.....)
DEALER NAME	FAX NO. (.....)
ADDRESS	CONTACT
CITY/STATE ZIP	
SHIP TO	SHIP REPAIRED PRODUCT VIA:
.....	UPS UPS BLUE UPS RED
	YOUR FED-EX #

SECTION 2 (TO BE COMPLETED BY DEALER)

LINE #	PART NUMBER	DESCRIBE PROBLEM	COSMETIC REPAIR (Y/N)
1			
2			
3			

8.0 FCC REQUIREMENTS

1. The Federal Communications Commission (FCC) has established Rules which permit this device to be directly connected to the telephone network. Standardized jacks are used for these connections. This equipment should not be used on party lines or coin lines.
2. If this device is malfunctioning, it may also be causing harm to the telephone network; this device should be disconnected until the source of the problem can be determined and until repair has been made. If this is not done, the telephone company may temporarily disconnect service.
3. The telephone company may make changes in its technical operations and procedures; if such changes affect the compatibility or use of this device, the telephone company is required to give adequate notice of the changes. You will be advised of your right to file a complaint with the FCC.
4. If the telephone company requests information on what equipment is connected to their lines, inform them of:
 - a. The telephone number this unit is connected to
 - b. The ringer equivalence number
 - c. The USOC jack required
 - d. The FCC Registration number

Items 'b' and 'd' are indicated on the label.

The ringer equivalence (REN) is used to determine how many devices can be connected to your telephone line. In most areas, the sum of the RENs of all devices on any one line should not exceed five (5.0). If too many devices are attached, they may not ring properly.

5. In the event of equipment malfunction, all repairs should be performed by our Company or an authorized agent. It is the responsibility of users requiring service to report the need for service to our Company or to one of our authorized agents. Service can be obtained at:

Eagle Security Products, Inc.
11650 Genesee Street Suite #2
Alden, NY 14004-9630
SALES: 800.334.7188 or 716.937.0095
FAX: 716.937.3127

www.eagle-security.com

Tech support email: tech@eagle-security.com

Sales email: sales@eagle-security.com

TECHNICAL SUPPORT HOTLINE: 800.447.E₃A₂G₄L₅E

or at your local installation company.

EAGLE SECURITY PRODUCTS False Alarm Terminator™ Advantage
Complies with Part 68, FCC Rules
FCC Registration #: 1SYUSA-18688-KX-N
Ringer Equivalence : 0.0B

LIMITED WARRANTY

Eagle Security Products, Inc. Warrants that the products of its manufacture shall be free from defects in materials or workmanship to one year from the date of invoice if such goods have been properly installed, are subject to normal proper use, and have not been modified in any manner whatsoever. Upon return of the defective product to the nearest Eagle Security Products dealer, Eagle Security Products will, at its sole discretion, either repair or replace, at no cost to the customer, such goods as may be of defective material or workmanship. Customers outside the United States are to return products to their distributor for repair.

In addition, any out of the box failure will be replaced at no charge providing the unit has not been altered physically. Alterations include, but not limited to, soldering, the addition of tape / foam tape or any form of physical damage.

EAGLE SECURITY PRODUCTS, INC. SHALL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM LOSS OF PROPERTY OR OTHER DAMAGE OR LOSSES OWING TO THE FAILURE OF EAGLE SECURITY PRODUCTS' PRODUCTS BEYOND THE COST OF REPAIR OR REPLACEMENT OF ANY DEFECTIVE PRODUCTS.

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