INSTALLATION AND SETUP GUIDE

FEATURES

- Listed for: UL 985 Household Fire, UL 1023 Household Burglary, UL 609 Commercial Burglary.
- Generates voice output in English, Spanish, and French.
- Separate messages for FIRE and BURGLARY conditions.
- Separate siren sounds for FIRE and BURGLARY conditions.
- Terminal strip for secure connection to control panel.
- Selectable input level (High/Low) for FIRE/BURGLARY inputs.
- Supervision feature for speaker and speaker wiring.
- Compatible with control panels within parameters stated.
- Sounder options for bell ringback/bell test.
- Operates on 12 - 16V DC.
- Small compact size for easy installation using double-sided tape provided – measures only 4” x 2-5/8” x 1-1/4”.

OUTPUT SELECTION

The voice driver can be programmed for the desired alarm output on burglary and fire by means of jumpers JP1 through JP4, as indicated in Table 1. See Figure 1 for location of jumpers.

Table 1. Output Selection

<table>
<thead>
<tr>
<th>JUMPERS</th>
<th>OUTPUT</th>
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<tbody>
<tr>
<td>JP1</td>
<td></td>
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<tr>
<td>JP2</td>
<td>FIRE</td>
</tr>
<tr>
<td>JP3</td>
<td></td>
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<tr>
<td>JP4</td>
<td>BURG</td>
</tr>
<tr>
<td>X</td>
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Bell Test/Ringback Options (JP5)

If jumper JP5 is kept intact, the siren driver will generate a steady sound for bell test and bell ringback conditions. If the jumper is cut, a warbled sound will be generated for bell test/ringback conditions.

NOTE: If this mode is selected, a fire signal will momentarily generate a warbled siren sound for the initial portion of the siren sound and then revert to the normal siren sound and voice message. Jumper JP5 shall be cut in UL Listed systems.

Burglary Signal Polarity (JP6)

Intact = High (12V+), cut = Low (0V)

The burglary message may be activated by either a steady logic high or steady logic low, as provided by the control panel (refer to the control panel’s instructions).

When jumper JP6 is intact, activation is by a logic high (12V+) at terminal 2. Cut jumper JP6 for activation by a logic low (0V).

Note that a pulsing high or low (pulse width 0.25 to 1.75 seconds, that is provided by some panels) connected to the Burglary/Fire input (terminal 2) will be interpreted as a Fire condition and will produce the fire message.

Fire Signal Polarity (JP7)

Intact = High (12V+), cut = Low (0V).

As in the case of Burglary signal polarity, the fire message may be activated by either a logic high or logic low, but at terminal 3. When jumper JP7 is intact, activation is by a logic high (12V+). Cut jumper JP7 for activation by a logic low (0V).

Burglary Messages:

**ENGLISH:**
YOU HAVE VIOLATED THE PROTECTED AREA...THE POLICE HAVE BEEN CALLED...LEAVE IMMEDIATELY!

**SPANISH:**
USTED HA VIOLADO UNA AREA PROTEGIDA...LA POLICIA HA SIDO LLAMADA   SALGA INMEDIATAMENTE!

**FRENCH:**
VOUS AVEZ PENETRE UN LIEU SURVEILLE...LA POLICE A ETE AVERTI...EVAQUEZ IMMEDIATEMENT!

Burglary Alarm Sequence:

Warble Siren sound, Burglary Voice Message (repeated 3 times), 15-second Warble Siren Sound. Sequence will repeat until the Burglary output condition is terminated.

Fire Messages:

**ENGLISH:**
FIRE...LEAVE IMMEDIATELY!

**SPANISH:**
FUEGO...SALGA INMEDIATAMENTE!

**FRENCH:**
AU FEU!...EVAQUEZ IMMEDIATEMENT!

Fire Alarm Sequence:

Steady Siren Sound, Fire Voice Message repeated 3 times on a single language output, followed by 15 seconds of Steady Siren Sound. Sequence will repeat until the Fire output condition is terminated.

WIRING CONNECTIONS

Wiring connections to the terminals are as follows: Refer to Figure 1 (and Table 2 for Honeywell products).

**1 SUPV: SPEAKER/WIRING SUPERVISION (OPTIONAL).**

For supervision of speaker and associated wiring, connect to the high (+) side of a 24-hour zone that is activated by a short. Removing the speaker or shorting either speaker terminal to ground where operation is affected will appear as a short on the zone. Note that in series-connected
multiple speaker systems, cutting any speaker will trip the control panel’s supervision zone. In parallel-connected speaker systems, each branch must be cut before the control panel’s supervision zone will trip. Note: The Supervision option has been determined to be compatible with the controls listed in Table 2.

2 B/F: BURGLARY/FIRE INPUT:
Connect the control panel’s Burglary (steady) Output to this terminal. This terminal may also be used to trip the FIRE message if the control provides a pulsing output for fire (re-programming may be required). In this case, no connection to terminal 3 is required.

3F: FIRE INPUT:
Connect the control panel’s output designation as the FIRE (steady) Output to this terminal (unless this output was connected to terminal 2).

4 SPKR & 5 SPKR: SPEAKER TERMINALS:
Connect an 8-ohm, 16-ohm, or 32-ohm 15-watt speaker to these terminals. See Figure 3 for multiple speaker configurations. For UL installations, the Listed Ademco 705-820, 713, or 746-32 speakers must be used.

6(+) 12VDC(+) POWER INPUT:
Connect to a 12VDC (+) source on the control.

7(-) GND(-) GROUND INPUT:
Connect to a ground point (-) on the control panel.

Speakers Specifications: Use compatible speakers above.

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**Important:** The 745x3 must be mounted in the control cabinet.

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<table>
<thead>
<tr>
<th>ADEMCO CONTROL PANEL</th>
<th>745x3 TERMINALS</th>
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<tbody>
<tr>
<td>1</td>
<td>2</td>
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<tr>
<td>4110</td>
<td>4110XM</td>
</tr>
<tr>
<td>4140XM</td>
<td>8</td>
</tr>
<tr>
<td>4140XMP</td>
<td>4140XMP</td>
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</tbody>
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For further information, consult the control panel’s instructions.

**Note:** If using the 745x3 with a control with a built-in siren driver, consult that control’s instructions to determine the method to disable the built-in siren driver and enable the bell output.

Refer to the installation instructions for the control panel that is used with this device for warranty information and limitations of the entire alarm system.