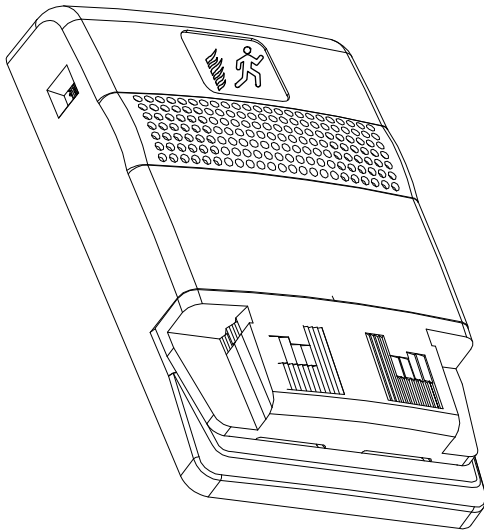


# Genesis Chime-Strobe Installation Sheet



## Description

The Genesis Chime-Strobe is a fire alarm notification appliance designed for indoor ceilings and walls. See Table 1 for a list of model numbers.

**Table 1: Models**

Description	Numbers	
Chime-strobe, 15 to 110 multi-cd, white	ADTG1-CVM EG1-CVM G1-CVM	MG1-CVM XLSG1-CVM ZG1-CVM
Chime-strobe, 15 to 110 multi-cd, white, with FIRE marking	ADTG1F-CVM EG1F-CVM G1F-CVM	MG1F-CVM XLSG1F-CVM ZG1F-CVM
Chime-strobe, 15 to 110 multi-cd, red	ADTG1R-CVM EG1R-CVM G1R-CVM	MG1R-CVM XLSG1R-CVM ZG1R-CVM
Chime-strobe, 15 to 110 multi-cd, red, with FIRE marking	ADTG1RF-CVM EG1RF-CVM G1RF-CVM	MG1RF-CVM XLSG1RF-CVM ZG1RF-CVM
Trim plate, white	ADTG1T EG1T G1T	MG1T XLSG1T ZG1T
Trim plate, red	ADTG1RT EG1RT G1RT	MG1RT XLSG1RT ZG1RT

There are field-configurable options for selecting dB output, chime signal, and constant noncoded voltage or single-stroke coded voltage operation. See Figure 1.

**Note:** A Genesis Signal Master is required when chimes are configured for coded operation.

The strobe includes a field-configurable switch for selecting the desired candela output. The candela output setting is locked in place and remains visible after final installation.

This strobe features an enhanced synchronization circuit to comply with the latest requirements of UL 1971 *Signaling Devices for the Hearing Impaired*. Synchronized operation requires a separately installed synchronization control module. See Table 2 for a list of compatible synchronization modules.

**Table 2: Compatible synchronization module models [1]**

Description	Number		
Genesis Signal Master Snap-on Mount	EG1M ADTG1M	MG1M XLSG1M	G1M ZG1M
Genesis Signal Master - Remote Mount	EG1M-RM	MG1M-RM	G1M-RM
Auto-Sync Output Module	SIGA-CC1S	SIGA-MCC1S	
Dual Input Signal Module	SIGA-CC2A	SIGA-MCC2 A	
Auxiliary Power Supply	APS6A	APS10A	
Power Supply	BPS6A	BPS10A	

[1] Synchronization module requirements are determined by the application.

## Installation

Install this device in accordance with applicable requirements in the latest editions of the NFPA codes and standards, and in accordance with the local authorities having jurisdiction.

**WARNING:** Electrocution hazard. To avoid personal injury or death from electrocution, remove all sources of power and allow stored energy to discharge before installing or removing equipment.

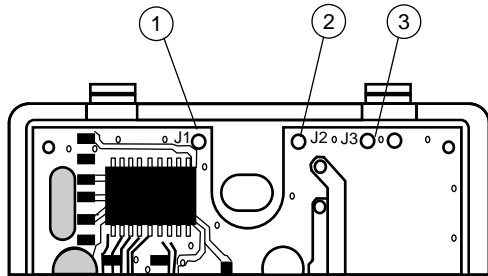
**Caution:** Electrical supervision requires the wire run to be broken at each terminal. Do not loop the signaling circuit field wires around the terminals.

### To install the chime-strobe:

1. Remove the cover by depressing both tabs on the top of the unit with a small screwdriver and twisting slightly.

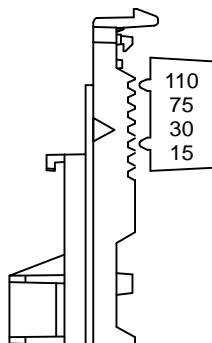
2. Set the chime signal, sound output level, and desired operation settings. See Figure 1.
  - To change the chime signal from steady to temporal, cut from circle J1 to the edge of the circuit board.
  - To change the chime operation from noncoded to coded (single-stroke), cut from circle J2 to the edge of the circuit board.
  - To change the chime sound output level from high dB to low dB, cut the J3 trace between the holes.
3. Slide the candela switch to the desired candela output by aligning it with the indicator located beside the switch. See Figure 2.
4. Connect the chime terminals to the signal circuit field wiring. See Figure 1.
  - For single-stroke coded voltage operation, see Figure 3.
  - For constant noncoded voltage operation, see Figure 4.
5. Mount the unit onto a compatible electrical box, making sure not to overtighten the mounting screws.
6. Replace the cover by aligning it at the bottom, then snapping it in at the top.
7. Test the unit for proper operation.

Figure 1: Chime settings



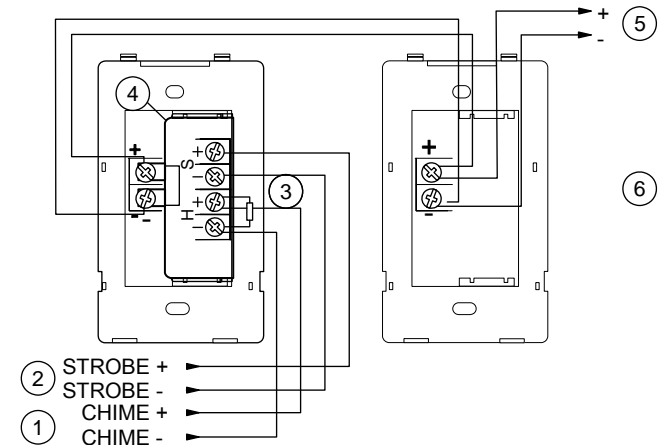
1. J1: Chime signal jumper
2. J2: Coded/non-coded jumper
3. J3: Chime sound output

Figure 2: Candela switch



## Wiring

Figure 3: Wiring for single-stroke coded voltage operation

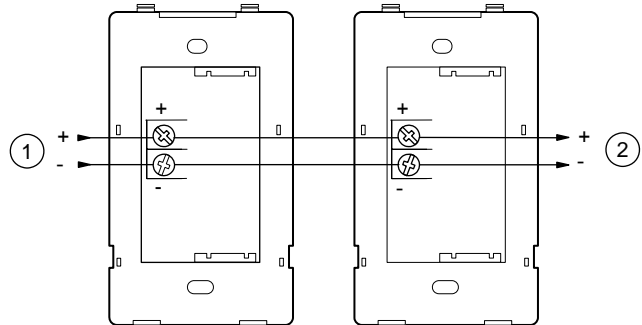


1. Chime in (coded power signal)
2. Strobe in (continuous power signal)
3. Resistor, value determined by the control panel
4. Genesis Signal Master
5. To next appliance, EOL resistor, or Class A circuit return
6. One wire each side of screw head

### Notes

- Polarity shown in alarm condition
- The strobe circuit can be silenced without turning off strobes

Figure 4: Wiring for constant noncoded voltage operation



1. From NAC output
2. To next appliance, EOL, or Class A return

Note: Signal polarity is shown in the alarm condition.

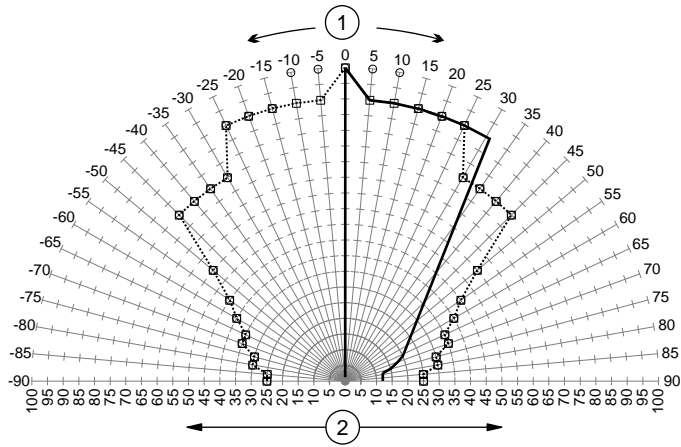
## Maintenance

This unit is not serviceable or repairable. Should the unit fail to operate, contact the supplier for replacement.

Perform a visual inspection and an operational test twice a year or as directed by the local authority having jurisdiction.

Do not change the factory-applied finish.

**Figure 5: UL 1971 minimum light output (% of rating vs. angle)**



1. Angle
2. Minimum UL required candela light output  
 \_\_\_\_\_ % of rated candela vertical specification  
 - - - % of rated candela horizontal specification

## Specifications

Voltage	24 VDC or 24 VFWR nominal
Strobe operating current	See Table 3
Light output	Selectable at 15, 30, 75, and 110 cd
Sound level output	See Table 4
Default settings	
Signal	Steady
Sound level output	High dB
Operation	Noncoded
Signals	
Steady	60 strokes per minute
Temporal	3-stroke pattern
Coded	Maximum 60 strokes per minute
Operating modes	
Noncoded	Continuous voltage
Coded	Single-stroke controlled by voltage
Wire size	12 to 18 AWG (0.75 TO 2.50 mm <sup>2</sup> )
Compatible electrical boxes	2-1/2 in. (64 mm) deep single-gang box 4 in. square box 1-1/2 in. (38 mm), 2-gang 4 in. octagonal with G1T or G1RT trim accessory
Operating environment	
Temperature	32 to 120°F (0 to 49°C)
Relative humidity	0 to 93% noncondensing

**Table 3: Strobe operating current in RMS (A)**

	15 cd	30 cd	75 cd	110 cd
VDC	0.099	0.134	0.233	0.277
VFWR	0.154	0.195	0.338	0.383

VDC = Volts direct current, regulated and filtered

VFWR = Volts full wave rectified

Operating currents shown above were measured by UL at 16 VDC and 16 VFWR.

**Table 4: ULI Ratings, temporal output (private mode)**

Signal	High db	Low db
Temporal	56.9	52.5
Steady	58.2	52.8

dBa = Decibels, A-weighted

UL464: Sound level output at 10 ft (3.05 m) measured in a reverberant room at 16 V.

## Regulatory information

Manufacturer	Edwards, A Division of UTC Fire & Security Americas Corporation, Inc. 8985 Town Center Parkway, Bradenton, FL 34202, USA
Year of manufacture	The first two digits of the DATE MFG number (located on the product identification label) are the year of manufacture
UL rating	Regulated 24 DC and 24 FWR
Environmental class	UL: Indoor
Synchronization	Meets UL 1971 requirements. Maximum allowed resistance between any two devices is 20 Ω. Refer to specifications for the synchronization control module, this strobe, and the control panel to determine allowed wire resistance.
Agency listings	Meets UL1638, UL1971 (see Figure 1) and UL464 (private mode)

## Contact information

For contact information, see [www.utcfireandsecurity.com](http://www.utcfireandsecurity.com).

