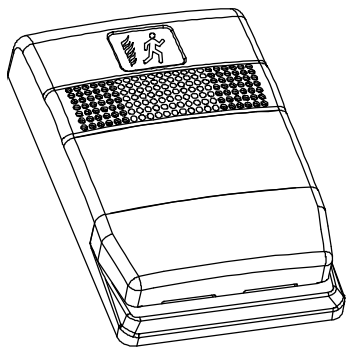


Genesis EG1-C Series Chime Installation Sheet



Description

The Genesis EG1-C Series Chime is an audible fire alarm notification appliance designed for indoor walls. See Table 1 for a list of models.

The chime includes field configurable jumper options for selecting the desired dB output, steady or temporal chime output, and constant noncoded voltage or single-stroke coded voltage operation. A Genesis Signal Master is required when chimes are configured for coded operation.

Note: Synchronization module requirements are determined by your application. See the control panel or power supply compatibility list for compatible synchronization devices.

Table 1: Models

Model numbers	Description
EG1-C	Chime, white
EG1F-C	Chime, white, with FIRE marking
EG1R-C	Chime, red
EG1RF-C	Chime, red, with FIRE marking
EG1T	Trim plate, white
EG1RT	Trim plate, red

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.

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:

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.
3. Connect the chime terminals to the signal circuit field wiring. You must observe polarity for the unit to function properly.

For constant noncoded voltage operation, see Figure 2.

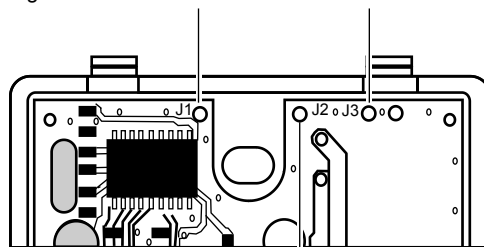
For single-stroke coded voltage operation, see Figure 3.

4. Mount the unit onto a compatible electrical box, making sure not to over tighten the mounting screws.
5. Replace the cover by aligning it at the bottom, and then snapping it in at the top.
6. Test the unit for proper operation.

Figure 1: Chime settings

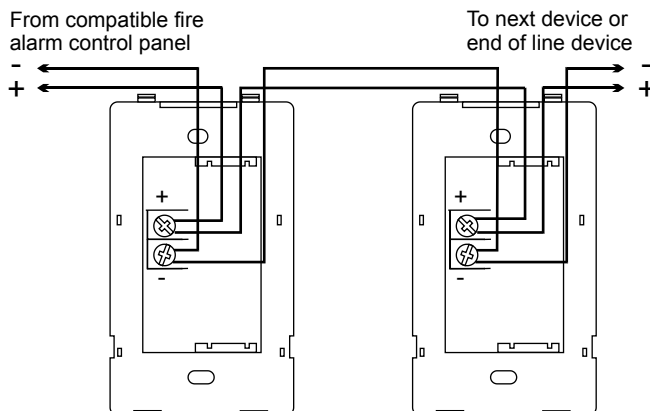
To change the chime signal from steady to temporal cut from circle J1 to edge of circuit board

To change the chime sound output level from high dB to low dB cut J3 trace between holes

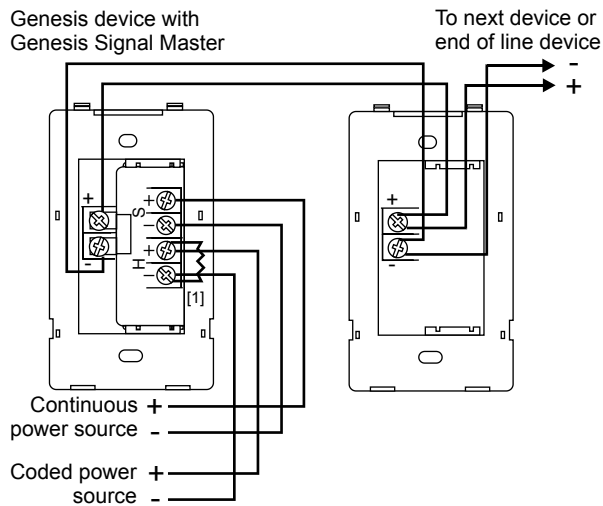


To change the chime operation from noncoded to coded (single-stroke) cut from circle J2 to edge of circuit board

Figure 2: Constant noncoded voltage operation



Note: Polarity shown in alarm condition

Figure 3: Single-stroke coded voltage operation

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.

Specifications

Operating voltage [1]	Regulated 16 to 33 VDC, 16 to 33 VFWR
Operating current	See Table 2
Sound level output	See Table 3
Signals	
Steady	60 strokes per minute
Temporal	3-stroke pattern
Coded	60 strokes per minute max.
Operating modes	
Noncoded	Continuous voltage
Coded	Single-stroke controlled by voltage
Default settings	
Signal	Steady
Sound level output	High dB
Operation	Noncoded
Wire size	12 to 18 AWG (4.0 to 1.0 mm ²)
Compatible electrical boxes	North American 2-1/2 in. (64 mm) deep 1-gang box Standard 4 in. square box 1-1/2 in. (38 mm), 2-gang, or 4 in. octagonal with EG1T or EG1RT trim accessory
Operating environment	
Temperature	32 to 120°F (00 to 49°C)
Relative humidity	0 to 93% noncondensing

[1] This device was tested to the regulated 24 VDC/FWR operating voltage limits of 16 V and 33 V. Do not apply 80% and 110% of these values for system operation.

Table 2: Operating current in (Amp RMS)

	High dB	Low dB
16 VDC [1]	0.030	0.019
24 VDC	0.043	0.026
33 VDC	0.045	0.027
16 VFWR [2]	0.060	0.040
24 VFWR	0.076	0.049
33 VFWR	0.081	0.055

[1] VDC = Volts direct current, regulated and filtered

[2] VFWR = Volts full wave rectified

Table 3: Sound level output (dBA) [1] [2]

Signal and voltage		High dB	Low dB
Temporal	16 VDC	56.9	52.5
	24 VDC	59.8	54.8
	33 VDC	60.1	55.0
Steady	16 VDC	58.2	52.8
	24 VDC	60.8	55.6
	33 VDC	61.3	56.1

[1] dBA = Decibels, A-weighted

[2] UL 464: Sound level output at 10 ft. (3.05 m) measured in a reverberant room.

Regulatory information

UL rating	UL 464 (private mode)
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Contact information

For contact information, see www.kiddlifesafety.com.