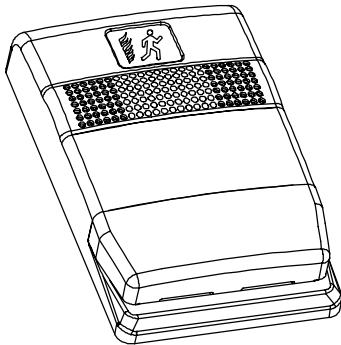


Product information



The Genesis Temporal Horn is an audible fire alarm notification appliance designed for indoor walls. See Table 1 for a list of model numbers.

The horn includes field configurable jumper options for selecting both the desired dB output and temporal or steady horn output.

Install this device in accordance with applicable requirements in the latest editions of the NFPA codes and standards and Canadian Electrical Code, Part 1, Section 32, and in accordance with the local authorities having jurisdiction.

Table 1: Model numbers

Model description	Model numbers	
Temporal horn, white	ADTG1-HD EG1-HD G1-HD G1-HD-LG	MG1-HD XLSG1-HD ZG1-HD
Temporal horn, white, with FIRE marking	ADTG1F-HD EG1F-HD G1F-HD G1F-HD-LG	MG1F-HD XLSG1F-HD ZG1F-HD
Temporal horn, red	ADTG1R-HD EG1R-HD G1R-HD G1R-HD-LG	MG1R-HD XLSG1R-HD ZG1R-HD
Temporal horn, red, with FIRE marking	ADTG1RF-HD EG1RF-HD G1RF-HD G1RF-HD-LG	MG1RF-HD XLSG1RF-HD ZG1RF-HD
Trim plate, white	ADTG1T EG1T G1T G1T-LG	MG1T XLSG1T ZG1T
Trim plate, white, with FIRE marking	ADTG1T EG1T G1T G1T-LG	MG1T XLSG1T ZG1T

Table 1: Model numbers

Model description	Model numbers	
Trim plate, red	ADTG1RT EG1RT G1RT G1RT-LG	MG1RT XLSG1RT ZG1RT
Trim plate, red, with FIRE marking	ADTG1RT EG1RT G1RT G1RT-LG	MG1RT XLSG1RT ZG1RT

Specifications

Operating voltage:

Regulated 16 to 33 Vdc, 16 to 33 Vfwr

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.

Sound level output: See Table 2

Operating current: See Table 3

Wire size: 12 to 18 AWG (2.50 to 0.75 sq mm)

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 G1T or G1RT trim accessory

Operating temperature range: 32 to 120 °F (0 to 49 °C)

Operating humidity range: 0 to 93% RH

Agency listings: Meets or exceeds ULC-S525 and UL464 Seventh Edition

Table 2: Sound level output (dBA)

Signal and voltage		Low	High
Temporal	16 Vdc	76.0	81.4
	24 Vdc	79.4	84.4
	33 Vdc	82.1	86.3
Continuous	16 Vdc	80.1	85.5
	24 Vdc	83.5	88.6
	33 Vdc	86.5	90.4

dBA = Decibels, A-weighted

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

ULC-S525: Meets or exceeds 85 dBA in an anechoic chamber at 10 ft (3.05 m).

Table 3: Operating current in RMS (A)

Voltage	High	Low
16 Vdc	.026	.019
24 Vdc	.036	.027
33 Vdc	.041	.033
16 Vfwr	.051	.037
24 Vfwr	.069	.052
33 Vfwr	.076	.070

Vdc = Volts direct current, regulated and filtered
Vfwr = Volts full wave rectified.

Installation instructions

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 horn:

1. Remove the cover by depressing both tabs on the top of the unit with a small screwdriver and twisting slightly.
2. Set the horn signal and sound output level to desired settings. See Figure 1.
3. Connect the horn terminals to the signal circuit field wiring. You must observe polarity for the unit to function properly. See Figure 2.
4. Mount the unit onto a compatible electrical box, making sure not to over tighten the mounting screws.
5. Replace the cover by aligning at the bottom, then snapping in at the top.
6. Test the unit for proper operation.

To change the horn **signal** from temporal to steady cut from circle J2 to edge of circuit board

To change the horn **sound output level** from high dB to low dB cut J3 by snipping the board trace between holes

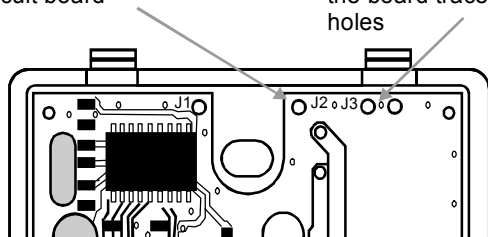
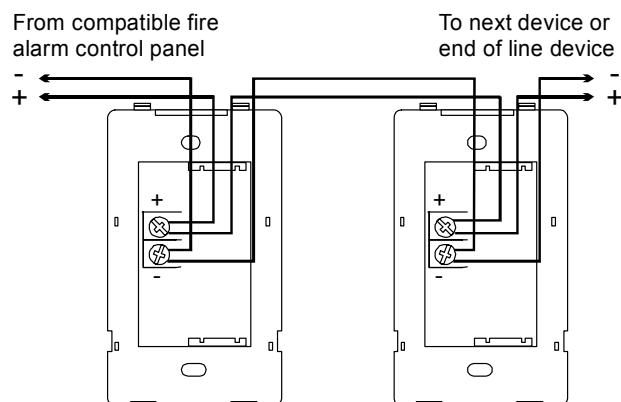


Figure 1: Horn settings



Note: Polarity shown in alarm condition

Figure 2: Wiring diagram

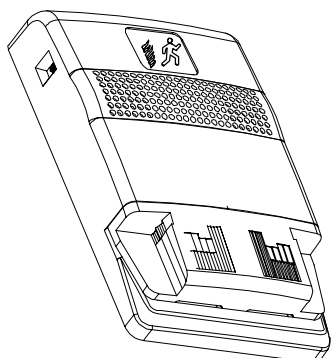
Maintenance

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.

Genesis Temporal Horn/Strobe

Product information



The Genesis Temporal Horn/Strobe is a fire alarm notification appliance designed for indoor walls. See Table 1 for a list of model numbers.

The horn includes field configurable jumper options for selecting the desired dB output, temporal or steady horn output, and strobe signal output.

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* and the latest Canadian standard CAN/ULC S526-02. Synchronized operation requires a separately installed synchronization control module. See Table 2 for a list of compatible synchronization modules.

Install this device in accordance with applicable requirements in the latest editions of the NFPA codes and standards and Canadian Electrical Code, Part 1, Section 32, CAN/ULC S524-01, *Standard for the Installation of Fire Alarm Systems*, and in accordance with the local authorities having jurisdiction.

Table 1: Model numbers

Model description	Model numbers	
Horn-strobe, 15 to 110 multi-cd, white	ADTG1-VM	MG1-VM
	EG1-VM	XLSG1-VM
	G1-VM	ZG1-VM
	G1-VM-LG	
Horn-strobe, 15 to 110 multi-cd, white, with FIRE marking	ADTG1F-VM	MG1F-VM
	EG1F-VM	XLSG1F-VM
	G1F-VM	ZG1F-VM
	G1F-VM-LG	
Horn-strobe, 15 to 110 multi-cd, red	ADTG1R-VM	MG1R-VM
	EG1R-VM	XLSG1R-VM
	G1R-VM	ZG1R-VM
	G1R-VM-LG	

Table 1: Model numbers

Model description	Model numbers	
Horn-strobe, 15 to 110 multi-cd, red, with FIRE marking	ADTG1RF-VM	MG1RF-VM
	EG1RF-VM	XLSG1RF-VM
	G1RF-VM	ZG1RF-VM
	G1RF-VM-LG	
Trim plate, white	ADTG1T	MG1T
	EG1T	XLSG1T
	G1T	ZG1T
	G1T-LG	
Trim plate, white, with FIRE marking	ADTG1T	MG1T
	EG1T	XLSG1T
	G1T	ZG1T
	G1T-LG	
Trim plate, red	ADTG1RT	MG1RT
	EG1RT	XLSG1RT
	G1RT	ZG1RT
	G1RT-LG	
Trim plate, red, with FIRE marking	ADTG1RT	MG1RT
	EG1RT	XLSG1RT
	G1RT	ZG1RT
	G1RT-LG	

Table 2: Compatible synchronization modules

Model description	Model numbers	
Auto-Sync Output Module	SIGA-CC1S	SIGA-MCC1S
	SIGA-CC1S-LG	SIGA-MCC1S-LG
Signal Master snap on piggyback (1-gang)	ADTG1M	MG1M
	EG1M	XLSG1M
	G1M	ZG1M
	G1M-LG	
Signal Master - Remote Mount	ADTG1M-RM	MG1M-RM
	EG1M-RM	XLSG1M-RM
	G1M-RM	ZG1M-RM
	G1M-RM-LG	

Specifications

Operating voltage: Regulated 16 to 33 Vdc, 16 to 33 Vfwr

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

Sound level output: See Table 3

Strobe operating current: See Table 4

Light output: Selectable at 15, 30, 75, and 110 cd

Synchronization: Meets or exceeds 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.

Wire size: 12 to 18 AWG (2.50 to 0.75 sq mm)

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 G1T or G1RT trim accessory

Operating temperature range: 32 to 120 °F (0 to 49 °C)

Operating humidity range: 0 to 93% RH

Agency listings: Meets or exceeds year 2004 UL requirements for standards UL1638 and UL1971 (see Figure 1) and Canadian requirements for standards CAN/ULC S526-02

Table 3: Sound level output (dBA)

Signal and voltage		Low	High
Temporal	16 Vdc	76.0	81.4
	24 Vdc	79.4	84.4
	33 Vdc	82.1	86.3
Continuous	16 Vdc	80.1	85.5
	24 Vdc	83.5	88.6
	33 Vdc	86.5	90.4

dBA = Decibels, A-weighted

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

ULC-S525: Meets or exceeds 85 dBA in an anechoic chamber at 10 ft (3.05 m).

Table 4: Horn/strobe operating current in RMS (A)

Voltage and candela		High	Low
Vdc	15 cd	0.129	0.122
	30 cd	0.167	0.160
	75 cd	0.281	0.274
	110 cd	0.337	0.330
Vfwr	15 cd	0.176	0.162
	30 cd	0.230	0.216
	75 cd	0.397	0.383
	110 cd	0.443	0.429

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.

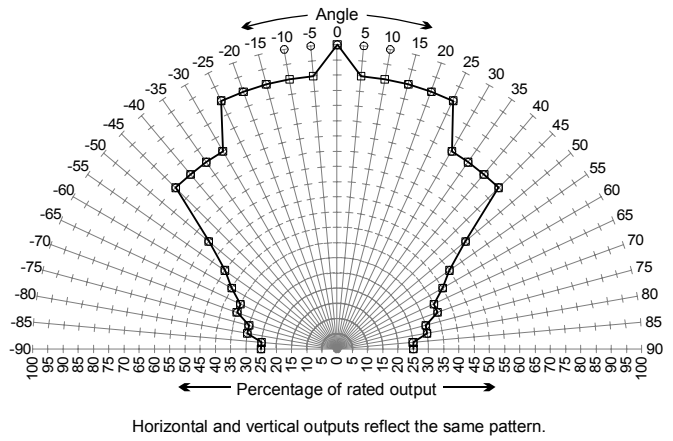


Figure 1: UL 1971 minimum light output (% of rating vs. angle)

Installation instructions

Warning: To reduce the risk of shock, disconnect all power and allow 10 minutes for stored energy to dissipate before handling.

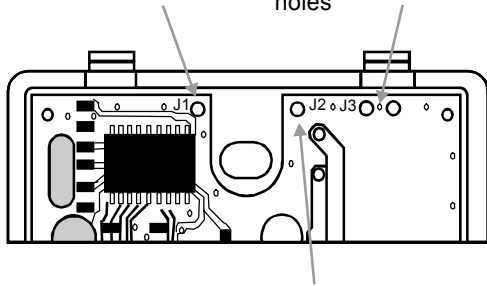
Caution: Electrical supervision requires the wire run to be broken at each terminal. Do not loop the signaling circuit field wires around the terminals.

To install the horn/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 horn signal, sound output level, and strobe signal to desired settings. See Figure 2.
3. Slide the candela switch to the desired candela output (15, 30, 75, or 110 cd) by aligning it with the indicator located left of the switch. See Figure 3.
4. Connect the strobe terminals to the signal circuit field wiring. You must observe polarity for the unit to function properly. See Figure 4.
5. Mount the unit onto a compatible electrical box, making sure not to over-tighten the mounting screws.
6. Replace the cover by aligning at the bottom, then snapping in at the top.
7. Test the unit for proper operation.

To change the **strobe** to temporal (private mode) cut from circle J1 to edge of circuit board

To change the horn **sound output level** from high dB to low dB cut J3 by snipping the board trace between holes



To change the horn **signal** from temporal to steady cut from circle J2 to edge of circuit board

Figure 2: Horn and strobe settings

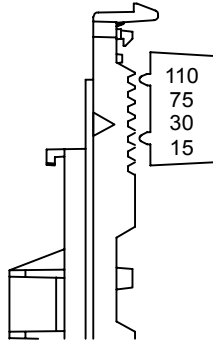
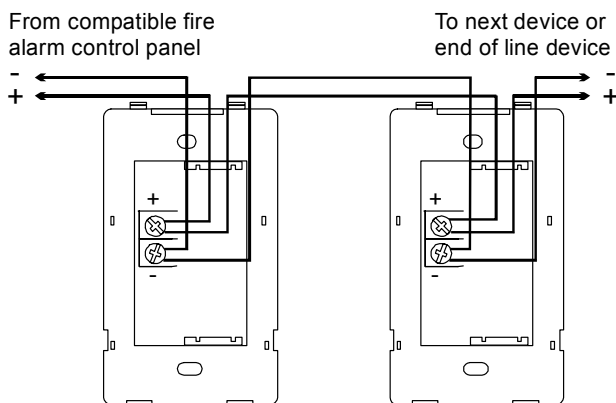


Figure 3: Candela switch



Note: Polarity shown in alarm condition

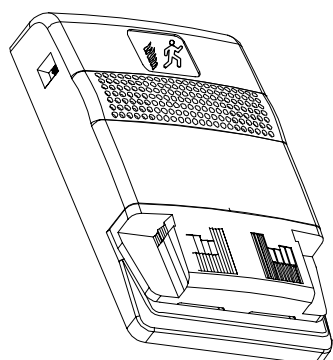
Figure 4: Wiring diagram

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.

Product information



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

The strobe includes a field configurable switch for selecting the desired candela output and a field configurable jumper for the strobe signal 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* and the latest Canadian standard CAN/ULC S526-02. Synchronized operation requires a separately installed synchronization control module. See Table 2 for a list of compatible synchronization modules.

Install this device in accordance with applicable requirements in the latest editions of the NFPA codes and standards and Canadian Electrical Code, Part 1, Section 32, CAN/ULC S524-01, *Standard for the Installation of Fire Alarm Systems*, and in accordance with the local authorities having jurisdiction.

Table 1: Model numbers

Model description	Model numbers	
Strobe, 15 to 110 multi-cd, white	ADTG1-VM	MG1-VM
	EG1-VM	XLSG1-VM
	G1-VM	ZG1-VM
	G1-VM-LG	
Strobe, 15 to 110 multi-cd, white, with FIRE marking	ADTG1F-VM	MG1F-VM
	EG1F-VM	XLSG1F-VM
	G1F-VM	ZG1F-VM
	G1F-VM-LG	
Strobe, 15 to 110 multi-cd, red	ADTG1R-VM	MG1R-VM
	EG1R-VM	XLSG1R-VM
	G1R-VM	ZG1R-VM
	G1R-VM-LG	
Strobe, 15 to 110 multi-cd, red, with FIRE marking	ADTG1RF-VM	MG1RF-VM
	EG1RF-VM	XLSG1RF-VM
	G1RF-VM	ZG1RF-VM
	G1RF-VM-LG	

Table 1: Model numbers

Model description	Model numbers	
Trim plate, white	ADTG1T	MG1T
	EG1T	XLSG1T
	G1T	ZG1T
	G1T-LG	
Trim plate, white, with FIRE marking	ADTG1T	MG1T
	EG1T	XLSG1T
	G1T	ZG1T
	G1T-LG	
Trim plate, red	ADTG1RT	MG1RT
	EG1RT	XLSG1RT
	G1RT	ZG1RT
	G1RT-LG	
Trim plate, red, with FIRE marking	ADTG1RT	MG1RT
	EG1RT	XLSG1RT
	G1RT	ZG1RT
	G1RT-LG	

Table 2: Compatible synchronization modules

Model description	Model numbers	
Auto-Sync Output Module	SIGA-CC1S	SIGA-MCC1S
	SIGA-CC1S-LG	SIGA-MCC1S-LG
Signal Master snap on piggyback	ADTG1M	MG1M
	EG1M	XLSG1M
	G1M	ZG1M
	G1M-LG	
Signal Master - Remote Mount	ADTG1M-RM	MG1M-RM
	EG1M-RM	XLSG1M-RM
	G1M-RM	ZG1M-RM
	G1M-RM-LG	

Specifications

Operating voltage:

Regulated 16 to 33 Vdc, 16 to 33 Vfwr

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.

Strobe operating current: See Table 3

Light output: Selectable at 15, 30, 75, and 110 cd

Synchronization: Meets or exceeds 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.

Wire size: 12 to 18 AWG (2.50 to 0.75 sq mm)

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 G1T or G1RT trim accessory

Operating temperature range: 32 to 120 °F (0 to 49 °C)

Operating humidity range: 0 to 93% RH

Agency listings: Meets or exceeds year 2004 UL requirements for standards UL1638 and UL1971 (see Figure 1) and Canadian requirements for standards CAN/ULC S526-02

Table 3: Strobe operating current in RMS (A)

	15 cd	30 cd	75 cd	110 cd
Vdc	0.103	0.141	0.255	0.311
Vfwr	0.125	0.179	0.346	0.392

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.

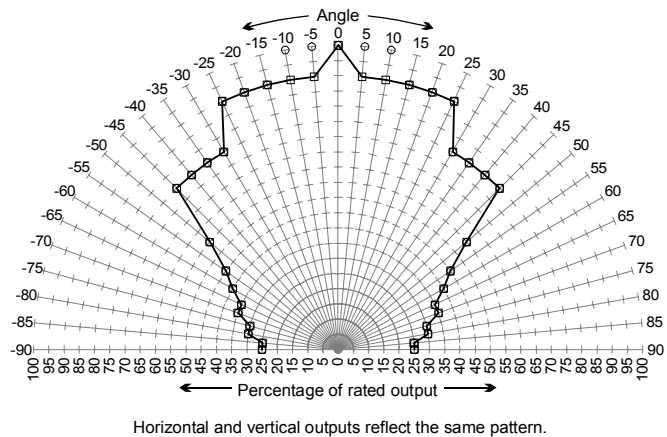


Figure 1: UL 1971 minimum light output (% of rating vs. angle)

Installation instructions

Warning: To reduce the risk of shock, disconnect all power and allow 10 minutes for stored energy to dissipate before handling.

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 strobe:

1. Remove the cover by depressing both tabs on the top of the unit with a small screwdriver and twisting slightly.
2. Slide the candela switch to the desired candela output (15, 30, 75, or 110 cd) by aligning it with the indicator located beside the switch. See Figure 2.
3. Set the strobe signal if required. See Figure 3.
4. Connect the strobe terminals to the signal circuit field wiring. You must observe polarity for the unit to function properly. See Figure 4.
5. Mount the unit onto a compatible electrical box, making sure not to over-tighten the mounting screws.
6. Replace the cover by aligning at the bottom, then snapping in at the top.
7. Test the unit for proper operation.

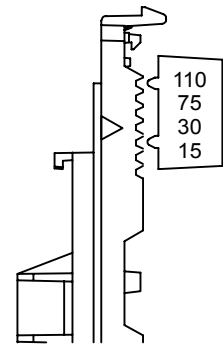


Figure 2: Candela switch

To change the strobe to temporal (private mode) cut from circle J1 to edge of circuit board

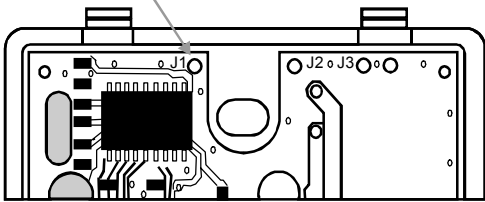
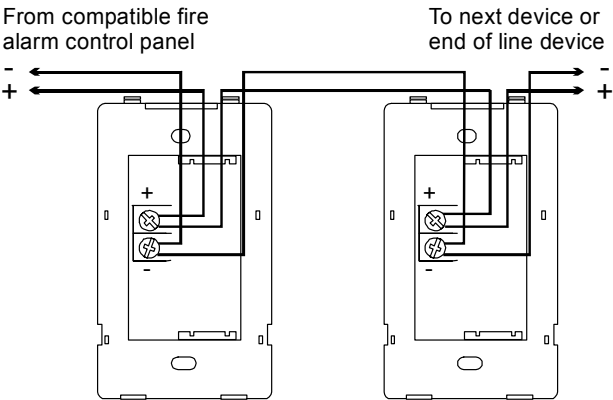


Figure 3: Strobe signal setting

Note: If the strobe is set to temporal (private mode), this device is no longer UL 1971 listed but is UL 1638 listed.



Note: Polarity shown in alarm condition

Figure 4: Wiring diagram

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.