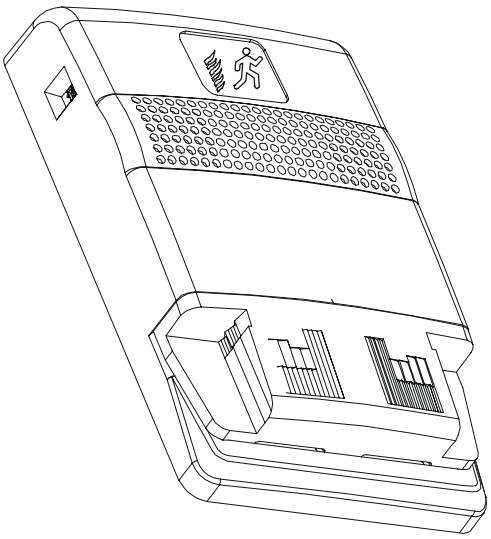
Genesis Strobe

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: Models

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

Table 1: Models

Description	Model number	
Strobe, 15 to 110 multi-cd, red, with FIRE marking	ADTG1RF-VM EG1RF-VM G1RF-VM G1RF-VM-LG	MG1RF-VM XLSG1RF-VM ZG1RF-VM
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
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

Table 2: Compatible synchronization modules

Description	Model number	
Auto-Sync Output Module	SIGA-CC1S SIGA-CC1S-LG	SIGA-MCC1S SIGA-MCC1S-LG
Genesis Signal Master Snap-on Mount	ADTG1M EG1M G1M G1M-LG	MG1M XLSG1M ZG1M
Genesis Signal Master - Remote Mount	ADTG1M-RM EG1M-RM G1M-RM G1M-RM-LG	MG1M-RM XLSG1M-RM ZG1M-RM

Specifications

Operating voltage: 24 Vdc or 24 Vfwr, nominal
Strobe operating current: See Table 3
Light output: Selectable at 15, 30, 75, and 110 cd
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.
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

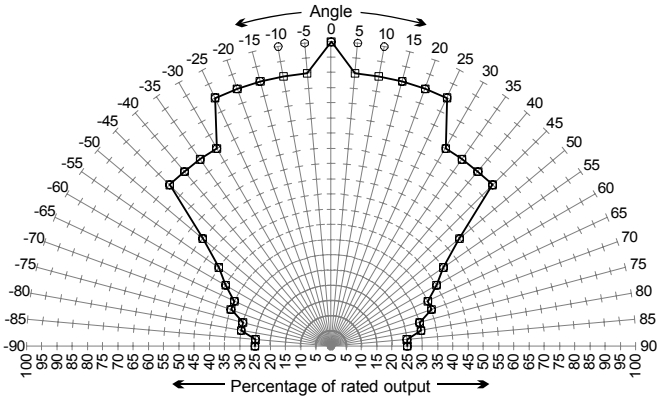
Operating environment
- Temperature: 32 to 120 °F (0 to 49 °C)
- Humidity: 0 to 93% RH, noncondensing at 90 °F (32 °C)

Agency listings: Meets year 2004 UL requirements for standards UL1638 and UL1971 (see Figure 1) and Canadian requirements for standards CAN/ULC S526-02 and CAN/ULC S524-01
UL ratings: Regulated 24 DC, Regulated 24 FWR
ULC ratings: 20 to 31 Vdc or 20 to 31 Vfwr

Table 3: Strobe operating current in RMS (A)

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

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



Horizontal and vertical outputs reflect the same pattern.

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.

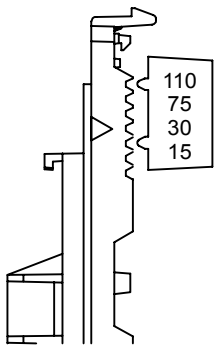


Figure 2: Candela switch

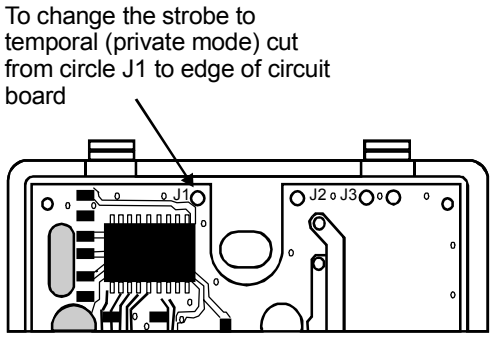
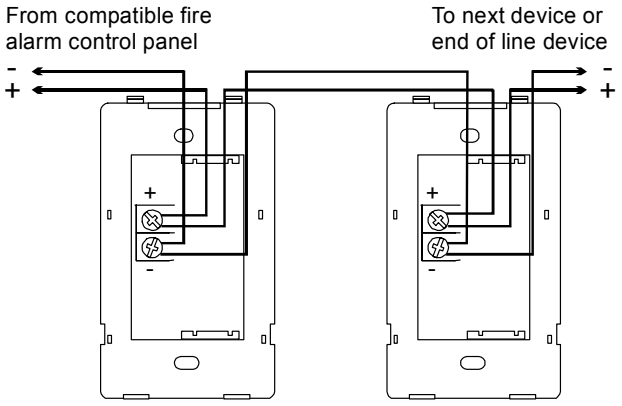


Figure 3: Strobe signal setting

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