

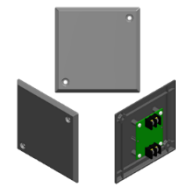
Monthly Topic: Notification Appliances

- A notification appliance is an active component of life safety systems, and its primary function is to alert persons at risk.
- Alerting methods include sound (audible signals) and light (visible signals).
 - **Audible**
 - Most audible appliances produce sound pressure levels between 45 and 120 decibels A-weighted (dBA).
 - **Visual**
 - Luminous intensity for visual alarms can range from 15 to 1000 candela (cd) output.
- In the United States, the Americans with Disabilities Act (ADA) of 1990 led to the inclusion of visual signaling to alert the hearing impaired. Later ADA codes required strobes to be at least 15 candelas and have a flash rate of one flash per second.



Macurco Horn and Strobe

- **Synchronization** – All strobes within a field of view need to be synchronized in a uniform flash pattern. This stipulation comes from codes found in NFPA 72 and ANSI 117.1, which require compliance with the ADA.
 - Created to prevent individuals with photosensitive epilepsy from potentially experiencing seizures due to unsynchronized strobes.
 - When utilizing multiple Macurco Horn Strobes in a system where synchronization is required, the Macurco H/S Sync Module should be used.
- **Audibility** (per NFPA 72):
 - “To ensure that audible public mode signals are clearly heard, unless otherwise permitted by 7.4.2.2 through 7.4.2.5, they shall have a sound level at least 15 dB (Decibel) above the average ambient sound level or 5 dB above the maximum sound level having a duration of at least 60 seconds, whichever is greater, measured 1.5 m (5 ft) above the floor in the occupiable area, using the A-weighted scale (dBA).”



Macurco H/S Sync Module

Macurco Products

- [Macurco Horn Strobe](#)
- [6-Series Detectors](#)
- [Control Panel Products](#)

Macurco Literature

- [Quick Reference Sheet](#)
- [Parking Garage Guide](#)
- [Gas & Product Training](#)

Learn More

- [Clarify Code Requirements](#)
- [Photosensitive Epilepsy](#)
- [NFPA 72 Code](#)
- [Strobe Code Compliance](#)

Models Available



HS-A (Amber)



HS-B (Blue)



HS-C (Clear)



HS-G (Green)



HS-R (Red)