

HN & HNH Electron-Mechanical Horns

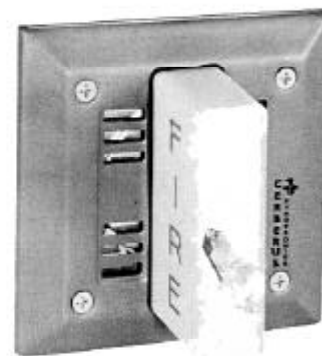
Horn and Horn Strobes

ENGINEER AND ARCHITECT SPECIFICATIONS

- Contactless Design
Eliminates Contact
Generated Inrush and
RFI
- Penetrating Mechanical
Sound
- Weatherproof when
Mounted in FWB
Series Box
- Low Operating Current
- ADA/UL 1971 Horn-Strobe
Versions
- High and Standard dB
Models
- Available in Flush, Surface,
or Ceiling Mount
- Flush and Surface Models
Available in Red or White
- Standard 4 inch Square
Mounting
-  Listed, NYMEA Approved



SURFACE



FLUSH WITH 15/75 STROBE

Introduction

The Cerberus Pyrotronics Electro-Mechanical Horn combines state-of-the-art electronics with rugged, proven durability, providing the penetrating sound of an electromechanical horn while eliminating problems associated with contacts. These units are designed for ADA applications and meet the latest requirements of NFPA 72 (the National Fire Alarm Code) and UL 1971 standards for signaling devices for the hearing impaired.

Description

Rugged metal construction and modern electronics eliminates the effects of inrush and RFI noise associated with contact operated electromechanical devices which providing penetrating sound in a durable package. This unit draws as little as 38 mA due to its energy efficient design. Terminal screws are provided for horn and strobe. A full compliment of accessories are available including: backbox, weatherproof box, single and double projectors, bi-directional pendent housing, semi-flush plate and conduit plate.

All strobe versions utilize a Xenon flashtube with solid state circuitry for maximum reliability and efficiency. Strobes are available in 15, 15/75, 75, and 110 Candela ratings with various mounting configurations. The strobe lens has a bottom material made of white Lexan® with 5/8" red FIRE letters. The top of the strobe has a rounded dome shape made of clear Lexan®. The overall lens height is 2.5" with a width of 1.25".

The S15 model provides 15 cd and are used in non-sleeping areas where lower candela is required per UL 1971.

The S17 model is for non-sleeping installations requiring 15 cd output while also providing an ADA compliant 75 cd frontal output for public areas.

The S75 version offers a 75 cd polar output that meets ADA requirements for regular lighted public areas while also satisfying UL 1971 in substitution of multiple 15 cd units.

The S110 version intensifies a non-sleeping ADA area with 110 cd and can be used in sleeping areas to help wake the hearing impaired person per UL 1971.

Horns (@ 24 VDC)

Standard Model No.	Mounting	Typical dB @ 10 *	mA	High Output Model No	Typical dB @ 10 *	mA
HN-F	Flush	96	38	HNH-F	100	65
HN-S	Surface	96	38	HNH-S	100	65
HN-C	Ceiling	96	38	HNH-C	100	65

Horn-Strobes (@ 24 VDC)

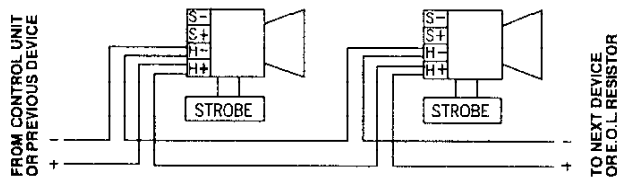
Standard Model No.	Mounting	Typical dB @10 *	mA	Nominal Strobe Current Ratings (mA)			
				15	17(15/75)	75	110
HN-S()-F	Flush	96	38	80	80	175	245
HN-S()-S	Surface	96	38	80	80	175	245
HN-S()-C	Ceiling	96	38	80	80	NA	NA
High Output Model No.							
HNH-S()-F	Flush	100	65	80	80	175	245
HNH-S()-S	Surface	100	65	80	80	175	245
HNH-S()-C	Ceiling	100	65	80	80	NA	NA

* Minimum UL measurements taken in reverberant room are 85 dB for HN models and 88 dB for HNH models. Horn environmental ratings (-35 to 66)°C, (-31 to 150)°F with humidity @ 40°C, 104°F.

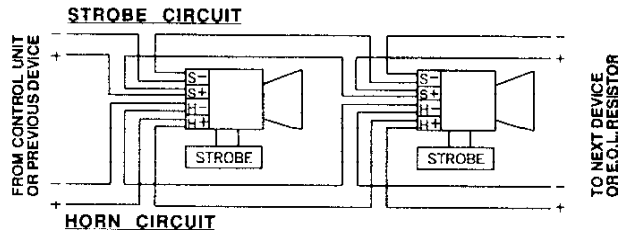
Note: () represents strobe model, e.g., 15, 17, 75 or 110.

Wiring Diagram

WIRING FOR HORN-STROBES WHERE HORNS AND STROBES CONNECT TO THE SAME CIRCUIT



WIRING FOR HORN-STROBES WHERE HORNS AND STROBES CONNECT TO SEPARATE CIRCUITS. (CUT JUMPERS J1 AND J2)



Accessories

Model No.	Description
FBX-S	Surface Box, red
FBX-SF	Deep Surface Box for Flush Grill Signals, Red
FIB	Indoor Surface Box, Red
FBX-F	2.7 Inch Deep Flush Backbox
FBDM	Pendent Wall/Ceiling Housing for Bi-Directional Flush Horn/Strobe, Red
FSFP	Semi-Flush Plate, Red
FCCP	Concealed Conduit Plate, Red
FWB-1	Weatherproof Box, 1/2" Conduit, Red
FWB-2	Weatherproof Box, 3/4" Conduit, Red

Note: When ordering white, add the letter "W" to the end of the model number. (e.g., HN-F is HN-FW in white)

NOTICE: The use of other than Cerberus Pyrotechnics signals, detectors and bases with Cerberus Pyrotechnics control equipment will be considered a misapplication of Cerberus Pyrotechnics equipment and as such void all warranties either expressed or implied with regard to loss, damage, liabilities and/or service problems.



Cerberus Pyrotechnics
8 Ridgedale Avenue
Cedar Knolls, NJ 07927
Tel: (201) 267-1300
FAX: (201) 397-7008
Website: www.cerbpyro.com

4/97
7.5M
CPY-IG
Printed in U.S.A.

Cerberus Pyrotechnics
50 East Pearce Street
Richmond Hill, Ontario
L4B 1B7 CN
Tel: (905) 764-8384
FAX: (905) 731-9182

April 1997
Supersedes sheet dated 4/96