Agni Instruments Engineers India Private Limited

Agni Veiga Series

Intelligent Addressable

V-1

TECHNICAL DATA SHEET

SOUNDER / HORN CUM STROBE

AGNI-VEIGA -IND-WSM+LPM

The Agni Veiga is a wall mounted sounder/ horn cum strobe / Beacon with Low power consumption. our different and selected using DIP Switches 1 and 2.

Both continuous and pulsing outputs are provided via separate negative Supply connections allowing or the presence of Differenntted evacuauation and alert sounds.

Audible alarms Sound Level Sounders must produce a minimum sound level of either 65 dB A or 5 dB(A) above any other ambient noise, whichever is greater, in occupied areas. In sleeping areas requiring arousal the sound level must be a minimum of 75 dB

Strobes are essential for providing visual indication, especially in noisy environments or for the hearing impaired Intensity Minimum light intensity levels are specified as 75 candela (cd) for office areas and 110 candela (cd) for factory areas.

Product Overview & Function

IS 2189 is the Indian Standard for the selection, installation, and maintenance of fire detection and alarm systems, which often references components that may comply with EN 54 standards for equipment specifications. The standard outlines specific requirements for sounder and strobe (visual) devices to ensure effective and reliable fire signaling.

90dB at 1 meter: A sounder producing 90dB at 1 meter is highly suitable, as it easily meets the requirement of providing Over 65 dB (A) in most occupied spaces, allowing for attenuation over distance and through walls.

TECHNICAL SPECIFICATIONS	SOUNDER / BEACON / HORN CUM STROBE / SOUNDER FLASHER
INPUT SUPPLY VOLTAGE	18 V to 40 V DC
CURRENT - SOUNDER/BEACON ACTIVE	10 mA - 280 mW @ 28 V DC
MAXIMUM SOUNDER OUTPUT	97.5 dB to 105dB (@ 1 meter - 30 V DC)
CABLE SIZE	1.5 sq mm²
RESET/START-UP TIMES	20 seconds max.
FREQUENCY	500Hz to 1000Hz. Depending On The Tone Prog.
COLOUR	Red
CASE MATERIAL	ABS and PC - Flame Retardant rating UL 94 V2
OPERTING. TEMPERATURE	-10°C to 70°C
MAX. HUMIDITY	95% RH Non-Condensing
DIMENSIONS	110 (D) x 85 (H) mm inc. base
WEIGHT	254 g inc. base & 304 g inc. packaging
PROTECTION CATEGORY	Type A - Indoor Use / Rating IP21C

AGNI VEIGA-RED IND-LPM	**WALL SOUNDER + LOOP MODULE**	**IND-WSM+LPM**

CE
EN 54-5-7
IS 2189
ERTL / NABL

9811522993 / 9811554440 info@agnifirealarm.com www.agnifirealarm.com www.agnifirealarm.net

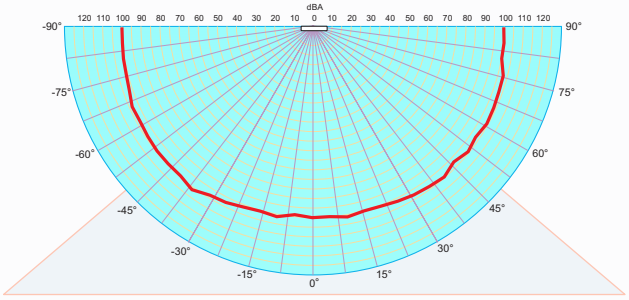
Y-51, OKHLA INDUSTRIAL AREA PAHSE.-II NEW DELHI 110020 (INDIA)

TECHNICAL DATA

SOUNDER / HORN CUM STROBE

Average Sound Output (dBA)

(High dB setting, anechoic, 24V, measured at 10ft)

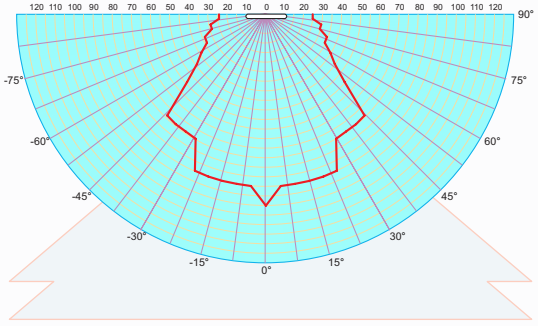


dBA output

High dB Setting	Temporal	Steady	Temporal/ Steady	Temporal/ Steady
16 Vdc	81.4	85.5	91.4	94.2 ±1%
24 Vdc	84.4	88.6	94.5	106.5 ±1%
30 Vdc	86.3	90.4	96.9	110 ±1%

	Steady Tone Horns		
16 Vdc	70 dBA, min	75 dBA	90 dBA ±1%
24 Vdc	84.4 dBA, min	94 dBA	101 dBA±1%

Light output - (effective cd)



High Performance LED Strobe Technology

– Ultra low device current consumption
– High efficiency optics
– Selectable 35, 40, or 85 & 110 cd light output
– LED devices may be Replace with legacy Xenon strobes

Strobes, Horn-Strobes

Multi-cd Wall Strobes				Programmable
Rating	35 cd*	40 cd*	85 cd**	110 cd*
	RMS	RMS	RMS	RMS
24 Vdc	103	141	152	255

Overview

Agni line of signals are among the smallest, most compact audible-visible emergency signaling devices in the world. About the size of a deck of playing cards, these devices are designed to blend with any decor.

Application

Veiga horn strobes are UL 1971-compliance for use indoors public-mode notification appliances for the hearing impaired. Prevailing codes require strobes to be used where ambient noise conditions exceed **105 dBA 87dBA** , where occupants use hearing protection, and in areas of public accommodation as

Standard Features

- **Unique Round profile design**
  – Ultra-slim – protrudes less than one inch
  – Attractive appearance
  – No visible mounting screws

- **Four field-configurable options in one device**
  – Select 35, 40, 75, or 85 & 110 cd strobe output
  – Select high (default) or low dB horn output
  – Select temporal (default) or steady horn output
  – Select public mode flash rate (default) or private mode temporal flash

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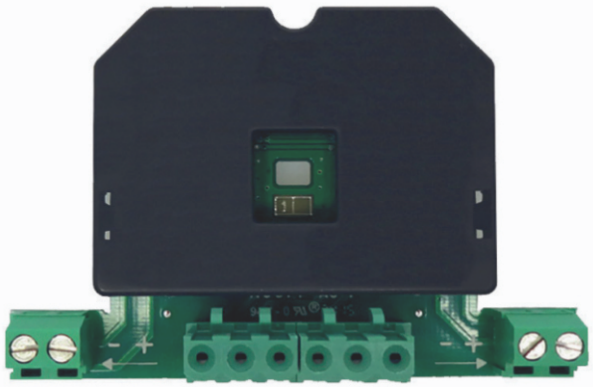
TECHNICAL DATA SHEET

LOOP POWERED INTERFACE MODULE



AGNI VEIGA -IND-WSM

The IND-WSM Intelligent Sounder Interface module is designed for use with the Agni range of modular wall sounders and sounder beacons. When either the conventional sounder or sounder beacon are fitted with this module they can then be installed directly onto any AGNI compatible intelligent loop. Once installed on to an Agni compatible loop the device is fully addressable and benefits from an extensive range of intelligent con trol and monitoring functionality.

The **Agni veiga** is a wall mounted sounder/horn cum strobe/Beacon with low power consumption. our different tones are available and selected using DIP switches 1 and 2.

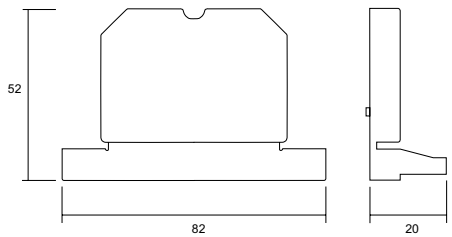
Both continuous and pulsing outputs ae provided via separate negative supply connections allowing or the presence of differenntted evacuauation and alert sounds.

SOUNDER / BEACON

- Flexible modular design
- Built in short circuit loop isolation
- Fits Loop power modular for sounders , Beacon
- Easy to install
- Manual and auto addressing options

Note: Functionality is dependant on the control equipment.

TECHNICAL INFORMATION



TECHNICAL SPECIFICATIONS

Power supply voltage range	18Vdc – 40Vdc
Activated current load: (High Vol. Inc. Sounder) (High Vol. Inc. Sounder Beacon)	 5-8 mA at 24 Vdc 11-25mA at 24 Vdc
Loop Protocol	Agni-viega
Operating Temperature (no icing)	-10°C to +70°C
Unit weight (inc back box)	52g
Max humidity (non condensing)	95% RH
Compatiable Devices	IND-WSM+LPM

AGNI VEIGA-RED IND-LPM **WALL SOUNDER + LOOP MODULE** **IND-WSM+LPM**

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