

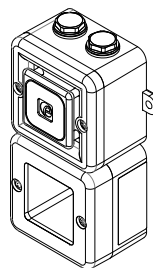
INSTRUCTION & SERVICE MANUAL

SONFL1X-HO Range - High Output Alarm Horn & Xenon Strobe Beacon

SONFL1X-HO Combined Sounder & Xenon Beacon

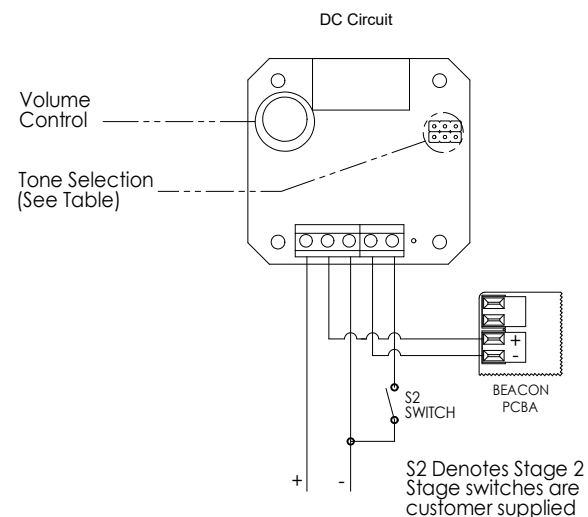
10 Selectable Tones & 2 Stages
 5J Xenon Flash Tube
 Three Modes: Flashing 1Hz (AC & DC)
 Flashing 1.5Hz and Double Strike (DC Units Only)
 1Hz Flashing mode CPR / VdS approved
 24Vdc version CPR / VdS approved
 CE, EAC Approved
 IP Rating: IP66

Dimensions: 172 x 86 x 83mm
 Cable Entry: 2-off M20 x 1.5mm
 Temp: -40°C to +55°C
 Unit weight: 0.46Kg



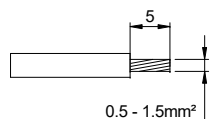
SONFL1X-HO

See D242-06-501 - Schematic Wiring

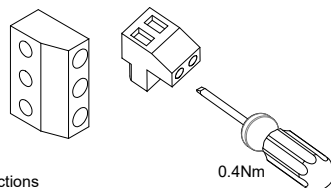


Model No.	Nominal Voltage	Voltage Range	Horn Nom. Current	Beacon Nom. Current	Sound Pressure Level dB(A)	
					Max	Nominal
SONFL1XDC012...[X][Y]-H	12V dc	10-14V dc	50mA	500mA	105.0 @ 1m	103.0 @ 1m
SONFL1XDC024...[X][Y]-H	24V dc	20-28V dc	80mA*	250mA	96.0 @ 3m	94.0 @ 3m

*Current at nominal voltage on Tone 2
 [X] Denotes Housing Colour: R = Red; G = Grey; W = White
 [Y] Denotes Lens Colour: A = Amber; B = Blue; C = Clear; G = Green; M = Magenta; R = Red; Y = Yellow
 Note: CPR Approved Units only available with Clear Lens



Use suitable conduit or cable glands with suitable IP or type rating



Terminal Connections

0.4Nm

Attention: Installation must be carried out by an electrician in compliance with the latest codes and regulations.
 Attention: L'installation doit être effectuée par un électricien conformément aux derniers codes et réglementations.
 Achtung: Die Installation muss von einem Elektriker gemäß den neuesten Vorschriften und Bestimmungen durchgeführt werden.
 Attenzione: L'installazione deve essere eseguita da un elettricista in conformità con i codici e le normative più recenti.
 Atención: La instalación debe ser realizada por un electricista de acuerdo con los últimos códigos y regulaciones.
 Atençaõ: A instalaçaõ deve ser realizada por um electricista de acordo com os códigos e regulamentos mais recentes.
 Внимание: установка должна выполняться электриком в соответствии с последними нормами и правилами.



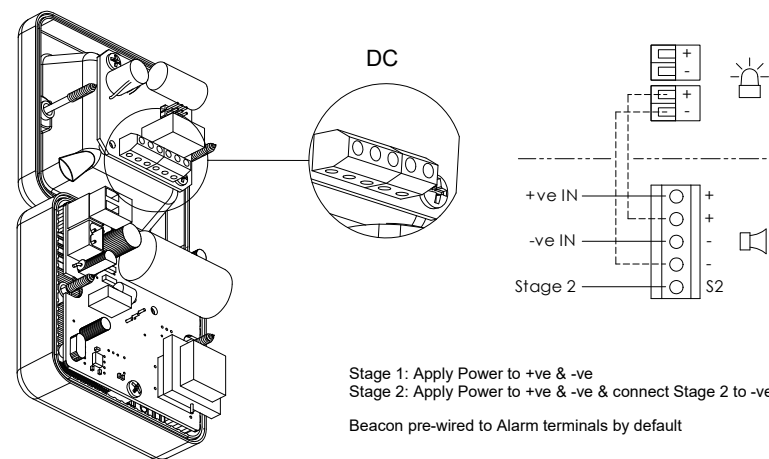
Attention: Disconnect from power source before installation or service to prevent electric shock
 Attention: Débranchez-le de la source d'alimentation avant l'installation ou l'entretien pour éviter tout choc électrique.

Achtung: Vor Installation oder Wartung von der Stromquelle trennen, um einen Stromschlag zu vermeiden.
 Attenzione: scollegare dall'alimentazione prima dell'installazione o dell'assistenza per evitare scosse elettriche.
 Atención: desconéctelo de la fuente de alimentación antes de la instalación o el servicio para evitar descargas eléctricas.
 Atençaõ: Desconecte da fonte de alimentação antes da instalação ou serviço para evitar choque elétrico



Внимание: отключите от источника питания перед установкой или обслуживанием, чтобы предотвратить поражение электрическим током.

No liability is accepted for any consequences of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions/weights are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.

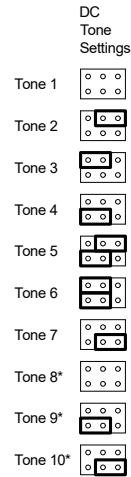


Note: Stage 2 is not VdS Approved

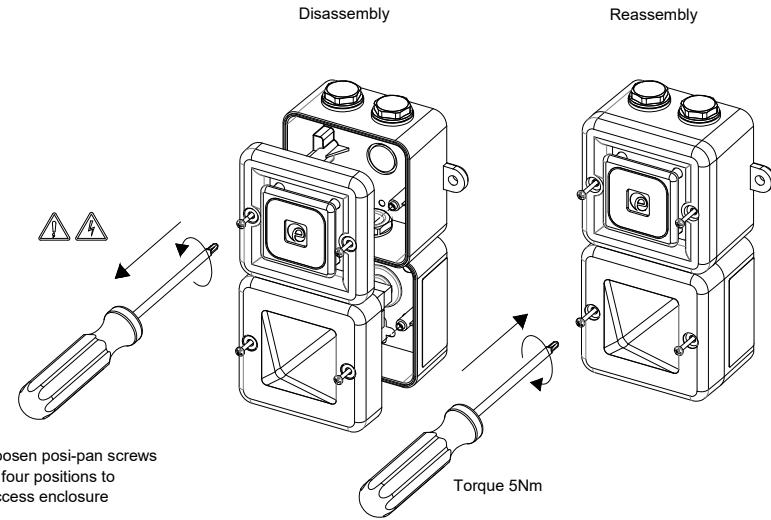
12V DC and 24V DC Tone Table

Stage 1	Tone Description	SONF1 dB@1m		Stage 2
1	800/1000 Hz @ 0.25 sec Alternating BS5839 Alarm Tone	99dB(A) @1m		8
2	500/1200 Hz @ 0.3 Hz 0.5 sec Slow Whoop NEN 2575:2000	100dB(A) @1m		1
3	Sawtooth 1200/500 Hz @ 1 Hz - DIN / PFEER P.T.A.P	99dB(A) @1m		8
4	544Hz (100mS)/440 Hz (400mS) AFNOR NF S 32-001	97dB(A) @1m		9
5	Simulated Bell Sound	95dB(A) @1m		1
6	Sweeping 800/1000 Hz @ 7 Hz Sweeping	99dB(A) @1m		8
7	500-1200 Hz 3.75 sec / 0.25 sec Australian Evacuation	100dB(A) @1m		10
8	Continuous 1000 Hz - PFEER toxic gas	100dB(A) @1m		-
9	Continuous 554 Hz	97dB(A) @1m		-
10	420 Hz @ 0.625 sec Australian Alert	97dB(A) @1m		-

*To set tones 8, 9 & 10 as first stage on DC, connect terminal 'S2' to '-' terminal



Access to Enclosure



NOTE: Please check factory settings and ensure the correct alarm tone is selected for your country or application

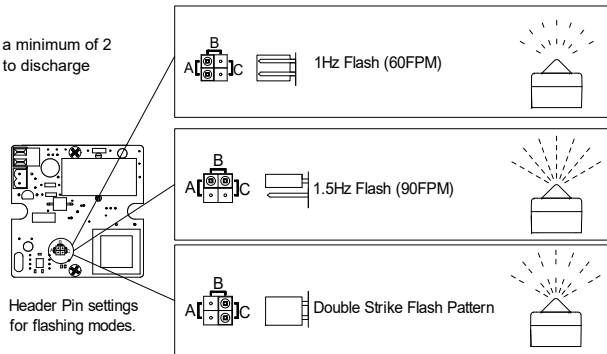
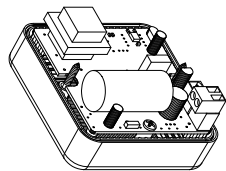
Tone Selection / Header Pin Setting - Header pin settings are shown in the tone selection table. The links covered by the jumper are shown with a black rectangle.

Only tones 1, 2, 3, 4, 8 & 9 (DC) have been tested to EN54-3 and are compliant with the Construction Products Regulation 305/2011.

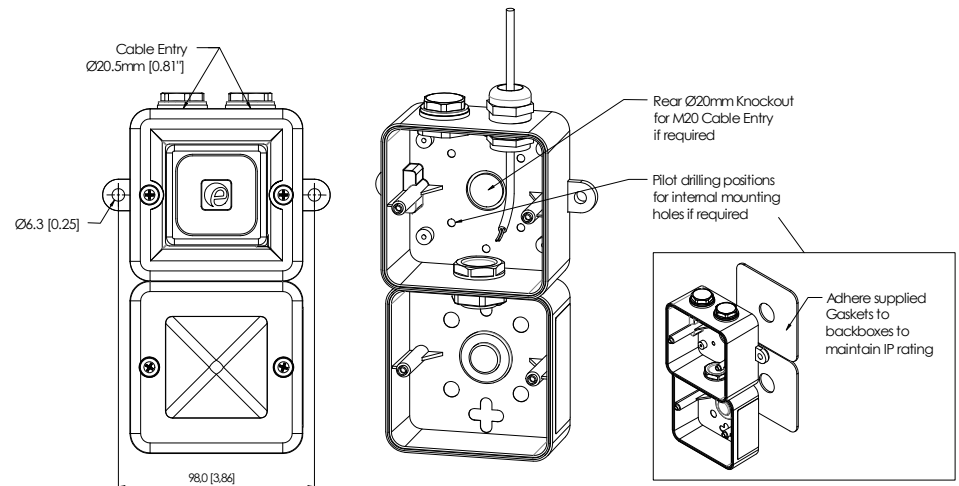
Beacon Flash Settings



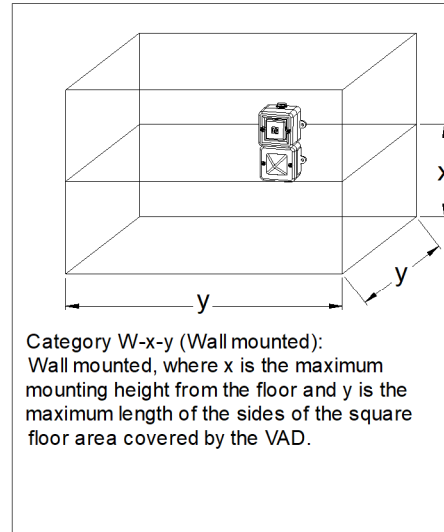
Attention: On strobe beacons allow a minimum of 2 minutes for hazardous high voltage to discharge from unit



Mounting See D242-05-501



SONFL1XDC024-H LIGHT OUTPUT



Note: CPR approved units must be positioned sounder on top, beacon below.

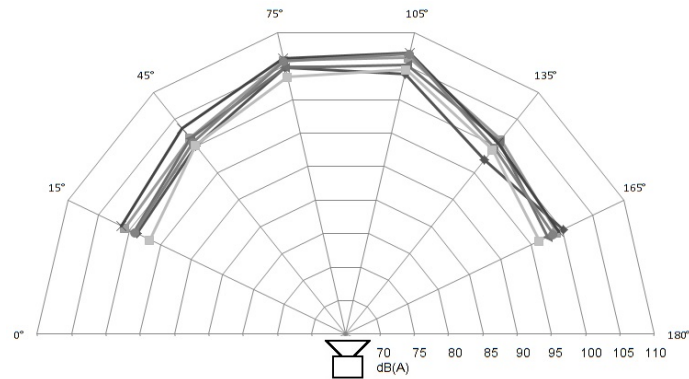
Coverage Area According to EN54-23
 (Only units in the following table are VdS Approved)

Unit	Category W	Power
SONFL1XDC024...[X]C-H	W-2.4-4.8	7W
	V=55.3m ³	

SONFL1XDC024-H SOUND PRESSURE LEVEL OUTPUT

(TESTING AT MINIMUM VOLTAGE OF 18V DC. ALL READINGS ARE IN dB(A) @ 1m)

SONFL1XDC024-H HORIZONTAL POLAR PLOT



SONFL1XDC024-H VERTICAL POLAR PLOT

