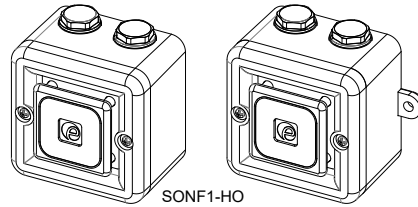
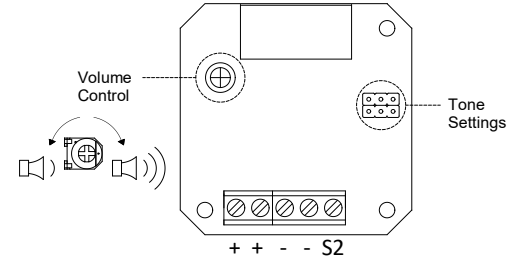


- IP66
- -40°C to +55°C (-40°F to +131°F)
- 0.30Kg (0.66lbs)
- CE, EAC Approved
- VdS Approved (24vdc Only)



SONF1-HO

PCBA See D242-06-001

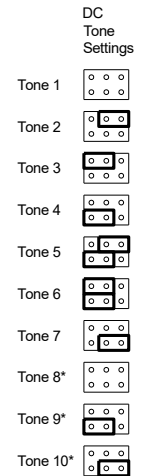


Model No.	Nominal Voltage	Voltage Range	Nominal Current	Sound Pressure Level dB(A)	
				Max	Nominal
SONF1DC012[X]...[Y]-H	12V dc	10-18V dc	50mA	105.0 @ 1m 96.0 @ 3m	103.0 @ 1m 94.0 @ 3m
SONF1DC024[X]...[Y]-H	24V dc	18-30V dc	80mA*		

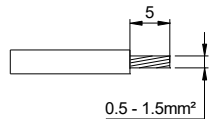
\*Current at nominal voltage on Tone 2  
[X] Denotes Backbox Type: S = Sonora; M = Multi (with Lugs)  
[Y] Denotes Housing Colour: R = Red; G = Grey; W = White

Tone Table

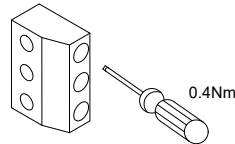
Stage 1	Tone Description	SONF1 dB@ 1m		Stage 2
1	800/1000 Hz @ 0.25 sec Alternating BS5839 Alarm Tone	99dB(A) @1m		8
2	500/1200 Hz @ 0.3 Hz 0.5 sec Slow Whoop NEN 2575:2000	100dB(A) @1m		1
3	Sawtooth 1200/500 Hz @ 1 Hz - DIN / PFEER P.T.A.P	99dB(A) @1m		8
4	544Hz (100mS)/440 Hz (400mS) AFNOR NF S 32-001	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



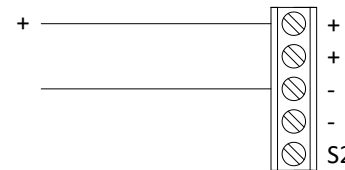
Use suitable conduit or cable glands with suitable IP or type rating



Terminal Connections

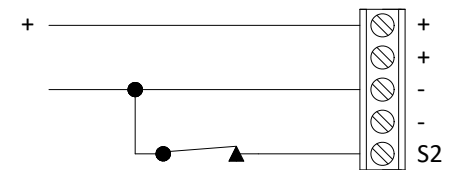
Attention: Installation must be carried out by an electrician in compliance with the latest codes and regulations.  
 Attention: L'installation doit être effectuée par un électricien conformément aux derniers codes et réglementations.  
 Achtung: Die Installation muss von einem Elektriker gemäß den neuesten 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.  
 Atenção: A instalação 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.  
 Atenção: 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.

DC Single Stage Operation



DC Two Stage Operation

Stage 1: Apply power +ve and -ve  
 Stage 2: Apply power +ve and -ve and connect S2 to -ve



Note: Stage 2 is not VdS Approved

VdS / CPR  
Tone Table

SONF1-HO 24vdc (18-30vdc) unit is CPR compliant  
EN54-3 Type B IP55

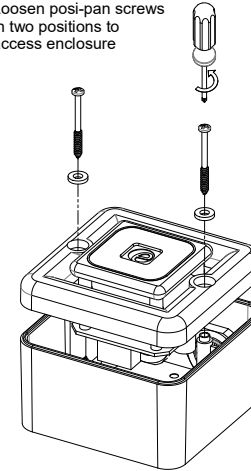
The tones listed below have been tested to EN54-3  
and are compliant with the Construction Products  
Regulation 305/2011.

EN54-3 test data: Document D0665

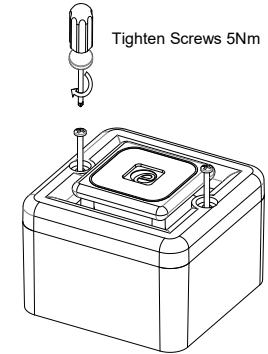
Stage 1	Tone Description	SONF1 dB@ 1m	
1	800/1000 Hz @ 0.25 sec Alternating BS5839 Alarm Tone	99dB(A) @1m	
2	500/1200 Hz @ 0.3 Hz 0.5 sec Slow Whoop NEN 2575:2000	100dB(A) @1m	
3	Sawtooth 1200/500 Hz @ 1 Hz - DIN / PFEER P.T.A.P	99dB(A) @1m	
4	544Hz (100mS)/440 Hz (400mS) AFNOR NF S 32-001	97dB(A) @1m	
8	Continuous 1000 Hz - PFEER toxic gas	100dB(A) @1m	
9	Continuous 554 Hz	97dB(A) @1m	

Access to Enclosure

Loosen posi-pan screws  
in two positions to  
access enclosure



Open



Tighten Screws 5Nm

Close

Mounting Positions

See D242-05-001

