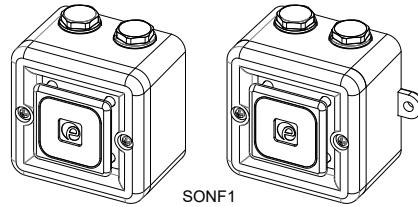




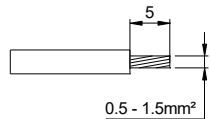
- Type 3R / 13, IP66
- -40°C to +55°C (-40°F to +131°F)
- 0.30Kg (0.66lbs)
- CE, UKCA, EAC & Russian Maritime Register Approved
- UL / cULus Approved for General Signalling
- VdS Approved (24vdc Only)
- MED Approved (24vdc Only)



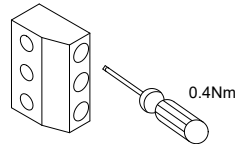
Note: MED Version not available with UL/ cULus Approval

Model No.	Nominal Voltage	Voltage Range	Nominal Current	Sound Pressure Level dB(A)	
				Max	Nominal
SONF1DC024[X]...[Y]	24V dc	10-30V dc	25mA*	100.0 @ 1m 91.0 @ 3m	99.0 @ 1m 90.0 @ 3m
SONF1AC024[X]...[Y]	24V ac 50/60Hz	+/- 10%	40mA		
SONF1AC115[X]...[Y]	115V ac 50/60Hz	+/- 10%	27mA		
SONF1AC230[X]...[Y]	230V ac 50/60Hz	+/- 10%	39mA		

*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



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



Terminal Connections

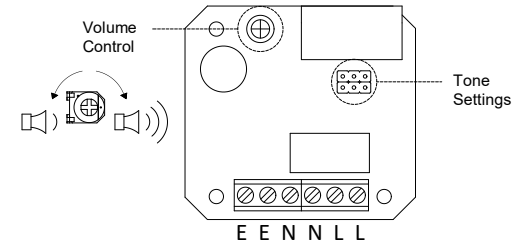


Attention: Installation must be carried out by an electrician in compliance with the latest codes and regulations.
 Attention: L'installation doit être effectuée par un électricien conformément aux derniers codes et réglementations.
 Achtung: Die Installation muss von einem Elektriker gemäß den neuesten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

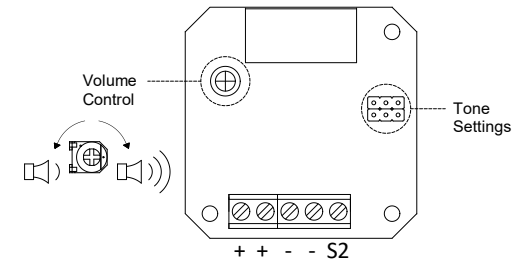


Attention: Débranchez-le de la source d'alimentation avant l'installation ou l'entretien pour éviter tout choc électrique.
 Achtung: Vor Installation oder Wartung von der Stromquelle trennen, um einen Stromschlag zu vermeiden.
 Attenzione: scollegare dall'alimentazione prima dell'installazione o dell'assistenza 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.

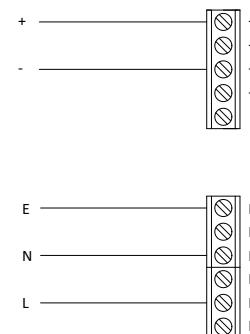
AC See D242-06-001



DC See D242-06-001

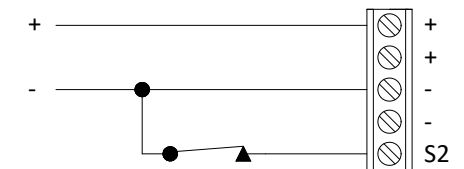


AC & DC Single Stage Operation



DC Two Stage Operation

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



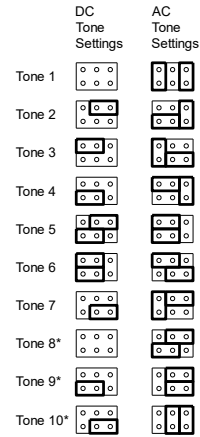
Note: Stage 2 is not VdS Approved

115V AC and 230V AC Tone Table

Stage 1	Tone Description		
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	
5	Continuous 1000 Hz - PFEER toxic gas	100dB(A) @1m	
6	Simulated Bell Sound	95dB(A) @1m	
7	800/1000 Hz @ 7 Hz Sweeping	99dB(A) @1m	
8	2400/2900 Hz 50 Hz Sweeping	100dB(A) @1m	
9	420 Hz @ 0.625 sec Australian Alert	97dB(A) @1m	
10	500-1200 Hz 3.75 sec / 0.25 sec Australian Evacuation	100dB(A) @1m	

24V DC Tone Table

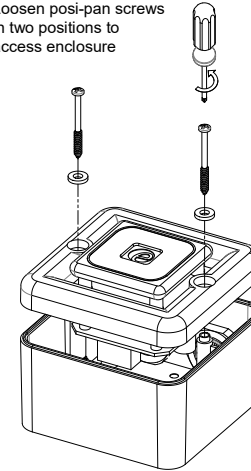
Stage 1	Tone Description	SONF1 dB@ 1m		Stage 2
1	800/1000 Hz @ 0.25 sec Alternating BS5839 Alarm Tone	99dB(A) @1m		8
2	500/1200 Hz @ 0.3 Hz 0.5 sec Slow Whoop NEN 2575:2000	100dB(A) @1m		1
3	Sawtooth 1200/500 Hz @ 1 Hz - DIN / PFEER P.T.A.P	99dB(A) @1m		8
4	544Hz (100mS)/440 Hz (400mS) AFNOR NF S 32-001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



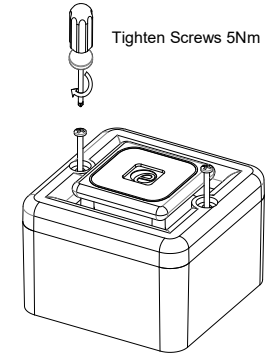
*To set tones 8, 9 & 10 as first stage on DC, connect terminal 'S2' to '-' terminal

Access to Enclosure

Loosen posi-pan screws in two positions to access enclosure



Open



Tighten Screws 5Nm

Close

VdS / CPR
Tone Table

SONF1 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	

Mounting Positions

See D242-05-001

