

**Explo**line



## dEV 21 Electronic Sounder

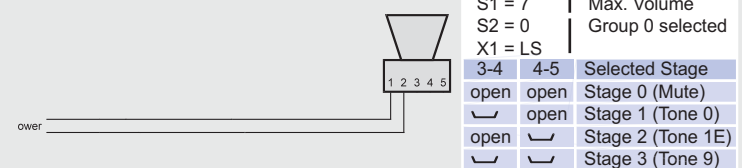
**For Hazardous and Corrosive Areas**

**UL Approved Nonincendive**

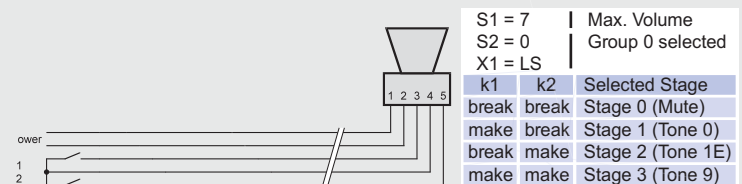
**Rated Class 1, Div. 2 Groups A,B,C & D**

FHF's new Exploline Electronic Sounder for Division 2 has been developed specifically for the corrosive and hazardous environments found in the process industries – for on-shore chemical and petrochemical plants, off-shore platforms, food processing and pharmaceutical plants. The sounder has been developed to withstand the temperature differences found outdoors, high humidity, exposure to sea water and dust, as well as heavy mechanical wear and tear.

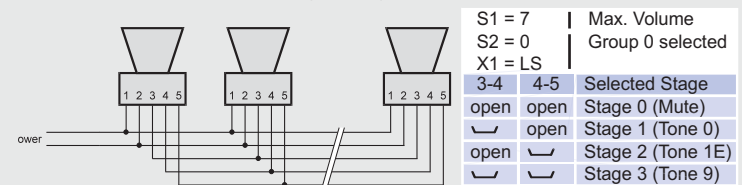
### Single sounder with a fixed signalling tone:



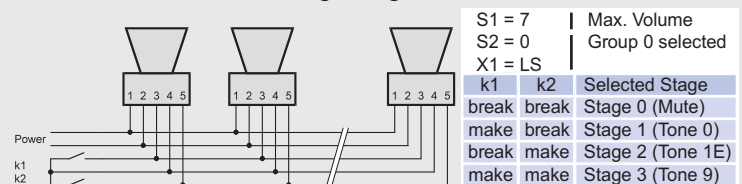
### Single sounder with variable signalling tone:



### Multi-sounder with a fixed signalling tone:



### Multi-sounder with variable signalling tone:



The Exploline has many features that offer the lowest cost of ownership in its class:

- Precision GRP (Glass Fiber Reinforced) housing includes the junction box with ½"NPT conduit entries and is resistant to acids, sea water, alkali, and moisture
- Weatherproof Type 4X / IP66 environmental ratings.
- Impact resistant ABS Speaker Horn
- Choice of 31 signaling tones and one user programmable tone
- 8 Volume levels up to max. 119 dB (A)
- Synchronization of tone control
- Fully encapsulated / sealed electronics provide unparalleled resistance to chemicals and moisture in harsh environments.
- 316 SS mounting bracket included.
- Captive terminal box screws prevents their loss during installation

# Exploine dEV21 Electronic Sounder Specifications

## General

Housing Material	GRP Glass Reinforced Polyester, molded in black
Horn Material	High Impact ABS
Bracket / Hardware	Stainless Steel
Dimensions	Approx. 13" long x 11" dia. horn
Weight	13 lb. (5.9 kg)
Conduit Connection	Side entry, ½" NPT, Integral junction box

## Environmental Conditions

Electrical Protection	UL Nonincendive, Class 1, Division 2 Groups A, B, C, D
Enclosure Protection	Weatherproof Type 4X, IP 66 acc. to EN 60529
Operating Temperature	-20°C to + 40°C
Storage Temperature	-25°C to + 70°C
Mounting	Mounting in any position, preferably where the horn is protected from the intrusion of dust or water

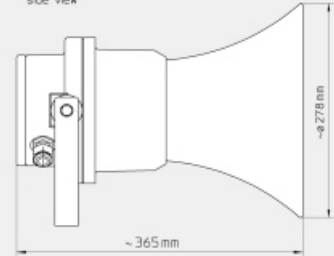
## Sounder Specifications

Sound Pressure Level	In 8 steps from 1W - Approx. 105 dB (A) at 1m to 15 W - approx. 119 dB (A) at 1m at approx. 1.5 kHz
Operating Voltage	AC Version: 85-265 VAC, 50-60 Hz DC Version: 21.6-75 VDC
Max. Current Consumption	100 mA @ 230 VAC 160 mA @ 120 VAC 165 mA @ 115 VAC 520 mA @ 24 VDC

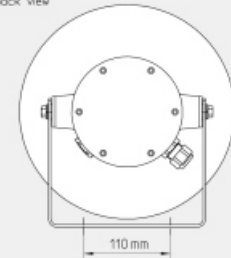
Vorderansicht  
front view



side view



back view



## Signaling Tone Options

	Parameter	Type	Standard	Timing diagram
Tone 0	1000Hz	Continuous	PFEER Toxic Gas	
Tone 1	800/1000Hz@ 0.25s	Alternating		
Tone 2	500/1200Hz@ 0.3Hz 0.5s	Slow Whoop		
Tone 3	800/1000Hz@ 1Hz	Sweeping		
Tone 4	2400/2900@ 7Hz	Sweeping		
Tone 5	2400/2900@ 1Hz	Sweeping		
Tone 6	500/1200Hz@ 0.3Hz	Sweeping		
Tone 7	1200/500Hz@ 1Hz	Sweeping	DIN/PFEER P.T.A.P	
Tone 8	2400/2900@ 2Hz	Alternating		
Tone 9	1000Hz@ 1Hz	Intermittent		
Tone A	800/1000Hz@ 0.875Hz	Alternating		
Tone B	544Hz(100ms)/440Hz(400ms)	Alternating	NFS-32-001	
Tone C	1400Hz(1s)/1600Hz(0.5s)	Sweeping	NFC48-265	
Tone D	660Hz@ 3.33Hz	Intermittent		
Tone E	660Hz(1.8s), 1.8s off	Intermittent		
Tone F	660Hz	Continuous		

Jumper in position LS of jumper field X1

	Parameter	Type	Standard	Timing diagram
Tone 10	2400Hz@ 1Hz	Intermittent		
Tone 11	800Hz(0.25s), 1s off	Intermittent		
Tone 12	800Hz	Continuous		
Tone 13	2400Hz	Continuous		
Tone 14	554/440Hz@ 1Hz	Alternating		
Tone 15	544Hz@ 0.875Hz	Intermittent		
Tone 16	800Hz@ 2Hz	Intermittent		
Tone 17	800/1000Hz@ 50Hz	Sweeping		
Tone 18	2400/2900Hz@ 50Hz	Sweeping		
Tone 19	Mute			
Tone 1A	554Hz	Continuous		
Tone 1B	440Hz	Continuous		
Tone 1C	800/1000Hz@ 7Hz	Sweeping		
Tone 1D	420Hz 1.6Hz	Intermittent	Australian Alert	
Tone 1E	1200/500Hz@ 1Hz	Sweeping	DIN / PFEER P.T.A.P	
Tone 1F	500/1200Hz@ 3.75s 0.25s	Slow Whoop	Australian Evac.	

Jumper in position US of jumper field X1

## Ordering Information

\*black housing with UL approvals

Type	Name	Operating voltage range V	Volume dB(A)	Part No.
dEV 21	Electronic Sounder	85-265 VAC	ca. 119 dB(A)	96 265 170*
dEV 21	Electronic Sounder	21,6-75 VDC	ca. 119 dB(A)	96 075 270*