

Hazardous Area Audible Signal - 100 dB (A) Series YA11



www.stahl.de



14821E00

- > Max sound output 100 dB (A) / 1 m
- > IP66, NEMA 4X rated as standard
- > Single stage alarm
- > 32 sound tones available meeting international regulations
- > Low profile (28 mm) light weight aluminium enclosure
- > 3 metre (118") 2 core pre wired cable fitted and prepared ready for installation
- > Panel sealing gasket and fixings provided
- > Low current consumption
- > High performance red paint finish as standard



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Yodalex range
Panel mount audible signal designed for use in hazardous or harsh environments

ATEX / IECEx						Class I (NEC 505) (NEC 506)						Class I Class II Class III								
Zone	0	1	2	20	21	22	Zone	0	1	2	20	21	22	Division	1	2	1	2	1	2
For use in			x			x	For use in			x			x	For use in	x		x	x	x	x

Approvals

Marking

IECEX Ex nA IIC T4 Gc Ex tc IIIC T90 °C Dc IP66 (-40 °C ≤ Ta ≤ +70 °C)
ATEX II 3GD Ex nA IIC T4 Gc Ex tc IIIC T90 °C Dc (-40 °C ≤ Ta ≤ +70 °C)

Certificates

IECEX IECEx BAS 11.0058X
Europe (ATEX) Baseefa 10 ATEX 0252X
Other approvals Canada (CUL and ULC), USA (UL), ship approval (Lloyds Register)

Distributed by:
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WebCode YA11A

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Selection Table

Version	Enclosure colour	Rated operational voltage	Order number	Art. no.	Weight
YA11 Sounder, standard devices	red standard (R)	18-32 V DC	YA11/1-D-...-RN	211439	1.700 kg

Note

customer must specify the required sound tone at the point of ordering
the sound tone cannot be changed by the customer
there are 32 tones available, please see the order number supplement below
for example if tone 18 is required please use the order number YA11/1-D-18-RN

Tone Table

Tone no.	Version	Frequency	Repetition rate (sec)	Special application
Tone 01	Alternate two-tone	800-1000	0.5	Fire alarms - Level crossing
Tone 02	Alternate two-tone	2500-3100	0.5	Security alarms
Tone 03	Alternate fast two-tone	800-1000	0.25	Increased urgency - Level crossing
Tone 04	Alternate fast two-tone	2500-3100	0.25	Security deterrent
Tone 05	Alternate two-tone	440-554	0.4/0.1	AFNOR, France
Tone 06	Alternate two-tone	430-470	1.0	
Tone 07	Alternate very fast two-tone	800-1000	0.13	
Tone 08	Alternate very fast two-tone	2500-3200	0.07	
Tone 09	Alternate two-tone	440-554	2.0	Turn out, Sweden
Tone 10	Continuous note	700		All-clear, Sweden
Tone 11	Continuous note	1000		
Tone 12	Continuous note	1000		
Tone 13	Continuous note	2300		
Tone 14	Continuous note	440		
Tone 15	Interrupted tone	1000	2.0	
Tone 16	Interrupted tone	420	1.25	AS2220, Australia
Tone 17	Interrupted tone	1000	0.5	
Tone 18	Interrupted tone	2500	0.25	
Tone 19	Interrupted tone	2500	0.5	
Tone 20	Interrupted tone	700	6/12	Pre-vital message, Sweden
Tone 21	Interrupted tone	1000	1.0	
Tone 22	Interrupted tone	700	4.0	Air-raid alarm, Sweden
Tone 23	Interrupted tone	700	0.25	Local warning, Sweden
Tone 24	Interrupted tone	720	0.7/0.3	Industrial alarm, Germany
Tone 25	Interrupted, fast, rising volume	1400	0.25	
Tone 26	Fast siren	250-1200	0.085	
Tone 27	Rising constant, fall	1000	10/40/10	Industrial alarm, Germany
Tone 28	ISO 8201 Evacuation	800-1000	As standard	International evacuation alarm
Tone 29	Fast whoop	500-1000	0.15	
Tone 30	Slow whoop	500-1200	4.5	Evacuation, The Netherlands
Tone 31	Reverse sweep	1200-500	1.0	Evacuation, Germany
Tone 32	Siren	500-1200	3.0	

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Technical Data

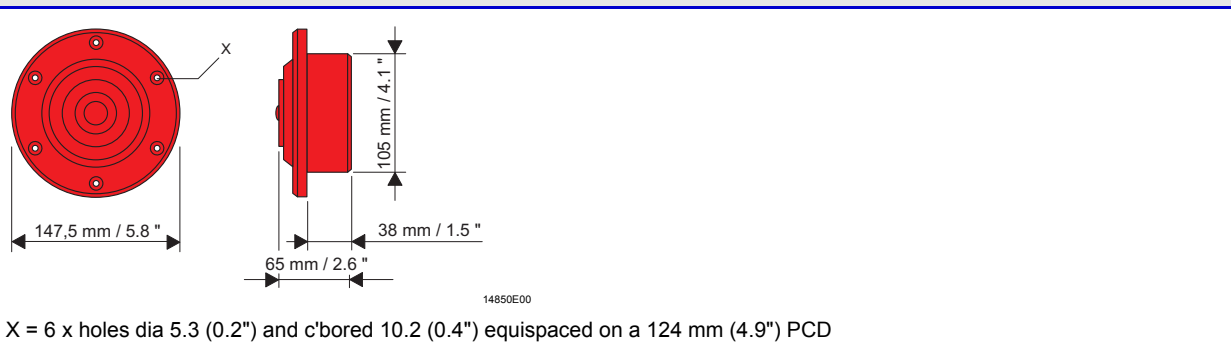
Electrical data	
Rated operational voltage	24 V DC (18–32 V DC)
Current consumption	70 mA
Acoustic data	
Volume	100 dB(A) / 1 m
Ambient conditions	
Operating temperature range	- 40 ... + 70 °C
Mechanical data	
Material	
Enclosure	aluminium / ABS
Assembly parts	stainless steel fixings and foam sealing gasket
Degree of protection	IP66, NEMA 4X
Assembly / Installation	
Assembly	3 metre (118") 2 core pre wired cable fitted and prepared ready for installation to ensure the integrity of seal between the sounder and panel is maintained, the neoprene sponge gasket should be fitted and a torque value of 2.2 to 2.6 Nm (19.5 to 23.0 lbs ins) applied to each screw and nut panel mount via 6 holes on 124 mm (4.9") PCD at 60° spacing Panel cut out 109 mm (4.3") panel sealing gasket supplied mounting hardware supplied screws are designed to fit a panel thickness of 4 mm max.

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Accessories and Spare Parts

Designation	Description	Art. no.	Weight
Replacement installation kit	gasket, screws, nuts, locking devices and washers	212184	kg 0.040

Dimensional Drawings (All Dimensions in mm / inches) - Subject to Alterations



We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.

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