



- Corrosion-resistant, GRP Ex d enclosure
- Max sound output 115 dB(A) @ 1 m
- 2 stage alarm, independently selectable 2nd stage
- Each with 32 selectable tones in accordance with international regulations
- Independent tone selection using a DIL switch for each pitch
- IP66 rated as standard
- Monitoring facility (DC voltages only)

E5

WebCode YA90A



Yodalex range  
Directional audible signal designed for use in hazardous or harsh environments.

	ATEX / IECEx					
Zone	0	1	2	20	21	22
Ex interface						
Installation in		•	•		•	•

	NEC 500					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface		•				
Installation in						

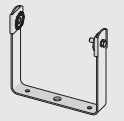
Selection Table						
Certificates ATEX (BAS), Brazil (ULB), China (CQST), IECEx (BAS), India (PESO), Korea (KGS)						
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Product Type	Art. No.	PS	Weight kg
115 – 115 V	–	0.08 A	YA90/C-L-EN-RN-ST-00-00-00	206770	80	4.500
230 – 230 V	–	0.045 A	YA90/C-N-EN-RN-ST-00-00-00	205214 ▲	80	4.500
–	24 – 24 V	0.3 A	YA90/C-D-EN-RN-ST-00-00-00	205209 ▲	80	4.500
Certificates Canada / USA (UL), India (PESO)						
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Product Type	Art. No.	PS	Weight kg
115 – 115 V	–	0.13 A	YA90/C-L-UL-RN-ST-00-00-00	205366 ▲	80	4.500
230 – 230 V	–	0.09 A	YA90/C-N-UL-RN-ST-00-00-00	212397 ▲	80	4.500
–	24 – 24 V	0.5 A	YA90/C-D-UL-RN-ST-00-00-00	205365	80	4.500
Certificates EAC (TehnoP), India (PESO), Russian Federation (TPB SER)						
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Product Type	Art. No.	PS	Weight kg
115 – 115 V	–	0.08 A	YA90/C-L-RU-RN-ST-00-00-00	212399	80	4.500
230 – 230 V	–	0.045 A	YA90/C-N-RU-RN-ST-00-00-00	205217	80	4.500
–	24 – 24 V	0.3 A	YA90/C-D-RU-RN-ST-00-00-00	206661	80	4.500
Variations in gas group, voltage and certification are available Tag labels can be added, please contact your local sales office for more details						

Technical Data			
Variant	YA90/-.-EN	YA90/-.-RU	YA90/-.-UL
<b>Explosion Protection</b>			
Ambient temperature °C	-60 ... +60 °C	-60 ... +60 °C	-60 ... +66 °C
Gas explosion protection IECEx	Ex d IIC T6 Gb	Ex d IIC T6 Gb	
Gas explosion protection ATEX	⊕ II 2 G Ex d IIC T6 Gb	⊕ II 2 G Ex d IIC T6 Gb	
Gas explosion protection EAC		1 Ex d IIC T6 Gb X	
Dust explosion protection IECEx	Ex tb IIIC TT85 °C Db	Ex tb IIIC TT85 °C Db	
Dust explosion protection ATEX	⊕ II 2 D Ex tb IIIC TT85 °C Db	⊕ II 2 D Ex tb IIIC TT85 °C Db	
Dust explosion protection EAC		Ex tb IIIC T85 °C Db X	
<b>Electrical Data</b>			
Tolerance	-10 – 10 %	-10 – 10 %	-10 – 10 %
<b>Acoustic Data</b>			
Sound pressure level	max. 115 dB(A) @ 1 m	max. 115 dB(A) @ 1 m	max. 115 dB(A) @ 1 m
Tone selection	Via DIL switch	Via DIL switch	Via DIL switch
Pitch	2	2	2
<b>Mechanical Data</b>			
Degree of protection IP (IEC 60529)	IP66	IP66	IP66
Enclosure material	Polyester (GRP), Glass fibre reinforced	Polyester (GRP), Glass fibre reinforced	Polyester (GRP), Glass fibre reinforced
Material mounting parts	1.4404 stainless steel	1.4404 stainless steel	1.4404 stainless steel
Trumpet material	ABS, flame retardant	ABS, flame retardant	ABS, flame retardant
Enclosure colour	Red (RAL 3001)	Red (RAL 3001)	Red (RAL 3001)
<b>Mounting / Installation</b>			
Connection type	Screw terminal	Screw terminal	Screw terminal
<b>Components</b>			
Drilled holes	2 x M20	2 x M20	2 x M20
Screw connections	Can be ordered as accessories	Can be ordered as accessories	Can be ordered as accessories
Stopping plug	1 x M20 x 1.5 1 x dust cap	1 x M20 x 1.5 1 x dust cap	2x1/2"NPT adaptor M20x1/2"NPT
Stopping plug material	Brass	Brass	Brass

You can find more technical data online at [r-stahl.com](http://r-stahl.com). WebCode YA90A

Accessories and Spare Parts			
Figure	Description	Art. No.	Weight kg
<b>Cable glands made of metal</b>			
	Ex d & Ex e cable gland for all types of unarmoured and braid armour cables (nickel plated brass)	243464	0.070
	Ex d & Ex e Compound barrier cable gland for all types of armoured cables (SWA, braided, tape) (nickel plated brass)	109428	0.240
	RapidEx liquid pour sealing system Cable entry with compound CMP-20PX2K-REX KLE MsNi M20 for reinforced conductors	246649	0.240
	Ex d & Ex e Compound barrier cable gland for all types of unarmoured and braid armour cables (nickel plated brass)	109441	0.200
	RapidEx liquid pour sealing system Cable entry with compound CMP-20PXSS2K-REX KLE MsNi M20	246605	0.200
	Ex d & Ex e cable gland for all types of armoured cables (SWA, braided, tape) (nickel plated brass) with unique compensating displacement seal system (CDS)	246561	0.280

## Accessories and Spare Parts

Figure	Description	Art. No.	Weight kg
Mounting bracket			
	U-bracket 1.4404	224587	0.450

Stainless steel mounting bracket provided. Holes to suit M6, pitch 60 mm.

## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

