



- Horn: Directional/max. 115 dB(A)
- Type of protection: Ex d
- Class: IP 66 (IEC 60529)
- Corrosion-resistant GRP enclosure
- Mounting bracket included
- 32 standardised preconfigured signal sounds (PFEER/UKOOA compatible)
- 2 individual signal sounds can be chosen
- Telephone system connection optionally available to order
- Line monitoring optional

E5

WebCode **YA90A**



**Product series YA90** is designed to provide directional, audible signals and is intended for use in hazardous areas or the harshest environments.



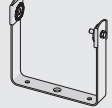
	IECEX / ATEX						NEC 500 CEC Appendix J					
	0	1	2	20	21	22	Class I		Class II		Class III	
<b>Zone</b>							1	2	1	2	1	2
<b>Installation in</b>		•	•		•	•		•				

Selection Table						
Rated operational voltage AC		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.	Weight kg
	115 V	–	0.08 A (T6)	YA90/C-L-EN-RN-ST-00-00	206770	4.500
	230 V	–	0.045 A (T6)	YA90/C-N-EN-RN-ST-00-00	205214 ▲	4.500
	–	24 V	0.3 A (T6)	YA90/C-D-EN-RN-ST-00-00	205209 ▲	4.500
Rated operational voltage AC		Canada / USA (UL)				
	Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Product Type	Art. No.	Weight kg
	115 V	–	0.13 A (T4)	YA90/C-L-UL-RN-ST-00-00	205366	4.500
	230 V	–	0.09 A (T4)	YA90/C-N-UL-RN-ST-00-00	212397	4.500
	–	24 V	0.5 A (T4)	YA90/C-D-UL-RN-ST-00-00	205365	4.500
Rated operational voltage AC		EAC (TehnoP), India (PESO), Russian Federation (TPB SER)				
	Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Product Type	Art. No.	Weight kg
	115 V	–	0.08 A (T6)	YA90/C-L-RU-RN-ST-00-00	212399	4.500
	230 V	–	0.045 A (T6)	YA90/C-N-RU-RN-ST-00-00	205217	4.500
	–	24 V	0.3 A (T6)	YA90/C-D-RU-RN-ST-00-00	206661	4.500

Differences regarding group, voltage and certification are possible.  
Tag labels can be added.  
Please contact your local sales office for further 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
IECEx gas explosion protection	Ex d IIC T6 Gb	Ex d IIC T6 Gb	
IECEx dust explosion protection	Ex tb IIIC T85 °C Db	Ex tb IIIC T85 °C Db	
ATEX gas explosion protection	⊕ II 2 G Ex d IIC T6 Gb	⊕ II 2 G Ex d IIC T6 Gb	
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T85 °C Db	⊕ II 2 D Ex tb IIIC T85 °C Db	
EAC gas explosion protection		⊕ 1 Ex d IIC T6 Gb X	
EAC dust explosion protection		⊕ Ex tb IIIC T85 °C Db X	
Marking cULus			Class I, Div. 2, Groups A,B,C,D
<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
Number of stages	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
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>			
Material mounting parts	1.4404 stainless steel	1.4404 stainless steel	1.4404 stainless steel
Connection type	Screw terminal	Screw terminal	Screw terminal
<b>Components</b>			
Drilled holes	2 x M20	2 x M20	2 x M20
Cable entries	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	1 x 1/2" NPT 1 x dust cap 2 x adapters 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			
Figure	Description	Art. No.	Weight kg
<b>Cable glands made of metal</b>			
	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
<b>Mounting bracket</b>			
	U-bracket, stainless steel (available for YA90)	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

