

Explosion Proof Audible Signal - 110 dB (A) Series YA60



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- > Omnidirectional high output sounder 110 dB (A) / 1 m
- > 2 stage alarm, independently selectable 2nd stage
- > IP66 rated as standard
- > Aluminium enclosure with stainless steel fasteners
- > 32 selectable tones meeting international regulations
- > Sound selection via DIL switch
- > Lens guard and mounting bracket supplied as standard
- > Telephone initiate option available



14718E00

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

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

Explosion Protection

Marking

IECEX

Gas explosion protection

IIB version: Ex d IIB T4 (Ta -35°C to +60°C)

Dust explosion protection

IIB+H₂ version: Ex d IIB+H₂ T4 (Ta -20°C to +60°C)

IIB version: Ex tD A21 IP66 T135°C (Ta -35°C to +60°C)

IIB+H₂ version: Ex tD A21 IP66 T135°C (Ta -35°C to +60°C)

Europe (ATEX)

Europe (ATEX)

IIB version: Ex II 2 GD Ex d IIB T4 (T6 on request)

IIB+H₂ version: Ex II 2 GD Ex d IIB+H₂ T4 (T6 on request)

Certificates

IECEX

IIB version: IECEX BAS 05.0086 X

IIB+H₂ version: IECEX BAS 05.0087X

Europe (ATEX)

IIB version: Baseefa 02ATEX0212X

IIB+H₂ version: Baseefa 02ATEX0222X

Other approvals

Canada (CUL), Russia (GOST-R), USA (UL), Brazil (INMETRO)

WebCode YA60A

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Selection Table

Version	Group	Rated operational voltage	Order number	Art. no.	Weight
YA60 Sounder, ATEX certification, standard devices	IIB + H ₂	24 V DC	YA60/C/D/EU	205191	5.400
		115 V AC	YA60/C/L/EU	205199	5.400
		230 V AC	YA60/C/N/EU	205200	5.400
YA60 Sounder, UL certification, standard devices	IIB + H ₂	24 V DC	YA60/B/D/UL	205202	5.400
		115 V AC	YA60/B/L/UL	205204	5.400
		230 V AC	YA60/B/N/UL	207054	5.400
YA60 Sounder, IECEx certification, standard devices	IIB + H ₂	24 V DC	YA60/C/D/IN	205197	5.400
		115 V AC	YA60/C/L/IN	212393	5.400
		230 V AC	YA60/C/N/IN	212394	5.400
YA60 Sounder, GOST R certification, standard devices	IIB + H ₂	24 V DC	YA60/C/D/RU	205198	5.400
		115 V AC	YA60/C/L/RU	212395	5.400
		230 V AC	YA60/C/N/RU	212396	5.400

Note Variations in gas group and voltage are available, please use the table below to order

Selection Table

Version	Variations	Order Number
YA60 Sounder, devices acc. to specification	Type code: please fill in fields	YA60 / - / - / - / -
	Gas group	
	EU, IN and RU units IIB	B
	IIB + H ₂	C
	UL units C, D gas groups	C
	B gas groups	B
	Rated Operational Voltage	
	24 V DC	D
	48 V DC	F
	115 V AC	L
	230 V AC	N
	Certification	
	ATEX	EU
	UL	UL
	IECEX	IN
	GOST-R	RU
	Additions	
	activation telephone initiate	TI
	AC voltages only	

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Technical Data

Acoustic data

Volume	110 db (A) / 1 m
Sound selection	via DIL-switch

Ambient conditions

Ambient temperature	version			
	IIB	Europe	T4	- 35 ... + 60 °C
			T6	- 35 ... + 40 °C
	IIB + H ₂	Europe	T4	- 20 ... + 60 °C
T6			- 20 ... + 40 °C	

Mechanical data

Material	aluminium, seawater resistant
Enclosure	ABS, flame retardant
Horn	stainless steel
Assembly parts	stainless steel
Degree of protection	IP66, 4X
Cable entries	2 cable entries, equipped with stopping plug (1x) and dust cap (1x) UL devices: equipped with M20 / 1/2" adapters (2x)

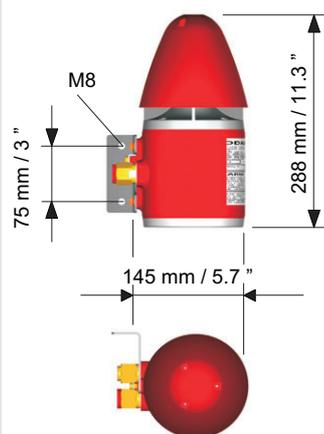
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Accessories and Spare Parts

Designation	Illustration	Description	Group	Order number	Art. no.	WebCode
Cable gland		Compound Barrier Cable Glands Ex d and Ex e for all Types of Unarmoured Cables	IIB + H ₂ and IIC	8163/2-20-PXSS2K-M20	138888	8163J
		Compound Barrier Cable Glands Ex d and Ex e for all Types of Armoured Cables	IIB + H ₂ and IIC	8163/2-20-PX2K-M20	138875	8163I
		Cable Glands Ex d and Ex e for Unarmoured Cables	IIB	8163/2-20-A2F-M20	138772	8163A
		Triton CDS Cable Glands Ex d and Ex e for all Types of Armoured Cables	IIB	8163/2-20-T3CDS-M20	138902	8163K

Note Approvals of cable entries have to be observed.

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



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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.