

Audible and Visual Alarms

Series FL60, YA60, YL60



- > Audible and visual alarms
 - Sounder
 - Strobe
 - Sounder/Strobe combination
- > Omnidirectional high output sounder, max. 110 db(A) / 1 m
- > 32 selectable tones
- > Seawater resistant aluminium enclosure with polycarbonate globe
- > Polycarbonate globe available in seven different colours
- > Lens guard provided as standard
- > Optional with integrated telephone relay



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13968E00

ATEX							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		x	x	For use in		x	x		x	x	For use in		x	x	x	x	x

Explosion Protection

Marking

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

Europe (ATEX)

IIB version:

Baseefa 02ATEX0212X

IIB+H₂ version:

Baseefa 02ATEX0222X

Versions



FL60 Strobe

13978E00



YA60 Sounder

13973E00



YL60 Sounder/Strobe combination

13977E00

WebCode FL60A

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Selection Table

Version	Group	Certification	Flash energy	Rated operational voltage	Lens colour	Order number	Weight
 13974E00 FL60 Strobe, standard devices	IIB + H ₂	Europe	5 Joule	24 V DC	amber	FL60/C/D50/A/EU	5.080
					blue	FL60/C/D50/B/EU	5.080
					red	FL60/C/D50/R/EU	5.080
					yellow	FL60/C/D50/Y/EU	5.080
			115 V AC	blue	FL60/C/L50/B/EU	5.080	
				green	FL60/C/L50/G/EU	5.080	
				red	FL60/C/L50/R/EU	5.080	
				24 V DC	amber	FL60/C/N50/A/EU	5.080
			blue	FL60/C/N50/B/EU	5.080		
			clear	FL60/C/N50/C/EU	5.080		
			red	FL60/C/N50/R/EU	5.080		
			230 V AC	yellow	FL60/C/N50/Y/EU	5.080	
			B	USA / Canada	5 Joule	24 V DC	amber
	clear	FL60/B/D50/C/UL					5.080
	red	FL60/B/D50/R/UL					5.080
	yellow	FL60/B/D50/Y/UL					5.080
	115 V AC	amber			FL60/B/L50/A/UL	5.080	
		blue			FL60/B/L50/B/UL	5.080	
		red			FL60/B/L50/R/UL	5.080	
		red			FL60/B/L50/R/UL	5.080	

Selection Table

Version	Type code: please fill in fields	Order Number
FL60 Strobe, devices acc. to specification	Gas group EU / RU / INT: IIB B EU / RU / INT: IIB+H₂ C UL: C, D C UL: B B Rated operational voltage 24 V DC D 48 V DC F 115 V AC L 230 V AC N Flash energy 5 Joule 50 10 Joule 100 20 Joule 200 Lens colour amber A blue B clear C green G opal O red R yellow Y Certification Europe (ATEX) EU USA / Canada UL Russia RU International (IECEX) IN Telephone initiate TI	FL60 / _ / _ / _ / _ / _

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Selection Table

Version	Group	Certification	Rated operational voltage	Order number	Weight kg
 13973E00 YA60 Sounder, standard devices	IIB	Europe	24 V DC	YA60/B/D/EU	5.400
			230 V AC	YA60/B/N/EU	5.400
	IIB + H ₂	Europe	24 V DC	YA60/C/D/EU	5.400
			115 V AC	YA60/C/L/EU	5.400
			230 V AC	YA60/C/N/EU	5.400
	C, D	USA / Canada	24 V DC	YA60/C/D/UL	5.400
	B	USA / Canada	24 V DC	YA60/B/D/UL	5.400
			115 V AC	YA60/B/L/UL	5.400

Selection Table

Version	Type code: please fill in fields		Order number						
YA60 Sounder, devices acc. to specification			YA60	/	/	/	/	/	-
Gas group									
	EU / RU / INT: IIB	B							
	EU / RU / INT: IIB+H2	C							
	UL: C, D	C							
	UL: B	B							
Rated operational voltage									
	24 V DC	D							
	115 V AC	L							
	230 V AC	N							
Certification									
	Europe (ATEX)	EU							
	USA / Canada	UL							
	Russia	RU							
	International (IECEX)	IN							
Telephone initiate									
		TI							

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Selection Table

Version	Group	Certification	Flash energy	Rated operational voltage	Lens colour	Order number	Weight
 YL60 Sounder/Strobe combination, standard devices	IIB + H ₂	Europe	5 Joule	24 V DC	amber	YL60/C/D50/A/EU	6.000
					blue	YL60/C/D50/B/EU	6.000
					clear	YL60/C/D50/C/EU	6.000
					green	YL60/C/D50/G/EU	6.000
					red	YL60/C/D50/R/EU	6.000
				115 V AC	amber	YL60/C/L50/A/EU	6.000
				115 V AC	blue	YL60/C/L50/B/EU	6.000
				115 V AC	green	YL60/C/L50/G/EU	6.000
				115 V AC	red	YL60/C/L50/R/EU	6.000
				230 V AC	amber	YL60/C/N50/A/EU	6.000
	C, D	USA / Canada	5 Joule	24 V DC	amber	YL60/C/D50/A/UL	6.000
					blue	YL60/C/D50/B/UL	6.000
					clear	YL60/C/D50/C/UL	6.000
					green	YL60/C/D50/G/UL	6.000
					red	YL60/C/D50/R/UL	6.000
				115 V AC	blue	YL60/B/L50/B/UL	6.000
					red	YL60/B/L50/R/UL	6.000

Selection Table

Version	Type code: please fill in fields	Order number
YL60 Sounder/Strobe combination, devices acc. to specification	YL60 / / / / /	
	Gas group	
	EU / RU / INT: IIB	B
	EU / RU / INT: IIB+H ₂	C
	UL: C, D	C
	UL: B	B
	rated operational voltage	
	24 V DC	D
	115 V AC	L
	Flash energy	
	5 Joule	50
	lens colour	
	amber	A
	blue	B
	clear	C
	green	G
	opal	O
	red	R
	yellow	Y
	Certification	
	Europe (ATEX)	EU
	USA / Canada	UL
	Russia	RU
	International (IECEx)	IN
	Telephone initiate	
		TI

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Technical data

Electrical data

Rated operating voltage		DC		AC	
		24 V	48 V	115 V	230 V
	YA60 Sounder	X		X	X
	FL60 Strobe	X	X	X	X
Current consumption	YL60 Sounder/Strobe combination	X		X	X
	YA60 Sounder	24 V DC		IECEX, ATEX, UL, GOST	
		115 V AC		IECEX, ATEX, UL, GOST	
		230 V AC		IECEX, ATEX, UL, GOST	
	FL60 Strobe	24 V DC		5 J	IECEX, ATEX, UL, GOST
				10 J	IECEX, ATEX, GOST
				20 J	IECEX, ATEX, GOST
		48 V DC		5 J	IECEX, ATEX, UL, GOST
				10 J	IECEX, ATEX, GOST
				20 J	IECEX, ATEX, GOST
		115 V AC		5 J	IECEX, ATEX, UL, GOST
				10 J	IECEX, ATEX, GOST
				20 J	IECEX, ATEX, GOST
		230 V AC		5 J	IECEX, ATEX, GOST
				10 J	IECEX, ATEX, GOST
				20 J	IECEX, ATEX, UL, GOST
	YL60 Sounder/Strobe combination	24 V DC		5 J	IECEX, ATEX, UL, GOST
		115 V AC		5 J	IECEX, ATEX, UL, GOST

Acoustic data

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

Luminous characteristics

Flash rate	1/s
Flash energy	5, 10 or 20 J
Lens colour	amber, blue, clear, green, red, opal, yellow

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	
Enclosure	aluminium, seawater resistant
Horn	ABS, flame retardant
Globe	polycarbonate
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)
Cable glands	Devices are supplied without cable glands, please order separately: see Chapter E10 "Installation Materials and Accessories".

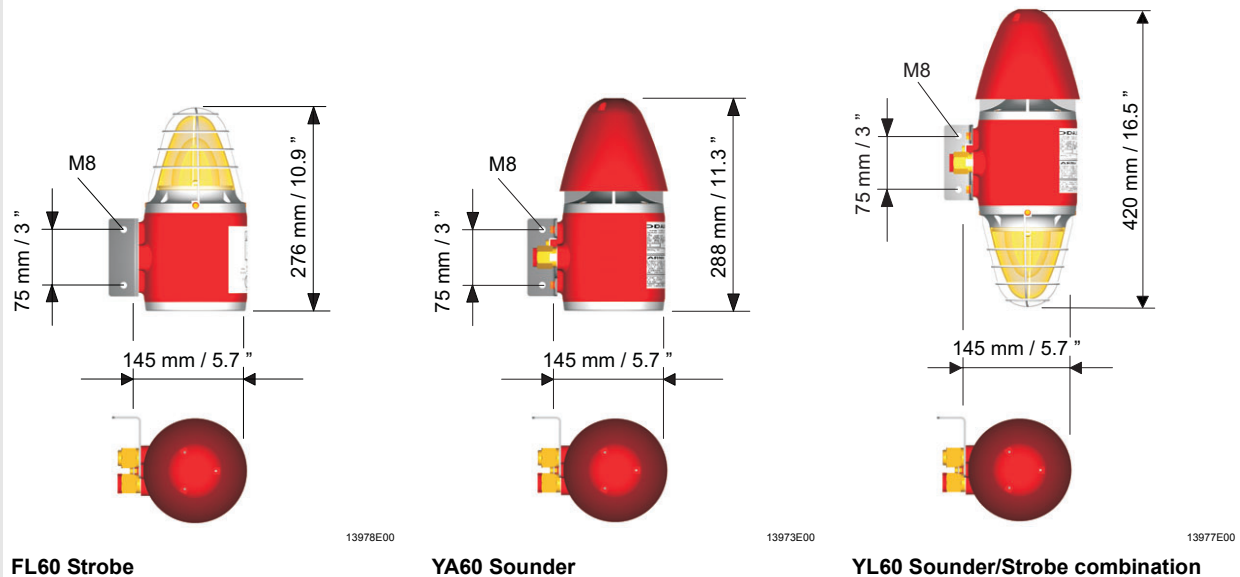
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Dimensional Drawings (All Dimensions in mm / inches) - Subject to Alterations



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