

Intrinsically Safe Combination Signal - 105 dB (A) / LED Beacon

Series YL5IS



www.stahl.de



- > Max sound output 105 dB (A) / 1 m
- > 8 LED array flashing beacon
- > 32 selectable tones meeting international regulations
- > Sound selection via DIL switch
- > Stainless steel fixings
- > Monitoring facility
- > Flame retardant ABS enclosure

05517E00



Yodalex range
Combination audible and visual signal designed for use in hazardous environments.

	ATEX					
Zone	0	1	2	20	21	22
For use in	x	x	x			

Explosion Protection

Marking

Europe (ATEX) II 1 G Ex ia IIC T4

Certificates

Europe (ATEX) Baseefa08ATEX0194X

WebCode YL5IS

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Selection Table

Version	Enclosure colour	Safety barrier	Temperature class	Lens colour	Order number	Art. no.	Weight		
YL5IS Sounder/Strobe, ATEX certification, standard devices	red flame (RF)	ISC	T4	amber	YL5/ISC/T4/A/RF	204795	1.090		
				red	YL5/ISC/T4/R/RF	204796	1.090		
				green	YL5/ISC/T4/G/RF	212415	1.090		
				opal	YL5/ISC/T4/O/RF	212416	1.090		
				blue	YL5/ISC/T4/B/RF	212417	1.090		
				clear	YL5/ISC/T4/C/RF	212418	1.090		
				amber	YL5/ISC/T4/A/RF	211539	1.090		
		red	YL5/ISC/T4/R/RF	211540	1.090				
		green	YL5/ISC/T4/G/RF	212419	1.090				
		opal	YL5/ISC/T4/O/RF	212420	1.090				
		blue	YL5/ISC/T4/B/RF	212421	1.090				
		clear	YL5/ISC/T4/C/RF	212422	1.090				
				ISD	T4	amber	YL5/ISD/T4/A/RF	211539	1.090
						red	YL5/ISD/T4/R/RF	211540	1.090
		green	YL5/ISD/T4/G/RF			212419	1.090		
		opal	YL5/ISD/T4/O/RF			212420	1.090		
		blue	YL5/ISD/T4/B/RF			212421	1.090		
		clear	YL5/ISD/T4/C/RF			212422	1.090		

Note
ISC - Standard device
ISD - Opto-couped second sound stage only

Technical Data

Electrical data

Rated operational voltage	12, 18 or 24 V DC Via ATEX approved safety barrier or galvanic isolator
Safety barrier	single channel: 9001/01-280-085-101 dual channel: 9002/11-280-186-001
Galvanic isolator	single channel: 9176/10-15-00s dual channel: 9176/20-15-00s

Schematic



Legend

- 2 = Volume control (T4 units only)
- 11 = Input power supply via ATEX approved barrier or galvanic isolator
- 13 = Dual in line sound selection switch
- 14 = Terminal blocks for incoming power supply
- 15 = ATEX approved barrier or galvanic isolator
- 16 = First strobe/beacon
- 20 = End of line resistor

Acoustic data

Sound selection via DIL-switch

Luminous Characteristics

Lens colour amber, red, green, opal, blue, clear

Ambient conditions

Ambient temperature - 25 ... + 40 °C
Max. relative humidity 95 % at 40 °C

Mechanical data




Material
Enclosure ABS, flame retardant
Assembly parts stainless steel
Degree of protection IP56

H1

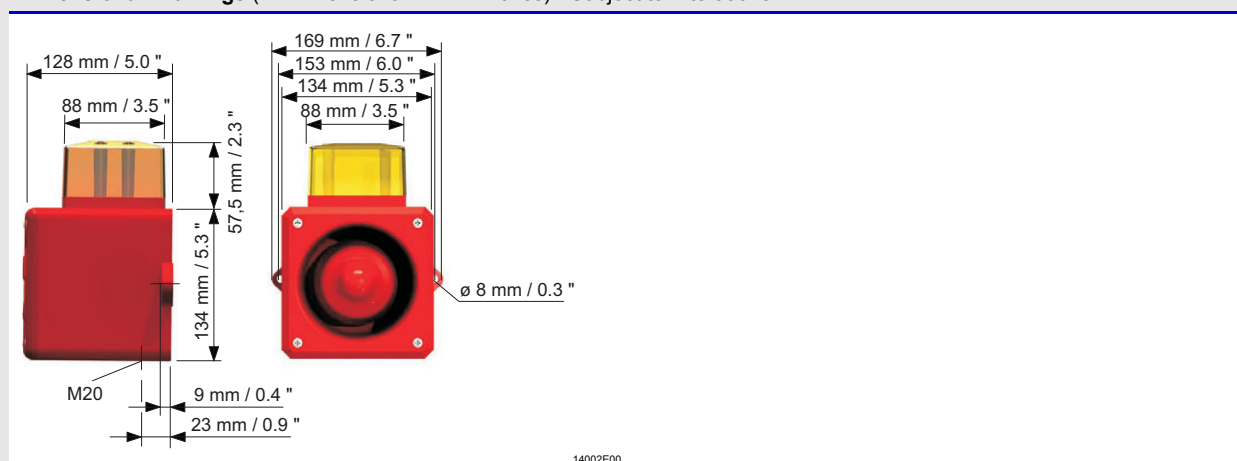
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Accessories and Spare Parts

Designation	Illustration	Description	Order number	Art. no.	WebCode
Safety barrier		single channel	9001/01-280-085-101	158351	9001A
		dual channel	9002/11-280-186-001	158848	9002A
Galvanic isolator		single channel	9176/10-15-00s	160472	9176A
		dual channel	9176/20-15-00s	165567	9176A
Cable gland		8161/6 Ex i (black with blue cap nut) 8161/6-M20-13 1 piece	8161/6-M20-13	138536	8161A

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.

Representante oficial de:



[Argentina – Uruguay – Paraguay – Bolivia – Ecuador.]



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