PATROL RADIAL SOUNDER/LED COMBI 105 dB(A)
PA L 1-R



- Selectable colour (RGB version only) - One device for all colours - keep your stock to a minimum!
- Selectable visual signaling modes - Flashlight / Blinking light / Continuous light / Rotating light.
- Selectable blink & flash frequencies - Fits all applications and increases visibility.
- Top mounted installation - Outstanding 360° perceptibility - ideal as a stand-alone solution on the top of the equipment or machine.
- Multi-voltage power supply - One fits all - for operation with different voltages.
- Selectable tones - Choice out of 70 tones in 32 tone combinations. 4 tones externally selectable.
- Reducible volume - Adjustment of the sound pressure level to the application.
- Excellent perceptibility - Meets the requirements of ISO7731.
- M12 connection (option) - Take advantage of the M12 connector.
- IO-Link (option) - intelligent parameterisation of signaling modes.

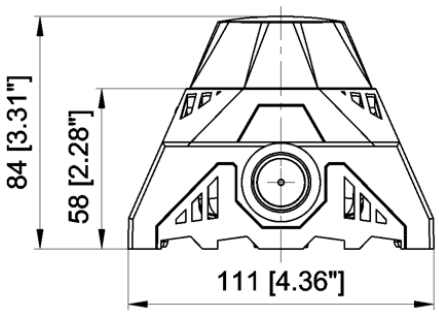
RGB	IP 66	IK07	+50 °C / –25 °C	10 Years		M12	UL		NEMA 4/4X	EAC	IO-Link
multi colour LED (option)	protection system	impact-proof housing	operating temperature	warranty	volume control	connector (option)	UL approval (pending)	radial acoustic	protection system	EurAsien conformity	(option)

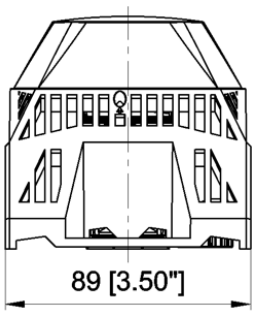
TOP MOUNTED. HORIZONTAL DIRECTION. DIN-TONE					
3D-COVERAGE PERFORMANCE DATA	PA L 1-R				
	VISUAL	Indicate	25.7 x 22.1 x 30.6 m	AUDIBLE	75 dB (A)	53 x 32 x 13 m
		Warn	11.4 x 9.8 x 13.6 m		80 dB (A)	30 x 18 x 8 m
		Alarm	5.7 x 4.9 x 6.8 m		85 dB (A)	17 x 10 x 4 m

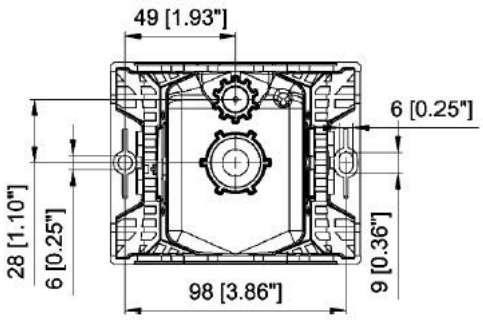
To determine the exact signalling area for your needs, please use the online available Pfannenberg Sizing Software PSS.

PRODUCT	PA L 1-R		
DATA			
Rated voltage	12-48 V DC	115 / 230 V AC	24 / 48 V AC
Operating range	10-60 V	95-253 V	18-53 V
	–	50 I 60 Hz	
Nominal current consumption @DIN-Ton	56 mA @ 24 V DC	19 mA @ 230 V AC	83 mA @ 24 V AC
Nominal current consump. Light (max.)	160 mA @ 24 V DC	45 mA @ 230 V AC	260 mA @ 24 V AC
Sound pressure level	105 dB(A)		
Sound pressure level @DIN-Ton	105 dB(A)		
Sound level reducion	-7 dB / -13 dB / -20 dB		
Alarm tones	70 / 4 ext. selectable		
Operating mode internally and externally selectable	Flashlight (1 Hz, 2 Hz, 1 Hz double flash), Blinking light (0,5 Hz, 1 Hz, 2 Hz), Continuous light, Rotating light (60 rpm, 180 rpm)		
Color mode internally and externally selectable (RGB only)			
Light source / intensity (clear)	LED / 16 cd		
Max. viewing distance	93m		
Operating temperature	-25 °C … +50 °C		
Storage temperature	-25 °C … +70 °C		
Degree of protection	IP66 (EN 60529), NEMA 4/4X, IK 07 (EN 50102)		
Material lens	polycarbonate (PC)		
Material housing	PC / ABS blend		
Cable entry	1x M20 knock-out, 1x 10mm knock-out		
Connecting terminals	0.14 – 1.5 mm² (single-wire)		
Weight	220 g		

DIMENSIONS







Drilling pattern

ORDERING DETAILS		PA L 1-R	
HOUSING COLOUR	LIGHT / LENS COLOUR	10-60 V DC / 18-53 V AC	95-253 V AC
●	●	23383633055	23383643055
●	●	23383634055	23383644055
●	●	23383635055	23383645055
●	● / ○	23383638055	23383648055
●	● / ○ IO-Link	23383808099 (21 - 27 V DC)	-

Article numbers for other colours and voltages on request.

OPTIONS/ACCESSORIES	
Replacement gasket	28912000001