

PELANGI

FOG SIGNALS

FS SERIES

Omni-directional Fog Signal, for 1/2 to 2 mile range applications.



FS1/1MEx – Single FS1 Emitter for 1 mile range applications

DIMENSIONS:

Height: 1800mm - FS3/2MEx
Mounting Base: 365 x 365mm
Fixing Holes: 4 holes, 18mm diameter
320mm x 320mm centres

FS series is an efficient compact fog signal suitable for use on platforms, large buoys, and in hazardous (Zone 1) areas.

- Choice of variants to suit range requirements of the station:
 - FS1/1MEx – 0.5 or 1 mile range depending upon output level selected.
 - FS3/2MEx – 2 mile range stacked unit using three of the same drivers.
- Durable lightweight aluminium casting, with anti-corrosive treatment and stainless steel diaphragms give excellent protection against the elements.
- Reliable driver with MTBF of over 10 years with no maintenance. Easy access for driver replacement .
- Simple mounting arrangement for bolting to any flat surface. Optional provision for Lantern mounting bracket on the top, saving space.
- Efficient sound transmission. Square wave oscillation helps to reduce reflective interference thus increasing performance.
- Integrated Control Circuit, with no separate controls required. Able to be programmed to sound morse 'U' or other IALA characters.
- Easily able to be controlled externally by an FD7100 Fog Detector or PELANET monitoring system.
- Baffles available for reducing sound emission by about 10dB over a 90° Angle, to reduce annoyance where people are located.

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TECHNICAL SPECIFICATION

Operating Temp:	-20 to 55°C
Number of emitters:	1 or 3
Emitter Type:	FS1
Driver Type:	DR780
Installation suitability:	Zone 1 and 2
Accreditation:	INERIS 02 ATEX 0073 EExd – IIB – T5 CE - 0080 - Ex II 2G
Power Supply:	24Vdc Standard (others available)
Power consumption:	84W (FS3/2MEx)
Sound output level:	135 dB @ 1 metre
Horizontal coverage:	360°
Frequency:	780Hz approx.
Protection level:	IP65
Finish:	Painted to RAL7000
Overall Weight:	180Kg (FS3/2MEx)



FS3/2MEx - 2 mile range Fog Signal.
3 stacked emitters



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