

# FH800EX-3

## Explosion proof foghorn

Explosion proof foghorn, designed to provide 2 nautical miles omnidirectional coverage. For man-made offshore structures and in line with IALA regulatory requirements. Can be supplied as a combined main/secondary (2 1/2 Nm) foghorn together with duplicated controls in the Navaid Central Control Panel (NCCP).



### KEY FEATURES

- Reliable marine foghorn, low cost of ownership
- Suitable for Zone 1 and Zone 2 areas with gas explosion hazard; ATEX & IECEx certified
- Operating voltage and code control provided from Navaid Central Control Panel (NCCP)
- Monitoring system integrated in Navaid Central Control Panel (NCCP)
- Offshore coated seawater resistant light alloy body
- Can be supplied as a main/secondary(2 1/2Nm) foghorn together with duplicated controls in the Navaid Central Control Panel (NCCP)
- Optional EX e connection box

### PERFORMANCE CHARACTERISTICS

- Morse code 'U' every 30 seconds from Navaid Central Control Panel (NCCP)
- Alternative codes available; e.g. USCG: 2 seconds blast every 20 seconds
- Alternative codes available; USCG 2 sec blast every 20 seconds (2 sec sound, 18 sec silence)
- Usual range main foghorn: 2.0NM (134dB(A) at 1 m)
- Horizontal sound output: 360°

### STANDARDS/CERTIFICATION

- Complies with IALA regulation; O-139 The marking of man-made offshore structures – September 2020; chapter 2, paragraph 2.1.2 – fog signal
- Complies with IALA guideline; G1162; The marking of man-made offshore structures – December 2021, chapter 2.1.2 – hazard warning signals (HWS)
- Complies with UK Department of Energy and Climate Change; Standard marking schedule for offshore installations – April 2011; chapter 4 – secondary fog signal
- Complies with Mining regulations of the Netherlands – January 2022, Article 5.2 – Fogsignal
- Complies with US Coast Guard; 33 C.F.R. Part 67 – Aids to navigation on artificial islands and fixed structures
- Cenelec EN 60079-0, EN 60079-1 and EN 60079-7
- KEMA 02ATEX2269 (foghorn); ATEX II 2G Ex eb IIC T6 Gb
- KEMA 02ATEX2103 X (junction box); ATEX II 2G Ex db IIB T6 Gb
- IEC 60079-0, IEC 60079-1 and IEC 60079-7
- IECEx DEK 11.0105 (foghorn); Ex eb IIC T6 Gb;
- IECEx KEM 09.0089X (junction box); Ex db IIB T6 Gb (optional Ex db eb)

- ABNT NBR IEC 60079-0, ABNT NBR IEC 60079-1 and ABNT NBR IEC 60079-7 (optional)
- Inmetro NCC 13.1778 (foghorn) (optional)
- Inmetro NCC 16.0160 X (junction box) (optional)

### ELECTRICAL CHARACTERISTICS

- Operating voltage: 190Vac; 860Hz from Navaid Central Control Panel (NCCP)
- Power consumption: 80 W peak max (Digital modular NCCP)
- Connection details: max. 4mm<sup>2</sup>; one M25x1.5 cable gland entry
- Earth connection: internal 4mm<sup>2</sup> and external M6

### PHYSICAL CHARACTERISTICS

- Dimensions (L x W x H): 678 x 464 x 1900mm
- Weight: 175kg
- Degree of protection: IP66
- Operating temperature range: -55°C to +55°C

### SYSTEM DESIGN, CONTROL AND MONITORING

- Control and monitoring via separate control panel (see separate product information sheet)

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