

BNWAS BW-800

Bridge Navigational Watch Alarm System



IEC 62616
&
IMO MSC.
128(75)

Deadlines for installation:

1 July 2011: New ships > 150 GT and all new passenger ships.

1 July 2012: Existing ships > 3.000 GT and all existing passenger ships.

1 July 2013: Existing ships > 500 GT.

1 July 2014: Existing ships > 150 GT.

New regulations from IMO's Maritime Safety Committee (MSC) will require carriage of a Bridge Navigational Watch Alarm System (BNWAS) complying with IMO performance standards.

Key features:

- + High quality and easy installation
- + Warranty: 24 months
- + Complies with the new performance standard IEC 62616 (DNV Type Approved)
- + For flush and wall mounting
- + Dual motion sensors with type approval
- + VDR NMEA data output built-in (no interface box needed)
- + Back-up officer selector unit
- + Emergency call facility
- + Automatic dimmer control

Environmental tested to comply with:

- LR** Lloyd's Register of Shipping
- BV** Bureau Veritas
- RINA** Registro Italiano Navale
- ABS** American Bureau of Shipping
- DNV** Det Norske Veritas
- GL** Germanischer Lloyd
- NKK** Nippon Kaiji Kyokai
- RS** Russian Maritime Register of Shipping
- CCS** China Classification Society
- KR** Korean Register of Shipping

Specifications BW-800

Complies with following standards:

IEC 62616 **new performance standard**
 IMO MSC. 128(75)

Timer interval:

3-12 min.

Mains power:

Mains supply (24 Vdc) must be secured against overcurrent with an external fuse max. 2 A

Battery back-up:

Battery back-up supply must be secured against overcurrent with an external fuse max. 2 A.
 Battery back-up must be able to supply BW-800 for a period of 6 hours (min. 6 Ah battery back-up)

Dimensions:

BW-800:
 Front: 160 mm x 100 mm
 Depth: 50 mm

801 Reset unit:
 Front: 60 mm x 60 mm

802 Alarm unit:
 Front: 60 mm x 120 mm

803 Selector unit:
 Front: 60 mm x 120 mm

Protection:

IP 22

Optional:



Foundation, small for Reset Unit 811

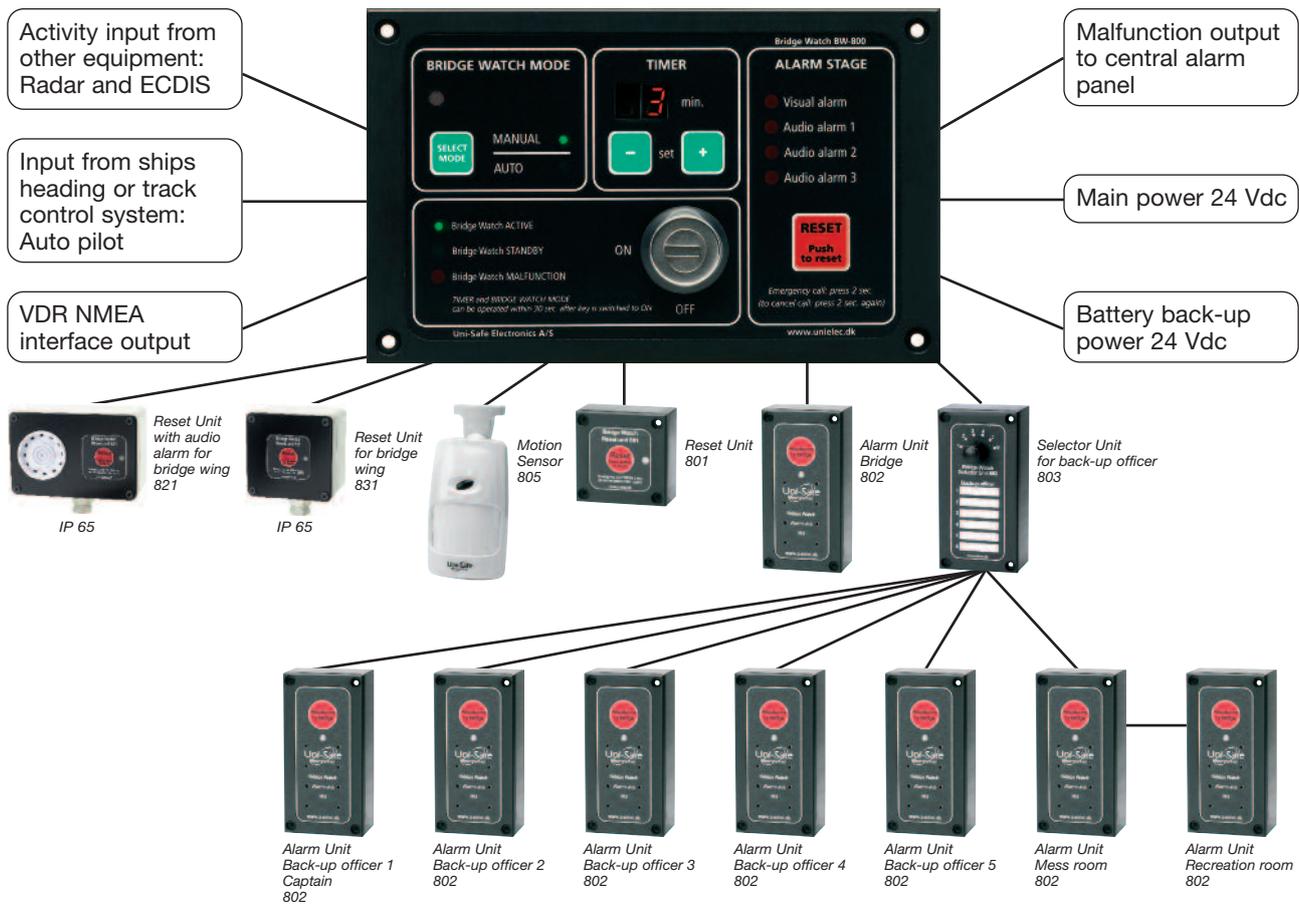


Foundation, large for Alarm Unit 812



BW-800 in wall mounting box 810 IP 65

The purpose of a bridge navigational watch alarm system (BNWAS) is to monitor bridge activity and detect operator disability which could lead to marine accidents. The system monitors the awareness of the Officer of the Watch (OOW) and automatically alerts the Captain or another qualified OOW if for any reason the OOW becomes incapable of performing the OOW's duties. This purpose is achieved by a series of indications and alarms to alert first the OOW and, if he is not responding, then to alert the Captain or another qualified OOW. Additionally, the BNWAS may provide the OOW with a means of calling for immediate assistance if required. The BNWAS should be operational whenever the ship's heading or track control system is engaged, unless inhibited by the Captain.



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