



BNWAS - Bridge Navigational Watch Alarm System

BNWAS is a mandatory safety system in amendments to SOLAS Chapter V Regulation 19 and adopted on 5th June 2009 by Resolution MSC.282(86).

As outlined in the performance standards MSC.128(75) - "The purpose of the 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 Master 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 Master 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 Master."

Navgard™

Navgard™ is a Bridge Navigational Watch Alarm System (BNWAS) specifically designed to comply with SOLAS Regulation V/19 as amended by MSC.282(86) requiring a BNWAS to be installed on all new and existing ships. The system also meets the requirements of the performance standards set out by MSC.128(75) & IEC 62616.

The Navgard™ system comprises of either a bulkhead-mounted or console mounted control panel with an onboard PIR (Passive Infra-Red) movement detector. The system is modular to accommodate any bridge size and layout with additional PIRs and/or manual resets both inside the bridge and weatherproof versions for the bridge wings.

For vessels under Lloyd's Register classification, the system is also available with just manual reset functionality rather than PIRs to meet with LR Type Approval requirements.

Features at a glance

Type approved by all major classification societies

Simplest BNWAS to install

Certified to IEC 62616:2010 Performance standards

Built-in central PIR detector with 10m range

On-board datalogging with RS-485 output to VDR



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Our team of qualified service engineers are available 24/7 for any of your ship repair requirements, including automation, electrical and instrumentation servicing, troubleshooting and repair.

OUR QUALITY MANAGEMENT SYSTEM IS CERTIFIED TO THE ISO 9001:2008 STANDARD BY LLOYD'S REGISTER QUALITY ASSURANCE