

Bridge Navigational Watch Alarm System

KW810 BNWAS



Mandatory

TYPE APPROVED

A **BNWAS** is a device which triggers an alarm if an Officer on Watch (OOW) becomes incapable of performing the OOW's duties.

IMO had adopted resolution MSC. 128 (75) on performance standards for a BNWAS.

Currently, there are two types of BNWAS, one requires the OOW to press a button to set interval (failure to do so triggers alarm), and the other detects movements of the OOW via motion sensor technology (as long as the sensor finds movements of the OOW the alarm will not go off).

The BNWAS should be operational whenever the ship's heading or track control system is engaged, unless inhibited by the Master.

INTRODUCTION

KW810 BNWAS is designed and made by AMI Marine conforming to the requirements of IMO resolution MSC.128 (75) Performance Standards.

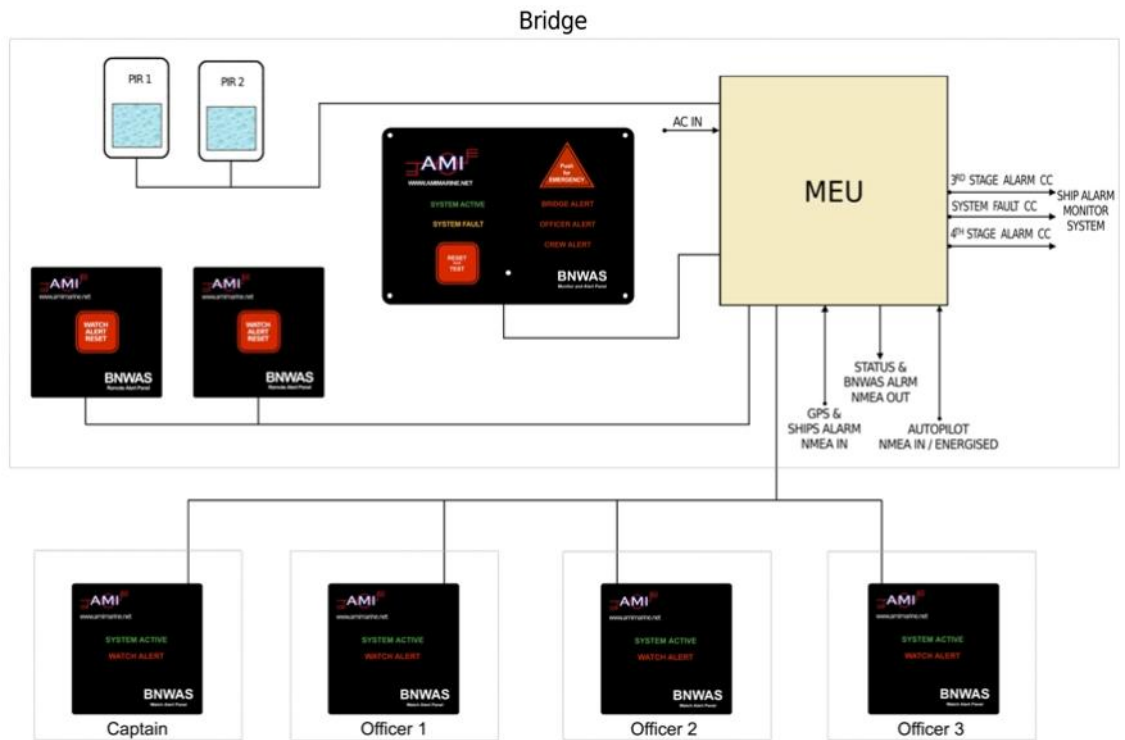
It automatically monitors bridge activity via motion sensor and alarms can go to different stages up to activate SSAS distress system.

FEATURES

- Simple design, sleek looks
- Touch screen
- No moving parts
- Easy installation
- Fully automated
- Expansion Options
- Competitive price
- Made in UK worldwide supported
- Type Approved

IMPLEMENTATION DEADLINES

- 1 July 2011 for all new builds of 150 gt or over - (keel lay base)
Ships constructed prior to 1 July 2011 will have to fit the BNWAS by the 1st survey after:
- 1 July 2012 for cargo ships of 3000 gt or over and all passenger ships.
- 1 July 2013 for cargo ships of 500 gt or over but less than 3000 gt.
- 1 July 2014 for cargo ships of between 150 gt or over but less than 500 gt.



SPECIFICATIONS OF KW810 BNWAS

KW810-MEU

Power : 110/230VAC

Input 1 : NMEA0183 GPS Speed \$GPVTG

Input 2 : NMEA0183 Autopilot or Autopilot Engaged

Output : NMEA0183 for VDR

Other Outputs :

3 x Dry Contacts for :

- 3rd Stage Active Watch Alarm for General Ship Alarm
- 4th Stage for activating SSAS Distress system
- System faults

Dimensions : Mild steel enclosure 300 x 300 x 155mm IP57

MAIN ALERT PANEL (MAP)

Power : 12VDC supplied from MEU

Input : All Alert stages and Audible Alarm

Dimensions : ABS Moulded plastic 135 x 185 x 85mm IP65.

REMOTE ALERT PANEL (RAP)

Power : 12VDC supplied from MEU

Input : Bridge Alert stages and Audible Alarm

Dimensions : ABS Moulded plastic 120 x 90 x 50mm IP65.

WATCH ALERT PANEL (WAP) FOR BOTH 2ND & 3RD STAGE ALERTS

Power : 12VDC supplied from MEU

Input : Watch Alert and Audible Alarm

Dimensions : ABS Moulded plastic 120 x 90 x 50mm IP65.

MOTION DETECTOR (PIR)

Power : 12 VDC supplied from MEU

Unacknowledged Alarm Transfer Unit - KW909FM (Option)

Can be added to KW810 BNWAS to extend the capability of handling the unacknowledged bridge alarms.

Input : 5 x NMEA 0183, ch1 dedicated to GPS

3 x Contact Closures

Output : NMEA 0183 data to MEU

Power : 10 to 32 v DC at 100 mA

EQUIPMENT LIST

Standard Supply

- Main Electronic Unit KW810 x 1
- Main Alert Panel KW810M x 1
- Remote Alert Panel KW810R x 1
- Watch Alert Panel KW810W x 1

Optional Supply

- Remote Alert Panel KW810R
- Watch Alert Panel KW810W
- Motion Detector KW810P
- Bridge Alarm Interface KW909FM



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