

Totem **BNWAS**

Bridge Navigational Watch Alarm System

Totem BNWAS monitors bridge activity and raises alarm if the Officer On Watch (OOW) becomes incapable of performing the OOW's duties. The system complies with MSC.128 (75) and IEC62616 Ed. 1.



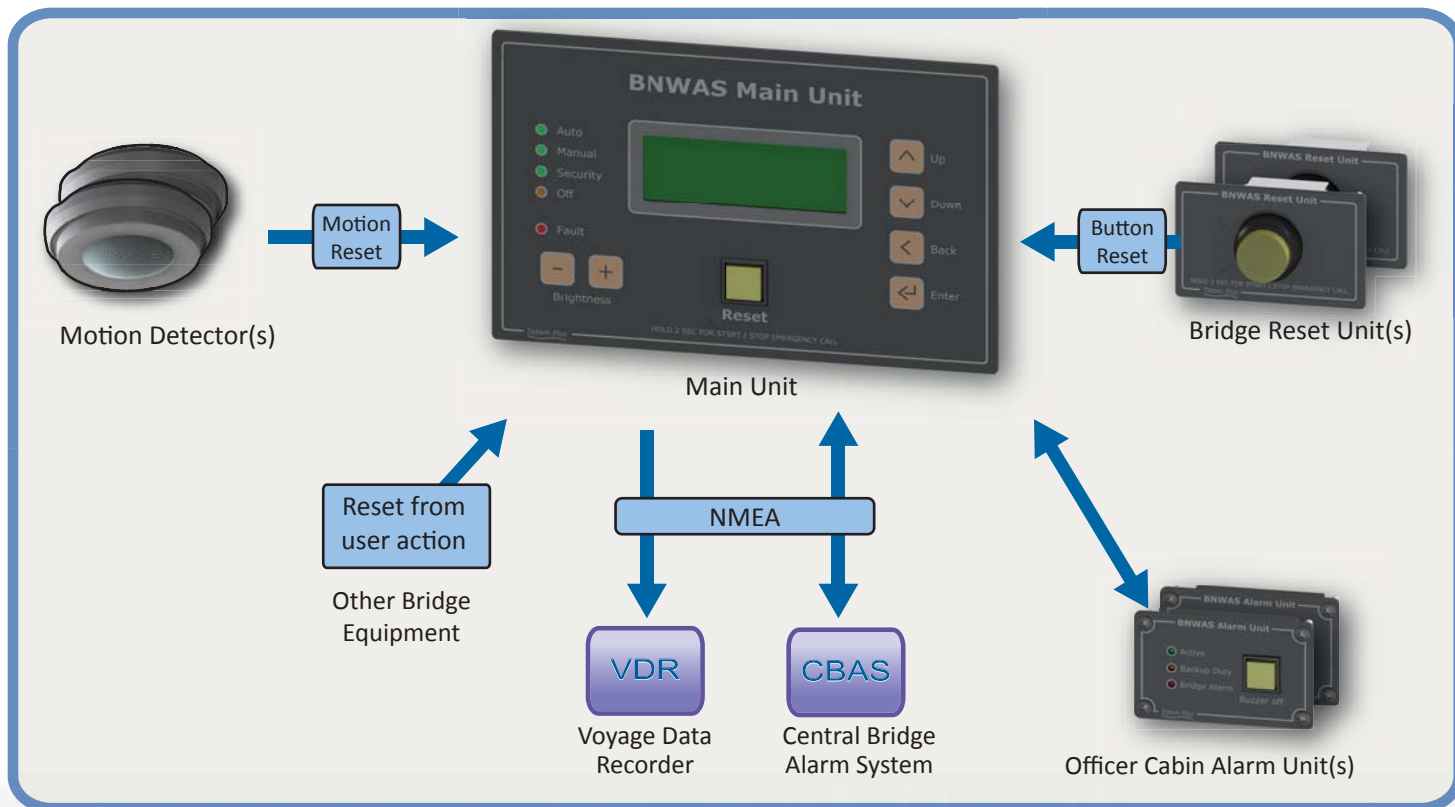
New regulations from IMO will require carriage of a Bridge Navigational Watch Alarm System (BNWAS) complying with IMO performance standards. For existing ships, the equipment should be installed in connection with the first survey after the following deadline:

Existing passenger ships and ships over 3,000 GT: **1st July 2012**

Existing ships over 500 GT: **1st July 2013**

Existing ships over 150GT: **1st July 2014**

New ships over 150GT and all new passenger ships constructed after 1 July 2011 shall be equipped with a bridge Navigational Watch Alarm System



Features

- “Call for Assistance” button in Main and all reset units (can also be activated from external source)
- Reset of system by the following options:
 - Reset button (7 locations: Main and up to 6 secondary reset units)
 - Movement detected by motion sensors
 - Activity on other navigational equipment
- Waterproof reset unit for wing installation
- Main and secondary reset units installed at working locations on the bridge (max 6 secondary units)
- Remote alarm units installed in Master and Mates cabins as well as public areas (max 20 units in 7 independent groups)
- Password protected accesses
- Timer setup for:
 - Dormant period 3-12 minutes
 - Watch alarm transfer to second stage (backup duty officer) 15-180 seconds
 - Watch alarm transfer to third stage (general alarm) 90-180 seconds
- Setup of backup officer on duty (for alarm transfer on second stage.)
- NMEA output for transfer of BNWAS status to VDR or Central Bridge Alarm System
- “Auto” mode – activation from external source (auto pilot)

Advantages and Special Features

- **Countdown timer**
- **Four different options of audio signal to distinguish it from other bridge alarms and the possibility of having two or more back-up officers.**
- **“Burglar Alarm” Security mode for unattended and locked bridge in port (second/third stage alarm will be triggered if motion detected on the bridge)**