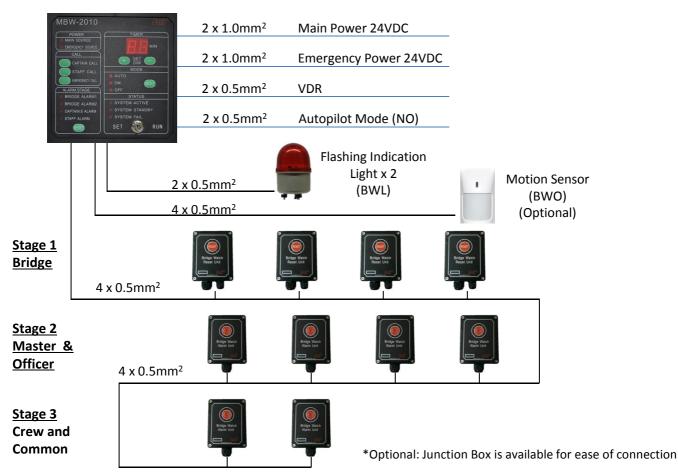


# BRIDGE NAVIGATIONAL WATCH ALARM SYSTEM (BNWAS) In accordance to MSC.128(75)



# **Example of BNWAS System Layout**





The purpose of the BNWAS is to assist the Duty Officer of Watch (OOW) during the night. The Master of the vessel will set a time interval between 3 to 12 minutes and activate the mode to ON or AUTO before returning for rest in the night. When the OOW does not reset in the stipulated time dedicated, the alarm will enter into sequence of Stage 1, 2 and 3. This will ensure that the OOW is executing his duties and not leaving the Bridge post in the midst.

Stage 1 : Wheelhouse Indication & Audible Alarm

- Stage 2 : Captains Cabin and Officer Indication & Audible Alarm
- Stage 3 : Crew and Common Indication & Audible Alarm

The emergency call function is provided to enable OOW to call for help when required.

Features	In accordance to IMO Resolution MSC.282(86),
Features         ✓ Dimmer Control         ✓ Timer Selection         ✓ Visual Alarm ( Flashing Indicator         ✓ Alarm Volume selectable ( Main Panel )         ✓ Emergency Call Function         ✓ Motion IR (Optional)	<ol> <li>In accordance to IMO Resolution MSC.282(86).</li> <li>New Building cargo ships of 150 gross tonnage upwards and passenger ships irrespective of size constructed by July 2011.</li> <li>Existing Passenger Ships irrespective of size constructed before 1 July 2011, not later than first survey after 1 July 2012.</li> <li>Existing Cargo Ships of 3000 gross tonnage and upwards constructed before 1 July 2011, not later than first survey after 1 July 2012.</li> <li>Existing cargo ships of 500 gross tonnage and upwards but less than 300 gross tonnage constructed before 1 July 2011, not later than the</li> </ol>
<ul> <li>✓ Ease of use &amp; Installation</li> <li>✓ IP65 Enclosure (Reset)</li> <li>✓ Competitive Prices</li> </ul>	<ol> <li>5. Existing cargo ships of 150 gross tonnage and upwards but less than 500 gross tonnage constructed before 1 July 2011, not later than first survey after 1 July 2014.</li> </ol>

# Specification :

#### Electrical

- Main Panel DC24V Main and Emergency Power
- Flashing Indication DC24V
- Motion Sensor DC12V
- Alarm and Reset DC24V

# Communication

- Modbus Protocol
- NMEA 0183

# **Regulation :**

Design standards in accordance to MSC.128(75) Tested in accordance to IEC62616 standards and IEC60945 standards

#### **Type Approved :**

China Classification Society (CCS)

## Developed by :

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