

BNWAS

Bridge Navigational Watch Alarm System

SAFETY AT SEA



- ☐ Easy to install.
- ☐ Visual and acoustic alarm.
- ☐ Manual / auto activation mode.
- ☐ Ability to connect to PIR movement sensors.
- ☐ Additional alarm horns, backup panels, and reset buttons.
- ☐ Optional box enclosure version.

Bridge Navigation Watch Alarm System (BNWAS) is used to monitor bridge activity and detect the officer of the watch disability which could lead to marine accidents.

If, for any reason, the officer of the watch becomes incapable of performing the officer of the watch duties and would not confirm his presence at appropriate time periods the system will automatically start the alerting procedure.

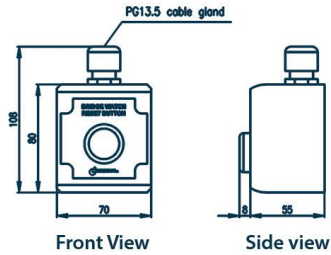
New regulations from IMO's Maritime Safety Committee (MSC) will require carriage of a BNWAS. For the existing ships, the equipment should be installed in connection with the first survey after the following deadlines:

- Existing passenger ships and ships over 3000 GT: 1 July 2012.
- Existing ships over 500 GT: 1 July 2013.
- Existing ships over 150 GT: 1 July 2014.

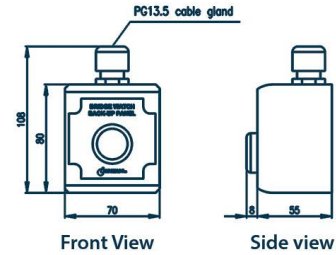
New ships over 150 GT and all new passenger ships constructed after 1 July 2011 shall be equipped with a BNWAS.



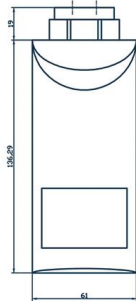
BRIDGE WATCH RESET BUTTON



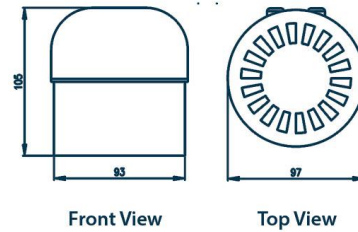
BRIDGE WATCH BACK-UP ALARM PANEL



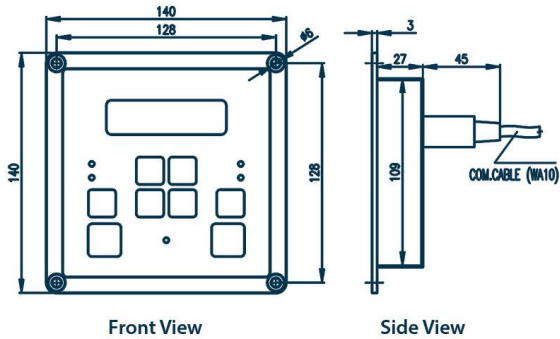
PIR MOTION SENSOR (OPTIONAL)



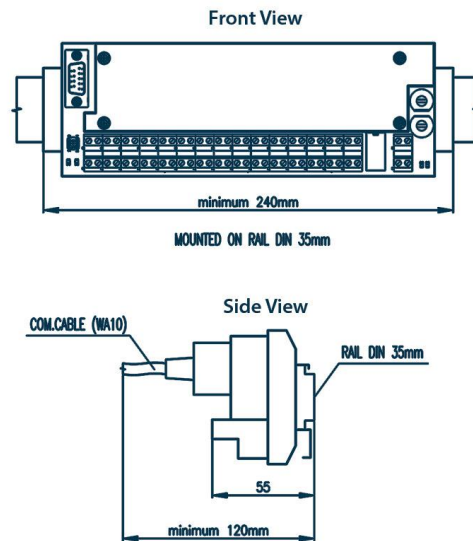
ALARM HORN



CONTROL PANEL



MAIN ELECTRONIC UNIT



TECHNICAL SPECIFICATION:

POWER SUPPLY MAIN:	230VAC / 24VDC Converter
POWER SUPPLY EMERGENCY:	24VDC OR BATTERY (provides 1 hour of operation)
POWER CONSUMPTION:	MAX. 1A
NMEA INPUT:	1 x RS485
NMEA OUTPUT:	1 x RS485
BINARY OPTOCOUPLER INPUTS:	4
FREE CONTACT OUTPUTS:	5 x NO
BINARY RESET INPUT:	2 x NO
BINARY ALARM OUTPUT:	1 x NO/NC
PANEL DIMENSIONS:	140x140x45 CONSOLE FLUSH MOUNT
MAIN UNIT DIMENSIONS:	204x84x30 MOUNTED ON 35mm DIN RAIL
OPTIONAL BOX VERSION:	300x200x180 MOUNTED ON THE WALL

APPROVALS: PRS, GL, MSC.128(75) , IEC 62616, IEC 60945.

Certified by: Polish Register of Shipping,
Germanischer Lloyd.

