

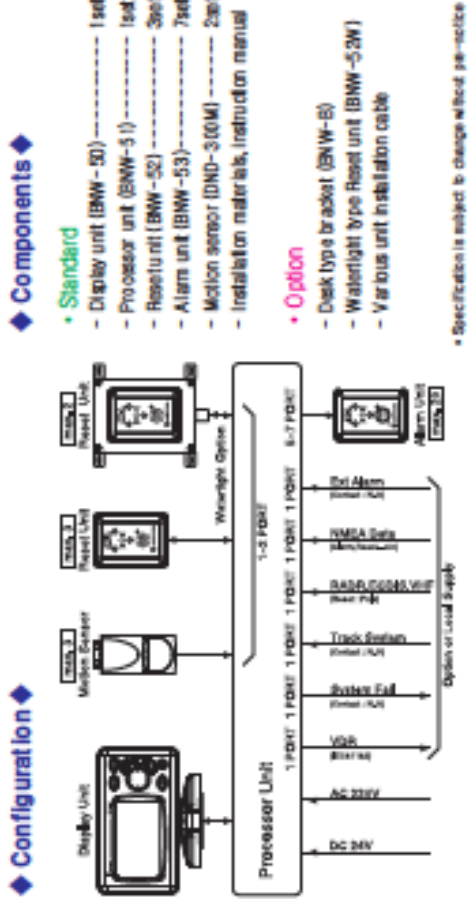
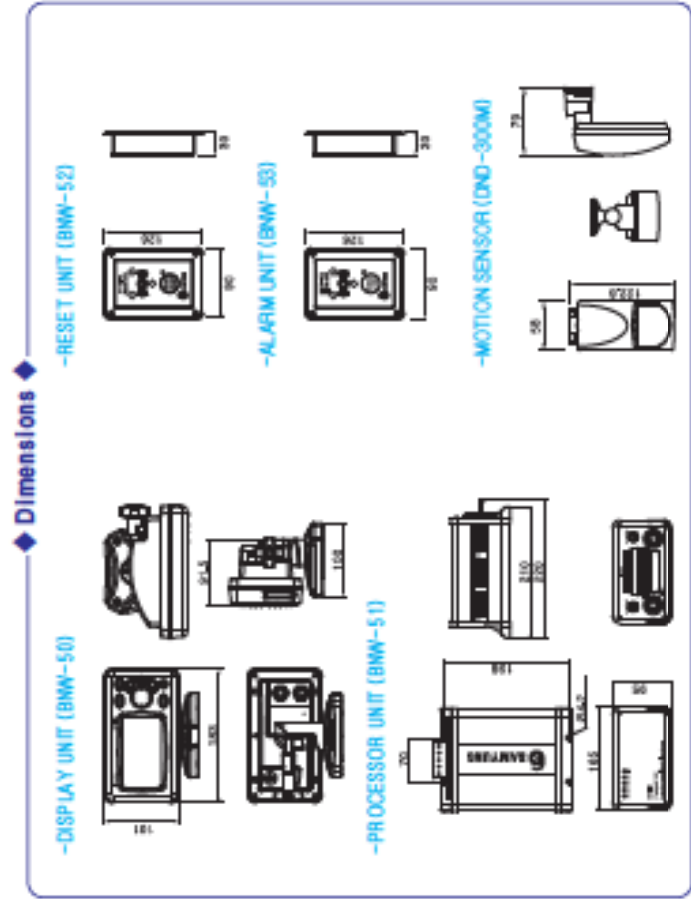


Bridge Navigational Watch Alarm System



BNW-50

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ISO 9001:2000 / KS A 9402:1993
 Certificate No. 10400001

Bridge Navigational Watch Alarm System **BNW-50**

◆ BNWAS Characteristics ◆

- Comply with IMO Res. 120(73), IMO Res.A 814(17), IEC 62162(B), IEC 60945(2002) & IEC 61163(2007).
- ALR (Alarm) wireless output (IEC 61162) for VDR.
- Responds to the other navigational equipment's ALR (Alarm) and EYE/eye'd wireless input.
- T-List display function once OPS signal is connected.
- Easy to extend the function due to the availability of various options.
- Facilitates the other bridge activity and deck operability which could lead to marine accidents.
- Alerts the stand-by officer when the watch officer does not respond to the visual and audible alarm.
- Equipped with emergency call and navigator call button.
- A strobe light function that detects the movement of the watch officer by using the motion sensor.
- Use of password protects the control of setup menu.
- Easy to operate since display uses numbers and graphics.



DISPLAY UNIT (BNW-50)

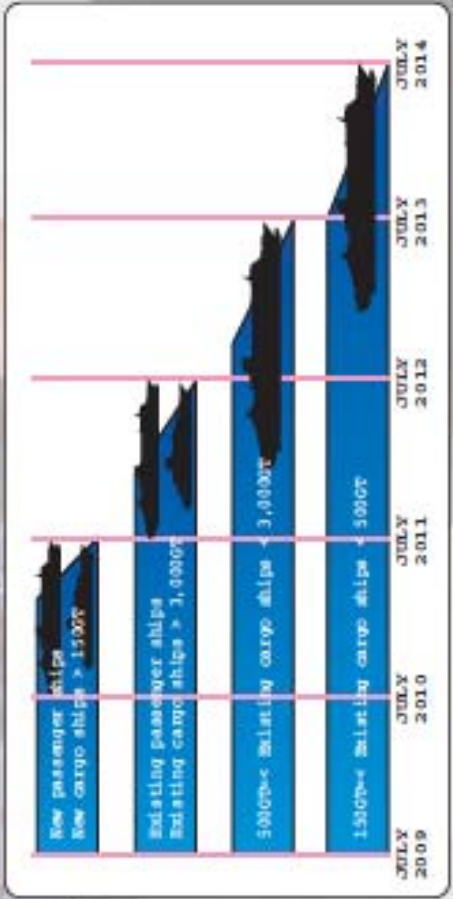


PROCESSOR UNIT (BNW-51)

RESET UNIT (BNW-52/52W)

ALARM UNIT (BNW-53)

◆ Implementation schedule of BNWAS ◆



◆ Product Specification ◆

◆ DISPLAY UNIT (BNW-50)

- Screen size: 4.3 inch TFT color LCD, 478 x 272 pixels
- Power consumption: 130mA, power save mode 70mA (24V DC)
- Size: 129 x 101 x 113.5 mm (WxHxD)
- Weight: 1.5kg
- Operation temperature: -15°C ~ 55°C

◆ PROCESSOR UNIT (BNW-51)

- Main power supply: 110V / 220V AC
- Backup power supply: 3W DC (for 6 hour, min 3 A)
- Power consumption: 130mA
- Size: 88 x 105 x 95 mm (WxHxD)
- Weight: 1.5kg
- Operation temperature: -15°C ~ 55°C
- Interface: Infrared remote probe by radar.



Handling interface of operating track controller
Handling NMEA data/chart alarm, etc)
Handling 100V power supply and reset of motion sensor and start unit.
Outputting the alarm signal for read and alarm unit.
Outputting the NMEA data for black-out/NOVDR
Outputting the alarm interface for machine breakdown
Outputting the interface for the terminal unit's alarm.
Input/output 0-20V power supply and RS-232 communication for display unit.

◆ RESET UNIT (BNW-52)

- Power consumption: max 3mA / unit (24V DC)
- Size: 128 x 88 x 30 mm (WxHxD)
- Weight: 0.250 (including cable), 0.260 (break type), 0.330 (waterproof type)
- Operation temperature: -15°C ~ 55°C
- Level of water and alarm: (PPTW) at digital level
- Level of sound: Over 75 dB
- Function: If ready and alarm, set alarm audible alarm are combined (You may choose one function if you wish).



◆ ALARM UNIT (BNW-53)

- Power consumption: max 30mA / unit (24V DC)
- Size: 128 x 88 x 30 mm (WxHxD)
- Weight: 0.25kg (including cable), 0.26kg (break type)
- Operation temperature: -15°C ~ 55°C
- Level of sound: Over 75 dB



◆ MOTION SENSOR (DND-300M)

- Power consumption: Operating = 25mA / unit, Stand-by = 17mA / unit (24V DC)
- Detection method: Quad-element PIR and microwave polar doppler
- MW frequency: 14.325GHz
- Size: 115 x 61 x 37.5 mm (WxHxD)
- Weight: 120g (3-incl. cable)
- Operation temperature: -15°C ~ 55°C
- Detectable angle: 102° ~ 158°
- Detectable range: 15m (Standard)
- Pre-heating time: 1 minute

