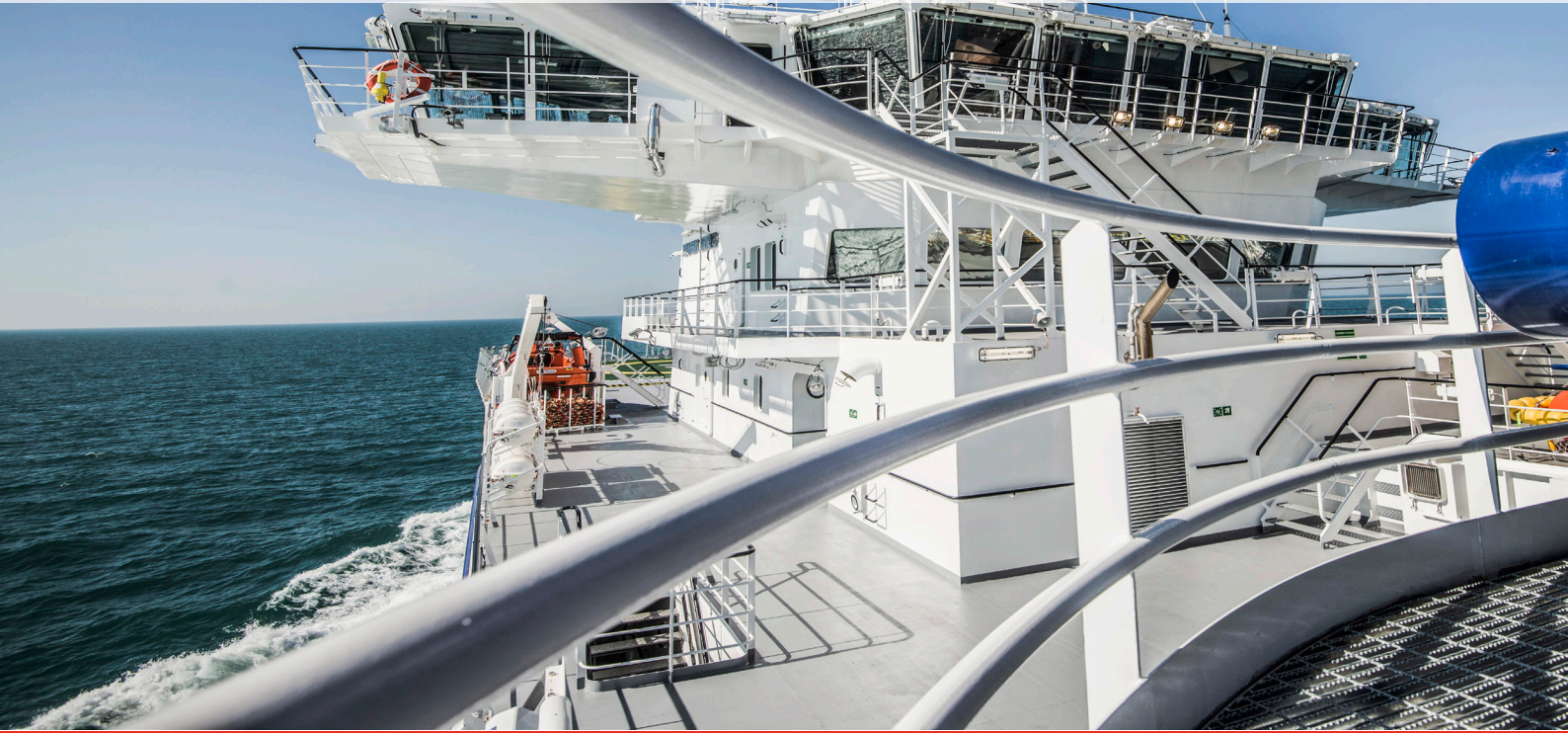


# AlphaBNWAS

Bridge Navigational Watch Alarm System

# ALPHATRON

# Marine



- Compact design to fit in any existing console
- Easy to install and operate
- Set-up is protected by key-switch
- Extendible with other alarm with Alarm Unit



**Category**

>150 GT



Workboats



Deepsea



Fishing



Yachting

[alpatronmarine.com](http://alpatronmarine.com)

# Features |

A Bridge Navigational Watch Alarm System (BNWAS) is an aid to help protect the Ship's Officers required to ensure a presence of the Officer of the Watch on the bridge and to carry out one man bridge duties. A BNWAS monitors bridge activity and detects any absence on the bridge that could lead to shipping accidents. The BNWAS system monitors the awareness of the Officer of the Watch (OOW) and warns the Master and/or another qualified Officer if the Officer of the Watch becomes incapable of performing duties through whatever cause.

- Cost effective design
- Operator friendly
- IMO approved
- Flexible configuration
- Uniform product philosophy
- Extendable by means of extra reset buttons
- Reports to the officer's cabins
- Dimming function
- Possibility to switch on automatically with the autopilot
- Communication interface to VDR and ECDIS (NMEA)



## Integrate in design |

The AlphaBNWAS is available in standard- and MF line version. When the AlphaBNWAS system is implemented into an Alphabridge design, a separate version of the control unit will be available with a modified front panel to comply with the recognizable corporate Alphabridge black or grey style.



**BUREAU  
VERITAS**

## Approved system |

Ship owners can now meet these requirements in a cost effective way by choosing the Alpatron Watch Alarm system called the AlphaBNWAS. The AlphaBNWAS is a Bureau Veritas MED certified Bridge Navigational Watch Alarm System mandatory on SOLAS vessels of 150GT and up and passenger vessels irrespective of the size of the vessel.

# Alarm stages |

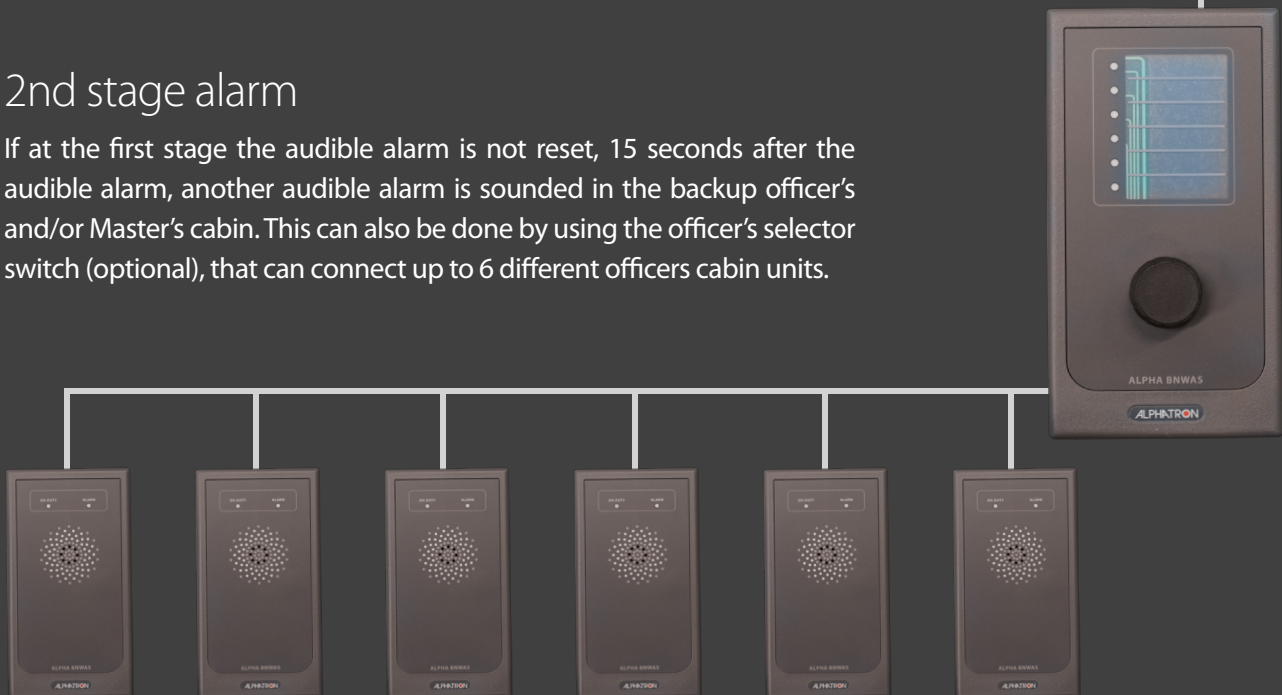
## 1st stage alarm

Once the dormant period ends, a visual indication inside the main unit will be activated. If not reset within 15 seconds of the visual indication, an audible alarm is sounded. This main unit is on the bridge and warns the person on watch he should reset the alarm. The alarm can be reset on the main unit or on the remote reset button or with a motion sensor. If the person on watch does not reset the alarm within 30 seconds the second stage alarm will sound.



## 2nd stage alarm

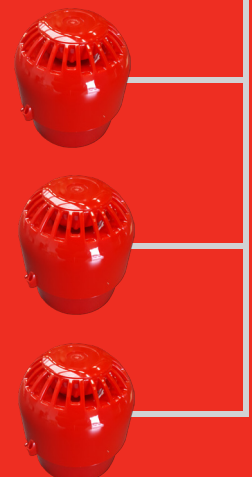
If at the first stage the audible alarm is not reset, 15 seconds after the audible alarm, another audible alarm is sounded in the backup officer's and/or Master's cabin. This can also be done by using the officer's selector switch (optional), that can connect up to 6 different officers cabin units.



## 3rd stage alarm

If at the second stage the audible alarm is not reset, 90 seconds after it, another unique audible alarm with sufficient volume is sounded at the locations of further crew members capable of taking corrective actions. If the officer does not reset within 3 minutes the 3rd stage alarm will sound all over the vessel.

- Except for passenger's vessels, the second and third stage alarm can be combined to sound at all locations. If this is applied, the third stage alarm may be omitted.
- For very large vessels, sufficient time of up to 3 minutes must be accounted for the backup officer or the Master to reach the Bridge to tend to the situation.



# Specifications

|                  |  |
|------------------|--|
| Main unit        |  |
| Power supply     | 18-28 VDC@180mA max                      |
| Input            | Reset                                    |
| Output           | 4 potential free                         |
| Mounting         | Flush mount                              |
| Protection       | Set-up is protected by key-switch        |
| Dimensions       |  |
| Standard version | 72x144x88 (WxHxD); Cut out: 67x139 (WxH) |
| MF line version  | 96x180x76 (WxHxD); Cut out: 90x160 (WxH) |

|                      |  |
|----------------------|--|
| Buzzer Unit          |  |
| Power supply         | 18-33 VDC@30mA max                         |
| Dimensions           |  |
| Standard flush mount | 72x96x70mm (WxHxD)<br>Cut out: 67x91 (WxH) |
| Standard wall mount  | 80x105x28mm (WxHxD)                        |
| MF line version      | 96x180x76 (WxHxD); Cut out: 90x160 (WxH)   |

|              |  |
|--------------|--|
| Reset Unit   |  |
| Power supply | 18-33 VDC@30mA max                       |
| Dimensions   |  |
| Standard     | 72x96x70mm (WxHxD); Cut out: 67x91 (WxH) |
| MF line      | 96x180x76 (WxHxD); Cut out: 90x160 (WxH) |

|                 |   |
|-----------------|---|
| Selector Switch |   |
| Power supply    | 18-28 VDC@10mA max                              |
| Dimensions      |   |
| Standard        | 72x144x70mm (WxHxD)<br>Cut out: 139x67 mm (WxH) |
| MF line         | 96x180x76 (WxHxD); Cut out: 90x160 (WxH)        |

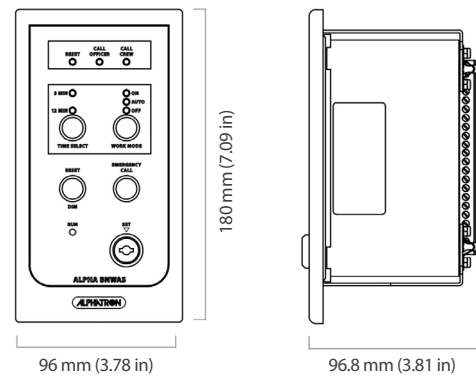
|                       |  |
|-----------------------|--|
| 10 Channel Alarm Unit |  |
| Power supply          | 18-30VDC@150mA                                   |
| Interface             | Modbus interface (RS485)                         |
| Input (digital)       | 10 digital inputs (NO/NC)                        |
| Output                | 3 group outputs                                  |
| Input                 | 3 lock inputs                                    |
| Alarm relay           | Potential free alarm relay                       |
| Dimensions            |  |
| Standard              | 72x144x75mm (WxHxD);<br>Cut out: 139x67 mm (WxH) |

|                |                        |
|----------------|------------------------|
| Horn           |                        |
| Power supply   | 8-35VDC                |
| Operating Temp | -25°C to + 70°C / IP65 |
| Frequency      | 400-2850Hz             |
| Dimensions     |                        |
| Standard       | 98x104mm (RxH)         |

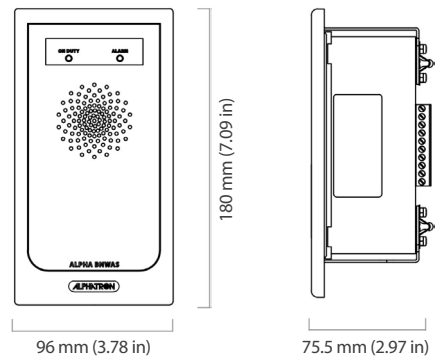
|            |                              |
|------------|------------------------------|
| PIR Sensor |                              |
| Specifcs   | 110° angle and 360° overview |
| Dimensions |                              |
| Standard   | 59x107x39mm (WxHxD)          |

# Tech Specs

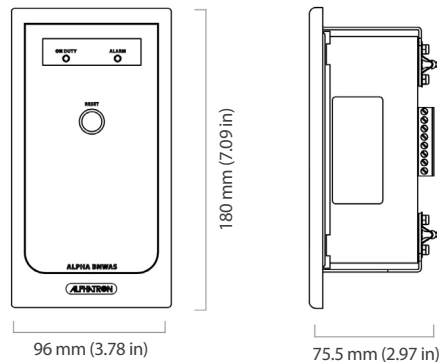
## Main unit G-002351



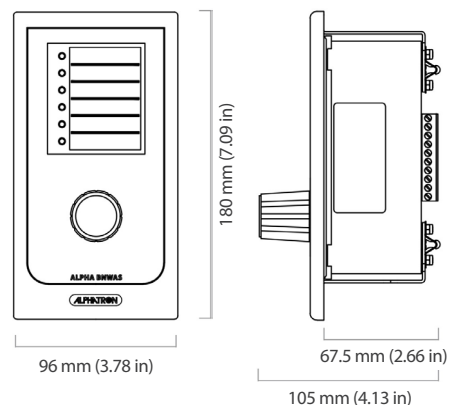
## Buzzer Unit G-002369



## Reset Unit G-002368



## Selector Switch G-002370



# In the box

## AlphaBNWAS MF Line

- AlphaBNWAS Main unit -Alpha MF line ● G-002362 ● G-002364
- AlphaBNWAS Reset unit -Alpha MF line ● G-002365 ● G-002368
- AlphaBNWAS cabin unit buzzer -Alpha MF line ● G-002366 ● G-002369
- AlphaBNWAS selector -Alpha MF line ● G-002367 ● G-002370

## AlphaBNWAS

- AlphaBNWAS Main Unit watch alarm, flush mount LR approved G-002351
- AlphaBNWAS cabin unit buzzer, flush mount G-002352
- AlphaBNWAS cabin unit buzzer, wall mount G-002374
- AlphaBNWAS reset button G-002354
- AlphaBNWAS selector switch G-002355
- AlphaBNWAS outdoor wing remote reset G-002357

## Accessories

- AlphaBNWAS 10 Channel Alarm Unit ● G-002350 ● G-002353
- AlphaBNWAS Alarm horn G-002356
- AlphaBNWAS connectionbox G-002371
- AlphaBNWAS Flush mount bracket for Buzzer-and reset unit mounting G-002359
- AlphaBNWAS wall mounting box G-002360
- AlphaBNWAS Flush mount bracket for main-unit mounting G-002361
- AlphaBNWAS NMEA activation unit G-006949
- AlphaBNWAS Main connection board G-002371
- AlphaBNWAS Extension connection board G-002372
- AlphaBNWAS Selector switch connection board G-002373
- AlphaBNWAS motion sensor G-002375
- Cable to connect Main Unit to Main Connection board, 2 meter NL1-003200



ALPHATRON  
Marine



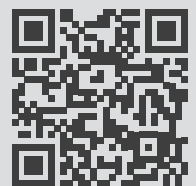
[www.alphatronmarine.com](http://www.alphatronmarine.com)

#### Contact hoofdkantoor

Alphatron Marine B.V.  
Schaardijk 23  
3063 NH Rotterdam  
Nederland  
+31 10 453 4000  
[info@alphatronmarine.com](mailto:info@alphatronmarine.com)

#### Wereldwijd

|           |           |
|-----------|-----------|
| België    | Maleisië  |
| Curacao   | Nederland |
| Frankrijk | Polen     |
| Duitsland | Singapore |
| Japan     | Spanje    |
| Korea     | USA       |



Scan of klik om de webpagina te bezoeken.