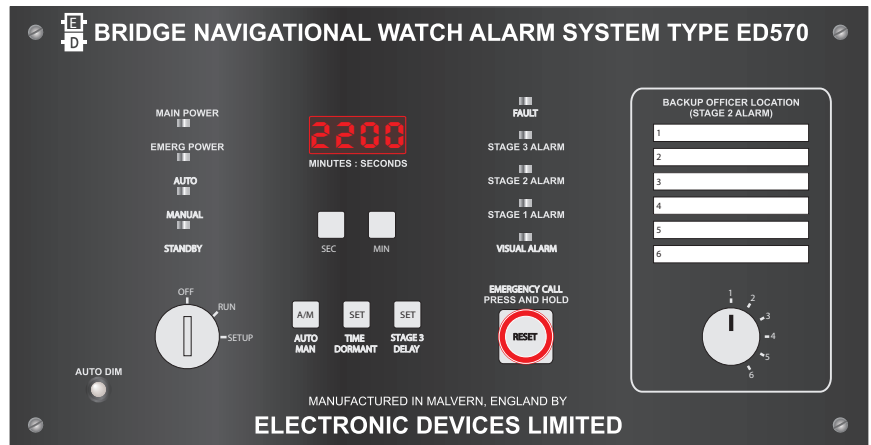


# BRIDGE SAFETY- TYPE ED 570



The ED570 Bridge Navigational Watch Alarm System (BNWAS) is designed to monitor bridge activity and detect operator disability that could lead to marine accidents. The system monitors the awareness of the Officer of the Watch (OOW) and automatically alerts the Master or another qualified crew member if for any reason the OOW becomes incapable of performing his duties. This is achieved by a series of indications and alarms to alert first the OOW and, if he is not responding, then alert the Master or other qualified crew members.



## SPECIFICATION

### SUPPLY INPUT

12VDC -20%, +30%  
24VDC -25%, +30%

### CURRENT CONSUMPTION:

<200mA worst case (panel only).

### OUTPUT FOR VDR:

NMEA 0183 as per IEC 61162-1

### WEIGHT: <1KG

### DIMENSIONS:

250mm L x 150mm H  
x 80mm D (behind panel)

### DESIGNED TO MEET STANDARDS:

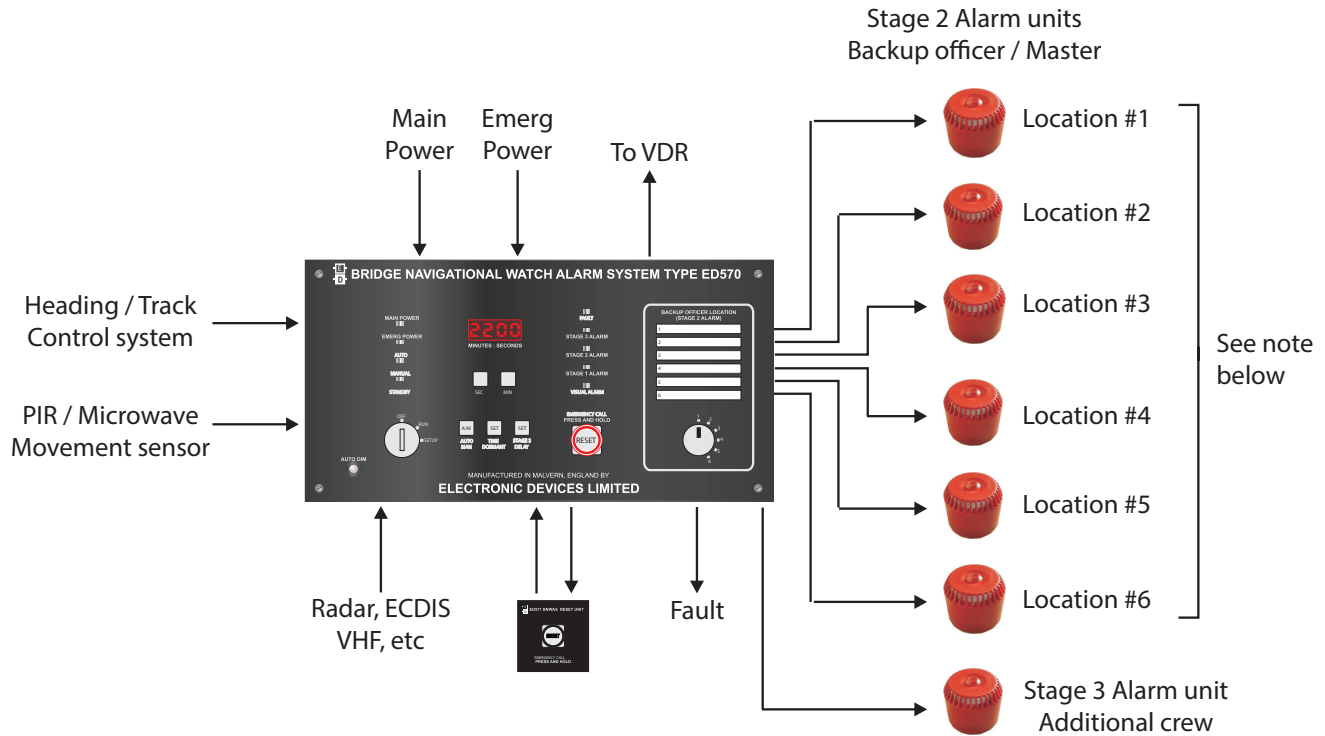
IMO MSC.128(75)  
IMO A.694(17)  
IMO MSC.282(86)  
IMO A.830(19)  
IEC 62616:2010  
IEC 61162-1

## FEATURES

- Automatic mode: operational whenever the ships heading or track control is engaged.
- Manual mode: permanently operational.
- Motion sensor input from PIR/Microwave detector automatically monitors the OOW movements.
- NMEA output for connection to voyage data recorder.
- Activity input from devices such as Radar, ECDIS and VHF automatically monitors bridge activity
- Built in bridge visual and audible alarm unit
- Built in backup Officer location selector switch
- Main and Emergency supply input with automatic change over.
- Time Dormant (Td), the time before the first alert occurs can be adjusted between 3 and 12 minutes.
- For larger vessels the delay between stage 2 and stage 3 alarms can be adjusted between 90 seconds and 3 minutes.
- Emergency call facility to request immediate assistance on the bridge.

## ALARM SEQUENCE WITHOUT RESET:

|                       |   |   |
|-----------------------|---|---|
| Time dormant exceeded | - | Visual Alarm on Bridge                                |
| +15 Seconds           | - | Visual + Audible Alarm on Bridge                      |
| +15 Seconds           | - | Visual/Audible Alarm Backup Officer / Master location |
| +90S - 3 Mins         | - | Visual/Audible Alarm Additional Crew Members          |



### NOTE:

Internal jumpers (1 - 6) allow any / all locations to operate for Stage 2 Alarm, regardless of selector switch position. As in IMO MSC.128(75) para 4.1.2.4 and 4.1.2.6, see instruction manual for further details.