JCX-151/152 BNWAS

JCX-151(LED)

JCX-152(LCD)

RMS

– JRC's new Bridge Navigational Watch Alarm System is available in two models

- **Available as LED or 4.3-inch LCD touch screen**
- **Compatible for Remote Maintenance System**
- **In/output to JRC's VDR , ECDIS and Radar**
- **Fully complies with IMO regulations**
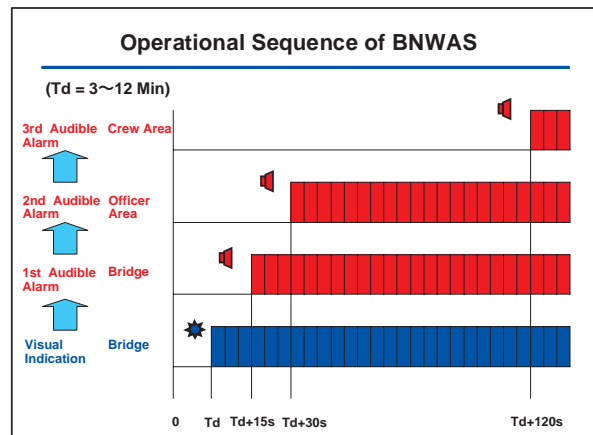- **Motion sensor available (option)**

JCX-151/152
features

About BNWAS

The Bridge Navigational Watch Alarm System (BNWAS) main purpose is to monitor the presence of watch officers and their alertness for early detection of unsafe sailing conditions.
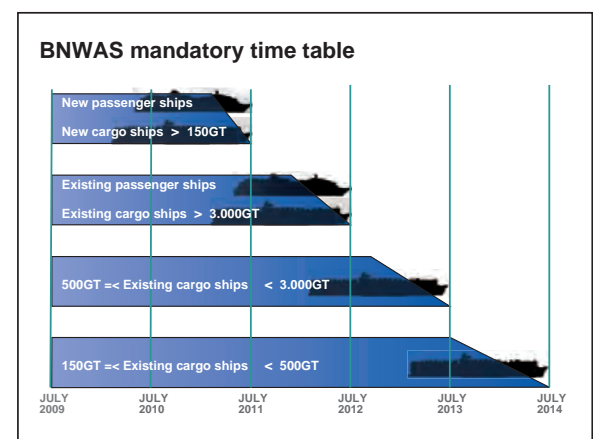
The user can define an interval sequence of between 3 and 12 minutes. This will only give a visual indication. The alarm can be reset at any point in time. There is a visual indicator of the time countdown. After the preset interval, an alarm sequence will go into effect.

When the officer fails to acknowledge within pre-set intervals, visual and audible alarms will be generated in the wheelhouse and other crew spaces as necessary.

Operational Sequence of BNWAS

IMO

BNWAS will be mandatory for all new build passenger ships and cargo ships above 150 GT constructed on and after 1 July 2011 and will be phased in for existing ships over the coming years.

BNWAS mandatory time table

Two display versions available

The JRC BNWAS is available in 2 versions (JCX-151/JCX-152) on its display, LED or LCD. The LED display showing at a glance alarm stages allowing easy operation. The LCD display with touch screen for high performance operation. Indication of time (with GPS), alarm history and registration of optional alarm's name is available with LCD display.
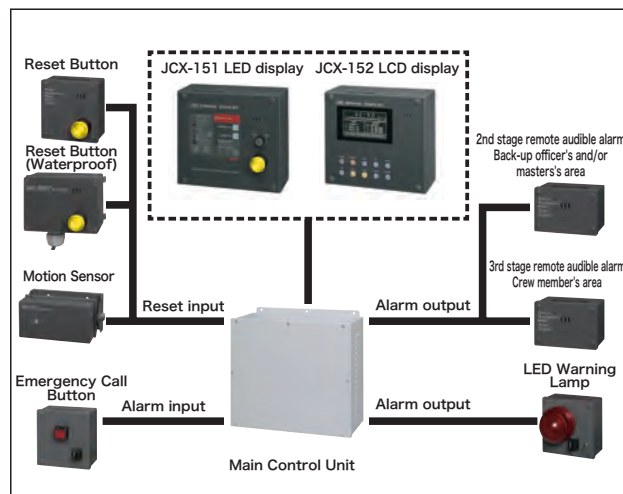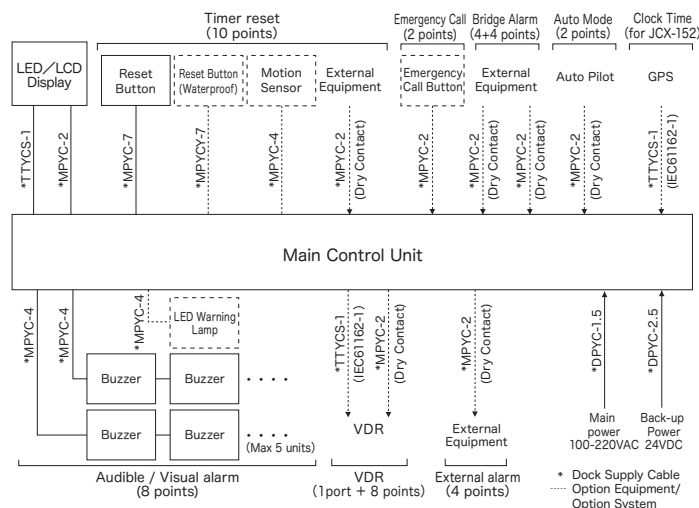

JCX-151

JCX-152

JCX-151/152 diagram and specifications

Options and interconnections

The JRC BNWAS has a range of standard (Main Control Unit, Reset Button Unit, Buzzer Unit) and optional units (Reset Button Unit (Waterproof), LED Warning Lamp Unit, Motion Sensor Unit, Emergency Call Button Unit and etc.) to fit any type and size vessels. Also JRC BNWAS have many I/O ports for interconnection with bridge navigational equipments. (Auto Pilot, Radar, ECDIS and etc.)

Specifications

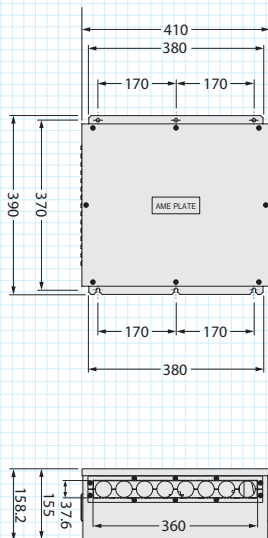| Name	Bridge Navigational Watch Alarm System (BNWAS)	
Model	JCX-151	JCX-152
IMO	MSC.128(75)	
Display Unit	LED display	LCD display
Model	NCD-2189	NWB-63
Main Control Unit		
Model	NCK-169	
Input Reset signal	10 points	
Emergency call signal	2 points	
Navigational equipment alarm signal	4 points	
Navigational equipment remote ACK signal	4 points	
Automatic mode signal	2 points	
Output Visual/Audible alarm	8 points	
Relay contact signal for VDR	8 points	
Navigational equipment remote ACK	4 points	
I/O Display	1 port	
Contact unit	—	1 port
VDR	1 port	
GPS(Clock)	—	1 port
Protection	IP22	
Power supply	AC100～120V／200～240V	
	DC24V	
Power consumption[1]	max. 268W	
Ambient conditions	−15～＋55℃ 93%@40℃	
Options		
Reset Button Unit	NCJ-878	
Reset Button Unit (Waterproof)	NCJ-879	
Buzzer Unit	NVS-765	
Motion Sensor Unit	NYG-4	
LED Warning Lamp Unit	NCD-2191	
Emergency Call Button Unit	NCJ-880	
Contact Input Unit[2]	NQA-2290	
Contact Output Unit[2]	NQB-1029	

[1] Power consumption changes by the system configuration.
[2] Option only for JCX-152

(BNWAS)

JCX-151/152 size and mass
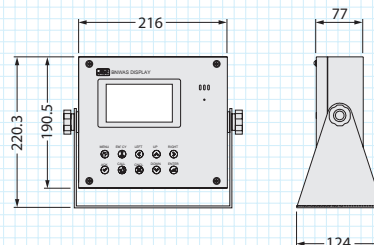
Main Control Unit

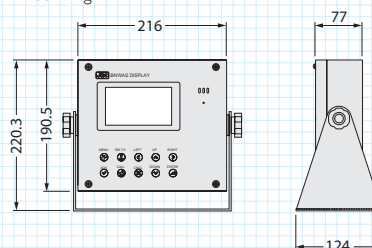**NCK-169** MASS 14.5kg

LCD Display Unit

Unit : mm

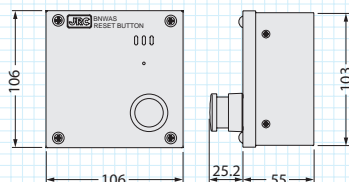**NWB-63** MASS 3.0kg

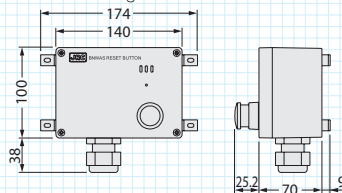## LED Display Unit

NCD-2189 MASS 2.1kg

Reset Button Unit
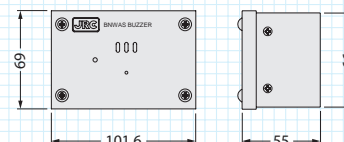
NCJ-878 MASS 0.5kg

Reset Button Unit (Waterproof)
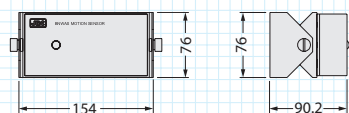
NCJ-879 MASS 0.8kg

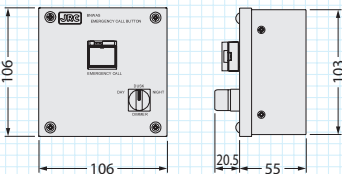
Buzzer Unit

NVS-765 MASS 0.4kg

Motion Sensor Unit
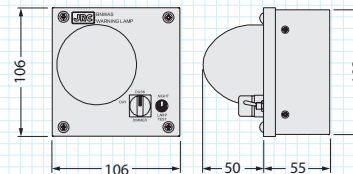
NYG-4 MASS 1.0kg

Emergency Call Button Unit

NCJ-880 MASS 0.5kg

LED Warning Lamp Unit

NCD-2191 MASS 0.5kg

• Specifications may be subject to change without notice.

For further information, contact:

JRC
Since 1915

Japan Radio Co., Ltd.

URL http://www.jrc.co.jp/eng/

Main Office: Fujisawa bldg. 30-16, Ogikubo 4-chome
Suginami-ku, Tokyo 167-8540, Japan
Telephone: +81-3-6832-1816
Facsimile: +81-3-6832-1845

Overseas Branches : Seattle, Amsterdam, Athens, Manila
Liaison Offices : Taipei, Jakarta, Singapore, Hanoi,
Shanghai, Hamburg, New York