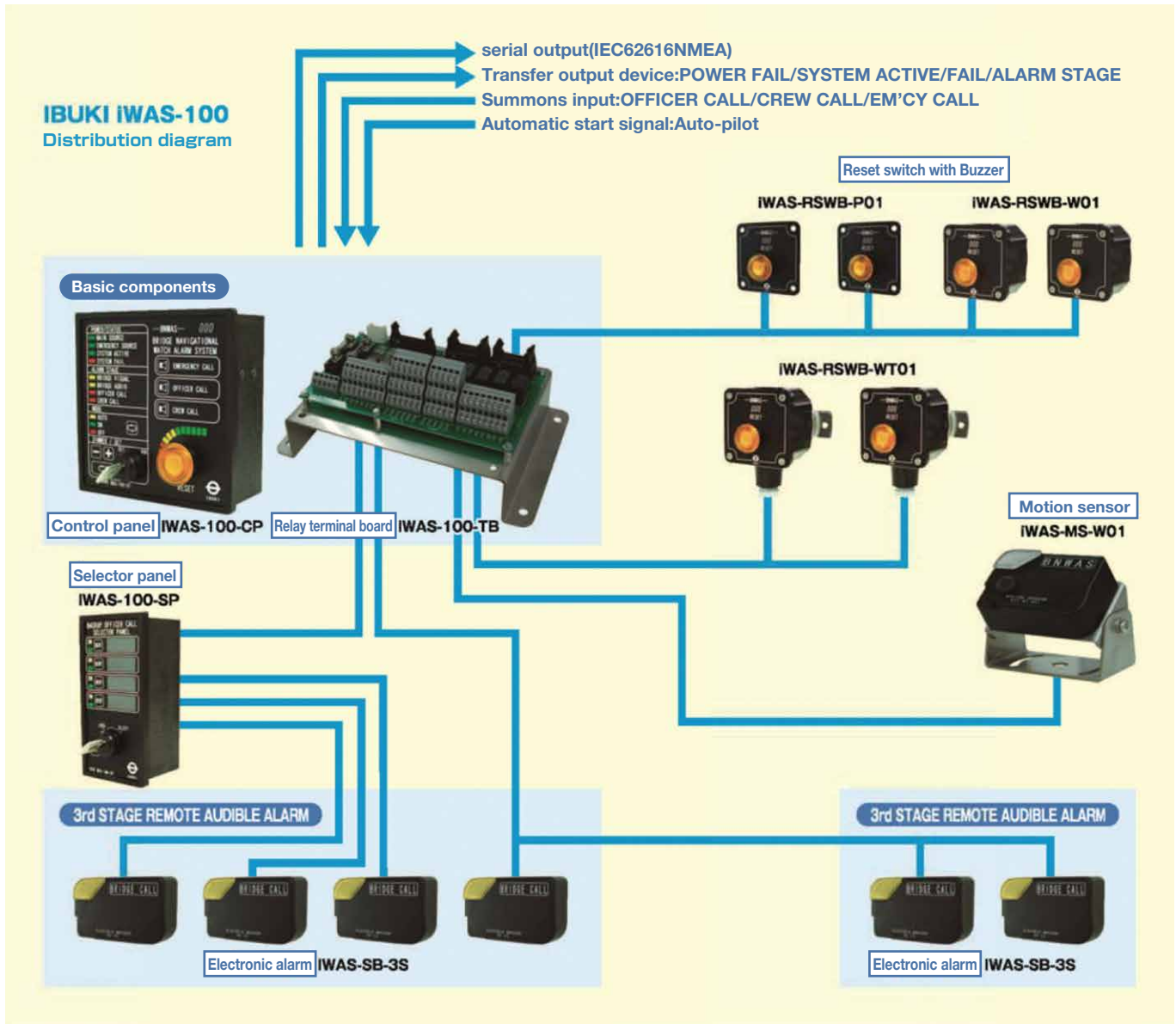# Watch Alarm System

BRIDGE NAVIGATIONAL WATCH ALARM SYSTEM (BNWAS)
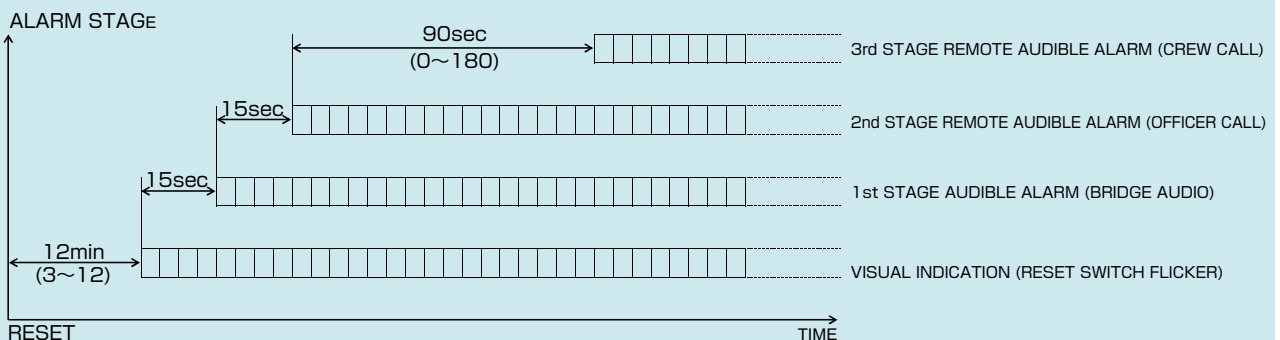
The regulation will be approved as the revision of SOLAS on November 2008. The below vessel are applied.
1. Ships of 150gross tonnage and upwards and passenger ships irrespective of size constructed.
2. Passenger ships irrespective of size constructed.
3. Ships of 3,000 gross tonnage and upwards constructed .
4. Ships of 500 gross tonnage and upwards but less than 3,000 gross tonnage constructed.
5. Ships of 150 gross tonnage and upwards but less than 500 gross tonnage constructed.

IBUKI iWAS-100
Distribution diagram

serial output(IEC62616NMEA)
Transfer output device:POWER FAIL/SYSTEM ACTIVE/FAIL/ALARM STAGE
Summons input:OFFICER CALL/CREW CALL/EM'CY CALL
Automatic start signal:Auto-pilot

Reset switch with Buzzer
iWAS-RSWB-P01   iWAS-RSWB-W01

iWAS-RSWB-WT01

Motion sensor
iWAS-MS-W01

Basic components

Control panel IWAS-100-CP   Relay terminal board IWAS-100-TB

Selector panel
IWAS-100-SP

3rd STAGE REMOTE AUDIBLE ALARM   3rd STAGE REMOTE AUDIBLE ALARM

Electronic alarm IWAS-SB-3S   Electronic alarm IWAS-SB-3S

Time chart

Timer setting is variable

ALARM STAGE

90sec
(0~180)   3rd STAGE REMOTE AUDIBLE ALARM (CREW CALL)

15sec   2nd STAGE REMOTE AUDIBLE ALARM (OFFICER CALL)

15sec   1st STAGE AUDIBLE ALARM (BRIDGE AUDIO)

12min
(3~12)   VISUAL INDICATION (RESET SWITCH FLICKER)

RESET   TIME

SANSHIN ELECTRIC CORPORATION

Security product

iWAS-100 Series Detail of Devices

Basic components

Control Panel
iWAS-100-CP

Relay Terminal Board
iWAS-100-TB
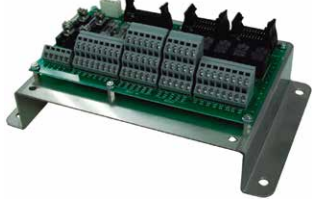
Power Source	Main	AC100～220V 1φ	
	EM'cy	DC24V	
Consumption		Max 30VA	
Buzzer		Max 30Pcs	
Dimension/Mass	Control panel	W144×H144×D65	0.5kg
	RY Terminal board	W240×H100×D150	2 kg
Connection cable		5m	
Code No.		Iwas-100-CP : A210000008 Iwas-100-TB : A210000009	

Selector Panel iWAS-100-SP

Power Source	DC24V
Line select	4Lines
Dimension	W72×H144×D65
Mass	0.3kg
Connection cable	1m (Attached)
Code No.	A210000010

Electronic Buzzer iWAS-SB-3S
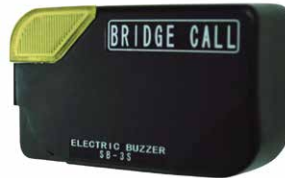
Power Source	DC24V 0.04A
Sound level	85dB / Over1m
Protection grade	IP2X
Dimension	W90×H55×D30
Mass	0.1kg
Code No.	A210000012

Reset Switch with buzzer (Panel Mount) iWAS-RSWB-P01

Power Source	DC24V 0.04A
Sound level	83dB / Over1m
Protection grade	IP22
Dimension	W82×H82×D77
Mass	0.1kg
Code No.	A210000013

Reset Switch with buzzer (Wall Mount Water Proof) iWAS-RSWB-WT01

Power Source	DC24V 0.04A
Sound level	83dB / Over1m
Protection grade	IP56
Dimension	W120×H111×D100
Mass	0.5kg
Code No.	A210000015

Reset Switch with buzzer (Wall Mount) iWAS-RSWB-W01

Power Source	DC24V 0.04A
Sound level	83dB / Over1m
Protection grade	IP22
Dimension	W82×H82×D84
Mass	0.5kg
Code No.	A210000014

Wall Mount Box iWAS-WBOX-01

Dimension(Tapestry)	W320×H430×D170
Dimension(embedding)	W390×H500×D170
Protection Grade	IP44
Mass	6kg
Code No.	A210000017

Built-in iWAS-100-CP/SP/TB

Motion sensor iWAS-MS-W01

Power Source	DC24V 0.02A
Range	MAX 5m
Protection grade	IP2X
Dimension	W100×H55×D85
Mass	0.5kg
Code No.	A210000016

Security product

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