MTB-1200 Talk Back / Paging System

Talk Back Paging System

GENERAL DESCRIPTION

The Talk Back System enables free broadcasting and telecommunication in a particular area such as deck and machinery areas in the offshore. All substations can be connected to the PA/GA and the PABX system as well. Substations include four types : Flush, wall, waterproof and explosion-proof types, all of which can be interfaced to the Horn/Bell/Flashing Light, and the Foot Switch. This system has the function for both call in all and call in group and of the automatic switching of power between main and emergency supplies. This system was tested at the IEC60945 standard and approved for CE by DNV GL . The Type Approval was done by RMRS.

REGULATIONS:

(a) IEC 60079-0 (Explosive atmospheres 0 : Equipment general requirements)
(b) IEC 60079-1 (Explosive atmospheres 1 : Equipment protection by flameproof enclosures)
(c) IEC 60945 (Maritime navigation and radio communication equipment)
(d) Quality Management System, Certified by DNV

PRODUCT INFORMATION

SYSTEM FEATURES

- Max 11 substations, interface with PA/GA and intrinsically safe system
- Dry Contact Output Function for Horn, Bell, Flashing Light at Sub-Station
- All/Group Call and Priority Function (Pre-set Assigned)
- Automatic switch between main and emergency power source

ELECTRIC SPECIFICATIONS : MAIN AMPLIFIER UNIT

- Power Output : 200W / 400W / 800W, etc
- Frequency Characteristics : Less than 6dB (300 ~ 10kHz)
- Input Sensitivity : More than - 36dBm
- Distortion Ratio : Less than 5%
- S/N Ratio : More than 50 dB
- Source of Power : AC100 / 240V(50/60Hz), DC24V
- Power Consumption : Max. 20A, 250W (AC 220V)
  Max. 2.5A, 250WC (A220V)
- Input Fuse : AC 30A, DC 30A (In case of 250W)
- Operating Temperature Range : -15°C ~ +55°C
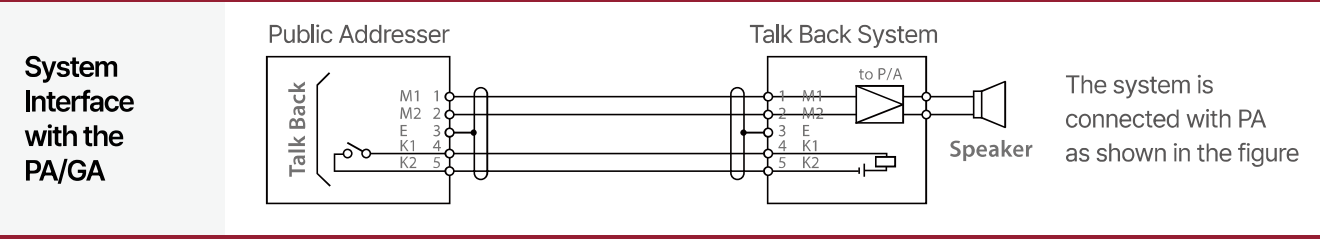- Operating Humidity : Less than 90%

▲ MTB-1200 MAIN CABINET

PRIORITY OF BROADCASTING

- This system is operated in the following order
- (This can be changed by demands)
- Microphone in the external public address system
- Remote station microphone broadcasting
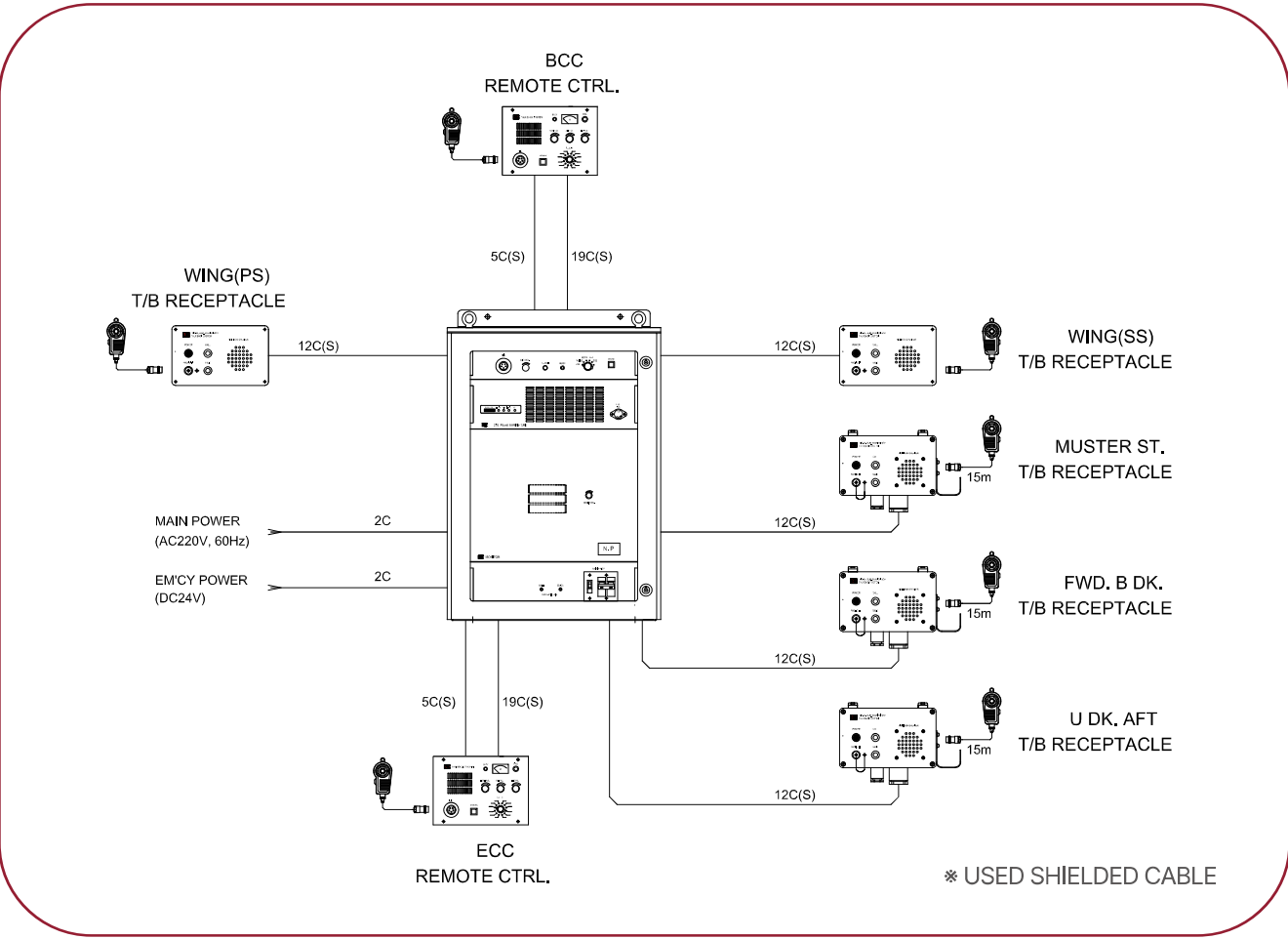- Main Microphone
- Substation

PRODUCT INFORMATION

System Interface with the PA/GA	**Public Addresser**	**Talk Back System**	The system is connected with PA as shown in the figure

Public Addresser — Talk Back: M1 1, M2 2, E 3, K1 4, K2 5 — Talk Back System: 1 M1, 2 M2, 3 E, 4 K1, 5 K2 — to P/A — Speaker

| TALK BACK / PAGING SYSTEM CONNECTION EXAMPLE

BCC REMOTE CTRL.

5C(S)   19C(S)

WING(PS) T/B RECEPTACLE

12C(S)   12C(S)   WING(SS) T/B RECEPTACLE

MUSTER ST. T/B RECEPTACLE   15m

MAIN POWER (AC220V, 60Hz)   2C

EM'CY POWER (DC24V)   2C

12C(S)

FWD. B DK. T/B RECEPTACLE   15m

12C(S)

5C(S)   19C(S)

U DK. AFT T/B RECEPTACLE   15m

12C(S)

ECC REMOTE CTRL.

※ USED SHIELDED CABLE

ACCESSORY TALK BACK CONNECTION BOX

MODEL	TB-3A/M	TB-3A/H
PHOTO		
Mounting Type	WALL	WALL
IP Grade	IP56	IP56
Gland	2	2
Dimension(WxDxH)mm	160×100×152	160×100×152
Material	POLYCARBONATE	POLYCARBONATE
Colour	GRAY	GRAY
Weight	1.6kg	1.6kg
Install Area	FCR	SGR

MODEL	TB-3B/M	TB-3B/H	TB-3B/C
PHOTO			
Mounting Type	FLUSH	FLUSH	FLUSH
IP Grade	IP56	IP56	IP56
Gland	X	X	2
Dimension(WxDxH)mm	160×28×120	160×28×120	262×92×162
Material	POLYCARBONATE	POLYCARBONATE	AL
Colour	GRAY	GRAY	GRAY
Weight	0.4kg	0.4kg	2.6kg
Install Area	FCR	FCR	MOORING

TB-6A/M	TB-6A/H
WALL	WALL
IP56	IP56
2	2
160×100×152	329×90×162
AL	AL
GRAY	GRAY
1.6kg	7.6kg
MUSTER	MUSTER

TB-6B/M	TB-6B/H
FLUSH	FLUSH
IP22	IP22
X	X
262×70×162	262×70×162
STEEL	STEEL
BLACK	BLACK
7.6kg	7.6kg
ECR	ECR