

PRODUCT DESCRIPTIONS

Sound Powered Telephone(LC-800)

Marine Sound Powered Telephone(LC-800)  
Battery less Telephone System

GENERAL DESCRIPTION

Sound Powered Telephone system is used for communicating with the wheel house, the engine control room, and the steering gear room in case of emergency and for communicating between the areas or rooms when necessary. Especially, being independent from the power supply of the vessel, this system allows for emergency communication at critical spots in the vessel even in case of power failure. It is manufactured to be a waterproof and dustproof appropriate for the vessel, and adopts the input power supply of 24V DC to deliver communications and signals (Bell, Lamp, Etc.).  
**This system includes the following types :** Flush, wall, waterproof, portable, and intrinsically safe (Used for normal condition or in the area with the possibility of explosive gas in case of accident) types, all of which can be interfaced to the Horn/Bell/Flashing Light, and the Foot Switch.  
The system was tested at the IEC60945 standard and approved for CE by CCS, RINA and DNV

Operations and Specifications

**Telephone Sets :**  
The sound power (Battery less) telephone consists of the direct and mutual selection types, and is divided into the following categories according to the purpose.

No.	Type	Name	1:1	1:12	1:24	Area
1	Desk	LC-711	O			Office, Cabin
		LC-812A		O		
		LC-822A			O	
2	Wall	LC-713C	O			Galley
		LC-713F	O			E/R, S/G/R(W/Sub-Rx)
		LC-713G	O			E/R, S/G/R(W/Headset)
		LC-814A		O		Mess Room
		LC-814B		O		Galley(Gland : 1EA)
		LC-814C		O		Galley(Gland : 2EA)
		LC-814E		O		FCS(Gland : 3EA)
		LC-814F		O		E/R, S/G/R(W/Sub-Rx)
		LC-814G		O		E/R, S/G/R(W/Headset)
		LC-824A			O	Mess Room(N.W.T)
		LC-824B			O	Galley(Gland : 1EA)
		LC-824C			O	Galley(Gland : 2EA)
		LC-824E			O	FCS(Gland : 3EA)
		LC-824F			O	E/R, S/G/R(W/Sub-Rx)
		LC-824G			O	E/R, S/G/R(W/Headset)
3	Flush	LC-715C	O			W/H or E.C.C/C.C.C
		LC-816A		O		W/H(W/Dimmer Sw.)
		LC-816C		O		ECR(W/Signal Kit)
		LC-826A			O	W/H(W/Dimmer)
4	Portable	LC-717	O			Bunker St, U/Dk P/S
		LC-818		O		Bunker St, U/Dk P/S
		LC-828			O	Bunker St, U/Dk P/S



Electric Specifications

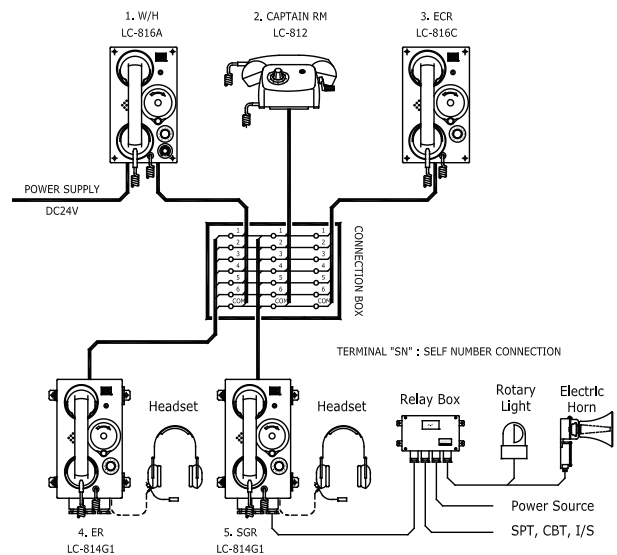
- 1. Compass Safety Distance : Min. 1-meter
- 2. Voice Transmitting Sensitivity : 0.2V ± 0.1Vrms
- 3. Frequency Characteristics : Less than 6dB (300 Hz ~ 3 kHz)
- 4. Generator Output Voltage : 75V ± 10%
- 5. DC power can be connected to this telephone for dimmer source only

Cautions

- 1. This telephone uses the power charged in capacitor for about 30 minutes.
- 2. Terminal Board "SN" : Connect to self-number.
- 3. Terminal Board "COM" : Common line of all telephones
- 4. Terminal Board "+, -" : If the relay box is not used, the bell, R/L and horn connected to the external power (AC/DC).

Mutual Selection Type (Max. 24 Station) - (LC-800)

- 1. Calling
  - a) Lift the handset and select the desired switch
  - b) Quickly rotate the handle of the magnetic generator for 10 times or more, and then the calling signal is transmitted to the receiver
  - c) The phones are now connected
- 2. Answering
  - a) The bell rings and the lamp blinks
  - b) Lift the handset
  - c) The phones are now connected



[ Wiring Diagram of Sound Powered Telephone System for 6-Station (LC-800) ]

Direct Type (1:1 Station) - (LC-700 Series Only)

- 1. Calling
  - a) Lift the handset and quickly rotate the handle of the magnetic generator for 10 times or more
  - b) Then, the calling signal is transmitted to the receiver
  - c) The phones are now connected
- 2. Answering
  - a) The bell rings and the lamp blinks
  - b) Lift the handset
  - c) The phones are now connected

