

# PRODUCT DESCRIPTIONS



## Common Battery Telephone(LC-600)

Marine Common Battery Telephone(LC-600)  
For Submarine and Navy

### GENERAL DESCRIPTION

Common Battery 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. It is manufactured to be a waterproof and dustproof system 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 DNV.

#### Operations and Specifications

##### Telephone Sets :

The common battery 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-511	O			Office, Cabin
		LC-612A		O		
		LC-622A			O	
2	Wall	LC-513C	O			Galley
		LC-613F	O			E/R, S/G/R(W/Sub-Rx)
		LC-613G	O			E/R, S/G/R(W/Headset)
		LC-614A		O		Mess Room
		LC-614B		O		Galley(Gland : 1EA)
		LC-614C		O		Galley(Gland : 2EA)
		LC-614E		O		FCS(Gland : 3EA)
		LC-614F		O		E/R, S/G/R(W/Sub-Rx)
		LC-614G		O		E/R, S/G/R(W/Headset)
		LC-624A			O	Mess Room(N.W.T)
		LC-624B			O	Galley(Gland : 1EA)
		LC-624C			O	Galley(Gland : 2EA)
		LC-624E			O	FCS(Gland : 3EA)
		LC-624F			O	E/R, S/G/R(W/Sub-Rx)
		LC-624G			O	E/R, S/G/R(W/Headset)
3	Flush	LC-515C	O			W/H or E.C.C/C.C.C
		LC-616A		O		W/H(W/Dimmer Sw.)
		LC-616C		O		ECR(W/Signal Kit)
		LC-626A			O	W/H(W/Dimmer)
LC-626C			O	ECR(W/Signal Kit)		
4	Portable	LC-517	O			Bunker St, U/Dk P/S
		LC-618		O		Bunker St, U/Dk P/S
		LC-628			O	Bunker St, U/Dk P/S



#### Electric Specifications (Telephone)

1. Operation Voltage : 24 ~ 32V DC (Min-Max)
2. Power Consumption : App. 0.7W, 30mA, at 24VDC (Standard)
3. Call Consumption : App. 24W, 1A, DC24V
4. In/Out Impedance : App. 600 Ohm
5. Speech / Side-Tone Amp. Gain : App. 25dB / -15dB
6. Operating Temperature/Humidity : -10°C ~ +40°C / less than 90%

#### Electric Specifications (Power Supply : MPS-050B)

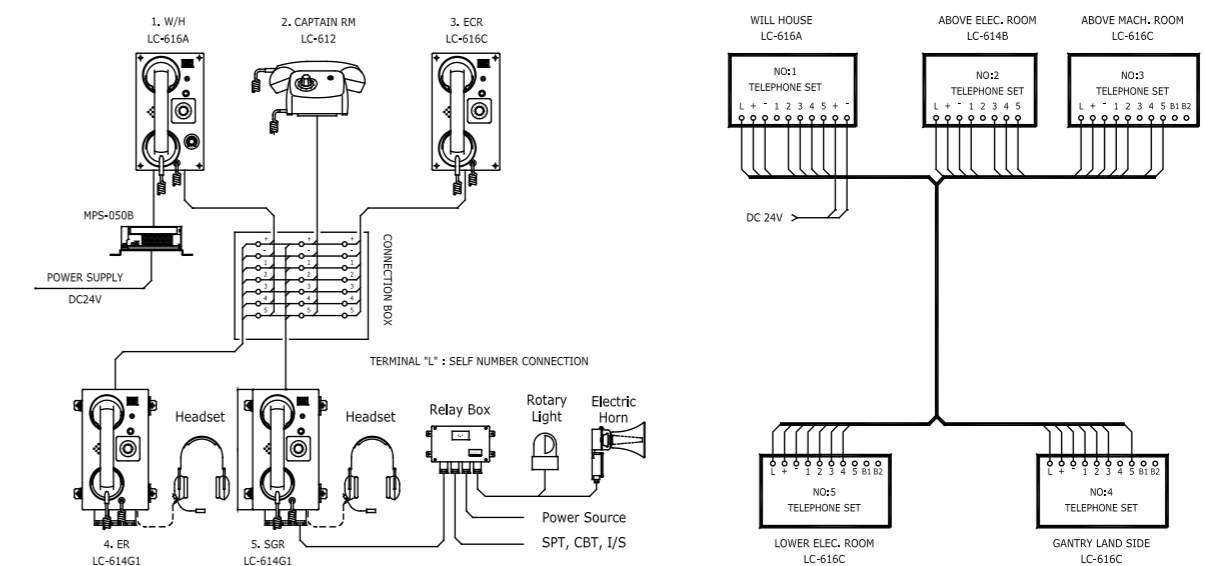
1. Operation Voltage : 19 ~ 36V DC (Min-Max)
2. Output Power : 24V DC, Max. 2.5A
3. Output Adjustment : 24V DC ±10%
4. Ripple Rejection Ratio : Min. 50dB
5. Operating Temperature Range : 0°C ~ +40°C
6. Operating Humidity : Less than 90%

#### Mutual Selection Type (Max. 24 Station) - (LC-600)

1. Calling
  - a) Select a receiving phone
  - b) If the handset is lifted, the call signal is transmitted to the selected slave station
  - c) If the receiver responds, now the phones are connected
2. Answering
  - a) The lamp blinks and the bell rings
  - b) Lift the handset
  - c) Now the phones are connected

#### Direct Type (1:1 Station) - (LC-500 Series Only)

1. Calling
  - a) Lift the handset and push the call button
  - b) Then, the call signal is transmitted to the receiver
  - c) If the receiver responds, now the phones are connected
2. Answering
  - a) The lamp blinks and the bell rings
  - b) Lift the handset
  - c) Now the phones are connected



[ Wiring Diagram of Common Battery Telephone System for 6-Station (LC-600) ]