

# 电梯对讲机四线制说明书

## Four-wire Elevator Intercom Instruction

### 1、前言Preface

- 1.1在 安装使用电梯专用对讲机前，请详细阅读说明书，并保留它作以后参考。  
Before installation and using the elevator intercom, please read this operating manual and hold for future reference.
- 1.2电梯专用对讲系统将在电梯应急或检修被应用，轿厢副机安装在每一个轿厢内，外置分机安装于轿顶，底坑，主机安装在机房控制柜壁、监控室、值班室等。  
Elevator intercom system will be applied to elevator emergency or overhauling the internal auxiliary intercom is installed inside each of the carriage control box. the external auxiliary intercom is installed on the carriage top and well bottom, and master intercom is in the machine room to control the cabinet wall, monitor room, duty room, carriage top and well bottom etc.
- 1.3此对讲机特点：噪音小、衰减小、声音响亮，此对讲机系统可实现多方通话。  
This intercom features low noise, little attenuation and loud sound, Furthermore, this intercom can implement multi-party calling.

### 2、操作Operation

- 2.1从轿厢副机呼叫主机时，按轿厢操作面板上的应急呼叫按钮，主机响铃，拿起话筒即可与轿厢对讲。  
If carriage auxiliary intercom calls the master intercom, press the Emergency Call button on carriage control panel, then the buzzer of master intercom makes noise, then pick up the headphone to communicate with carriage.
- 2.2对讲主机对轿厢对讲时，拿起话筒即可与电梯轿厢副机通话。此时对讲状态指示灯亮。  
pick up the headphone to makes a call from master intercom to auxiliary intercom of elevator carriage. At the time, the status of the inductive light is on (in red).
- 2.3主机间呼叫时，拿起听筒按主机呼叫键，其它主机响铃并亮指示灯，拿起听筒即可通话。  
When making calls among master intercom, pick up headphone and press Master intercom Reverting Call button, the buzzers of the main machines make sound and the indicative lights light, then pick up the headphone to make calls.

### 3、主要参数Parameters

- 3.1 工作电压 Working voltage: DC12V(6V)
- 3.2 响铃声级 Ring level:  $\geq 70$ dB
- 3.3 噪音电压 Noise voltage:  $\leq 10$ mV

### 4、使用条件 Workng Conditions

- 4.1 环境温度 Environment temperature:  $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$
- 4.2 环境噪音 Environment noise: 60dB
- 4.3 相对湿度 Relative humidity: 20%~95%
- 4.4 布线数 Number of wiring: 4
- 4.5 配线说明 Introduction about distribute of wires

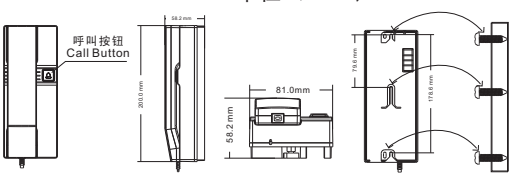
导线截面积(单位:mm) Wire cross-Sectional area	0.3	0.5	0.75
通话距离(单位:m) Call Distance	$\leq 1000$	$\leq 2000$	$\leq 3000$

### 5、线材要求 Wire Requirements

要求所有连接线采用国标线、多芯平线即可满足一般工程要求。当走线与强动力线等干扰严重的环境混合布线时，则应采取屏蔽措施。  
Requires that all wire connections use the international standard line, multi-core parallel lines to meet the needs of the general engineering requirements. when crossing wires and strong power lines become a serious environmental interference while mixed wiring, shielding measures be taken.

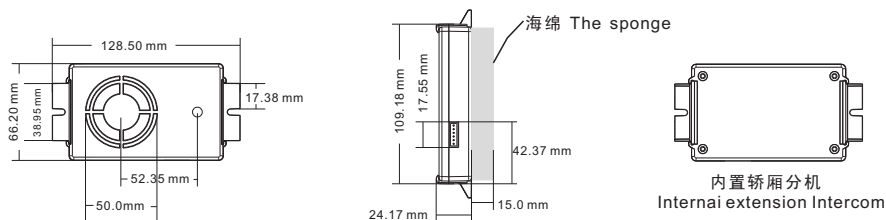
### 6、安装Installation

主机安装示意图 单位 (unit):mm



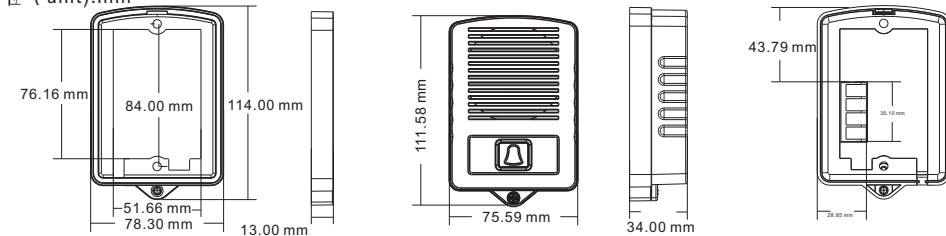
- 6.1在控制柜壁钻上下相距79.6mm或178.6mm,  $\phi 4$ mm $\times 2$ 的安装孔。  
Drill two installing holes of  $\phi 4$ mm with distance of 79.6mm or 178.6mm in side wall of control cabinet.
- 6.2在主机底面接好线，把主机挂在柜壁上。  
Connect wires in the bottom of master intercom. Hang the master intercom in bottom base.

轿厢副机安装尺寸意图 Sketch for Installing Size of The Auxiliary intercom 单位 (unit):mm

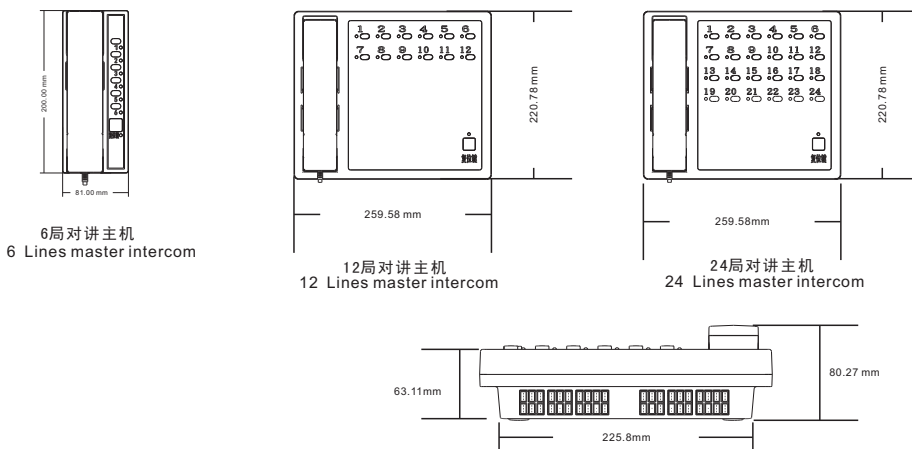


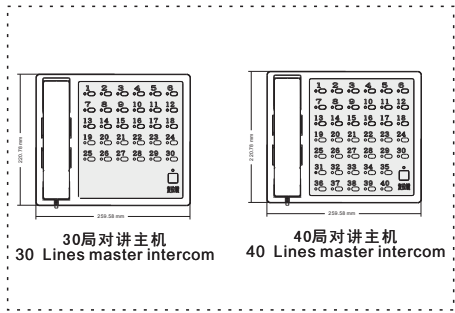
- 6.3把轿厢安于轿厢操纵箱内，安装时要预留传声孔。  
Install the internal auxiliary intercom to the carriage control box and preserve transferring holes before installation.
  - 6.4按上图把从机房对讲主机来的连线对应撞上k1, k2接呼叫按钮。  
Connect the wires of the master intercom in machine room according to the picture above. Eb1 and Eb2 are connected with Call button.
  - 6.5按对讲呼叫按钮，呼叫主机，试听对讲主机声音是否良好。如果有“嗡嗡”响，请检查扬声器各麦克风传声口是否封住。  
Press Emergency Call button of the master intercom for checking, if there is "hum-hum" sound, please check whether the speaker and MIC sound-transfer port are blocked.
- ### 7、对讲外置分机 External extension intercom

单位 (unit):mm



### 8、多局电梯对讲系统示意图 Sketch for Multi Elevator Intercom System





- 9、多局交换机XL-MNB401\*A操作说明。  
Operational explanation for Multi Lines Master Intercom XL-MNB401/A
- 9.1产品名称Product Name 多局对讲主机  
Multi Lines Master Intercom
- 9.2产品型号 Product Model:XL-MNB401/A  
(A=12、24、30、40)
- 9.3工作电压Working Voltage:DC12V
- 9.4使用场所Suitable place  
监控室monitoring room
- 9.5操作说明Operational Explanation

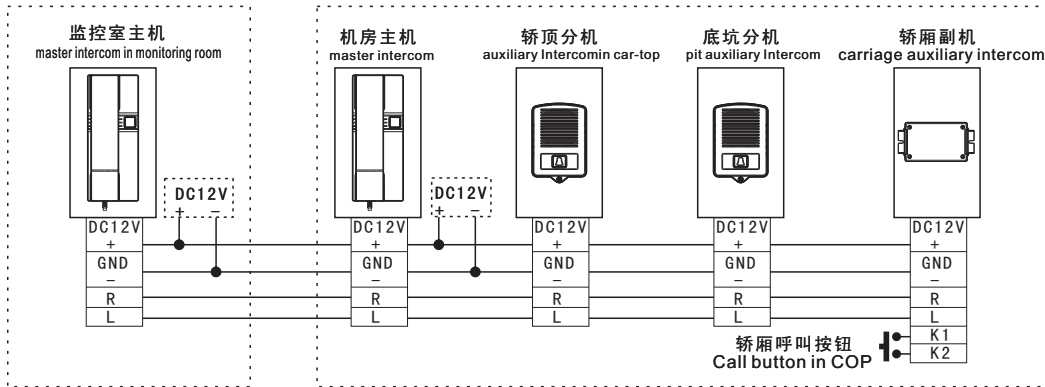
9.5.1本监控主机必须配DC12V电源，接于（+，-）端。  
The monitoring master intercom match with DC12V electrical source,and connect with (+, -).

9.5.2子系统呼叫主机时，主机响铃和对应指示灯亮，拿起话筒，按对应指示灯的按键即可对讲。  
Subsystems call host phone When host phone ring with indicator light, pick up the microphone and press the button of indicator light then it will be on the phone for conversation.  
Press the reset button to end the call.

9.5.3管理主机呼叫子系统时，拿起听筒，按子系统相应的呼叫键，即可与子系统轿厢实现对讲。  
Management host phone call subsystems Pick up the microphone, press corresponding calling button, it can be on the phone for conversation. Press the reset button to end the call.

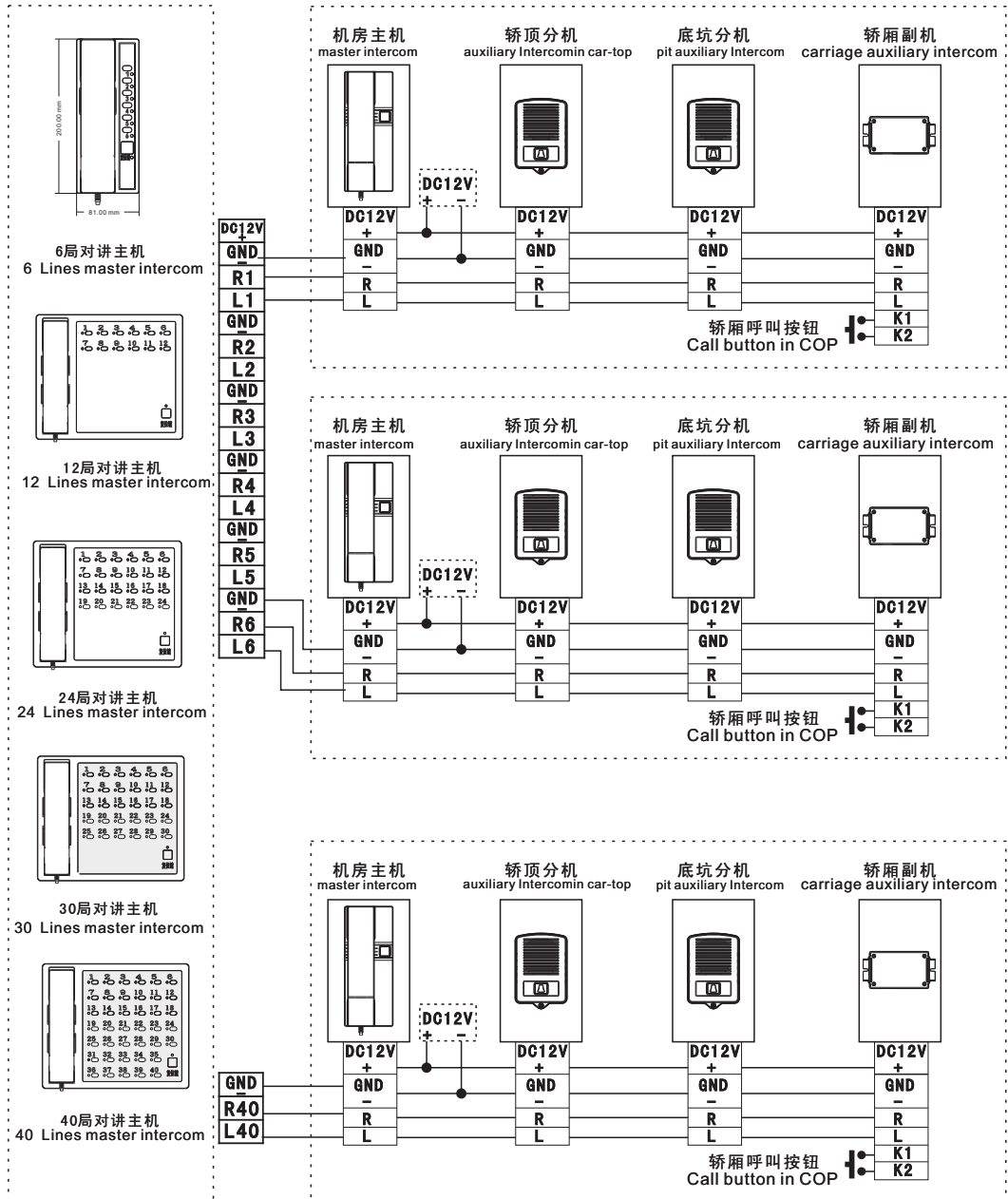
9.6指示灯及复位说明：当被呼叫后指示灯保持常亮,实现“来电显示”功能。挂机状态时，按复位键熄灭。  
Indicator Light & Reset Key Description:  
When calls calling in or after, indicator light would be keeping lighting. This is the calls (include missed calls) remind function. Press "Reset Key" to off the indicator light even picked up the phone.

10、单局五方对讲系统示意图Wiring diagram for single Lift Intercom system:



附注：单台时监控室主机可与每一个系统共用一个DC12V电源。  
Annotation:The monitoring master intercom can use the DC12Vpowersupply independently, with every subsystem when in is one.

11、多局分线制五方对讲系统示意图  
Wiring diagram for multi Lift Intercom system



附注：监控室主机使用独立DC12V电源，每一个子系统必须使用一个DC12V电源。  
Annotation:The monitoring master intercom must use the DC12Vpowersupply independently, and every subsystem must connect with DC12V power supply.