

# **Conventional LCD Monitor Lift**

## **Operation Manual**

**Science and technology based on the people-oriented concept**

**Intelligent service equipment with human nature**



**Please check the protective grounding connection**

**Remove the screw on the rear panel of the lifter**

## **LCD Monitor Lift Operation Manual**

### **I. Product**

**LCD Monitor Lift** (hereinafter referred to as “lifter”) is designed for high class multipurpose conference room. When a regular meeting is held, the LCD will be hidden inside the conference table, to keep the table clean and neat; when a multimedia meeting is held, based on different needs, LCDs might be lifted independently, partially or fully, for the display of multimedia information, including the content of meeting, information prompt, image information, etc.

The control of **LCD Monitor Lift** may be set based on the demands of different conference into independent control or grouping control.

### **II. Functions and characteristics**

1. The moving up, down, forward and backward may be controlled freely by the buttons on the control panel of the lifter, the remote controller or the central controller.
2. When the lifter is moved to the highest limit, the LCD will have an elevation angle automatically.
3. When the LCD moves down, the lifter will close automatically.
4. When the lifter moves down, the anti-pinch function for the turnover door will be turned on.
5. The lifter may be controlled remotely via RS232 / RS485 protocol.

### III. Packing list

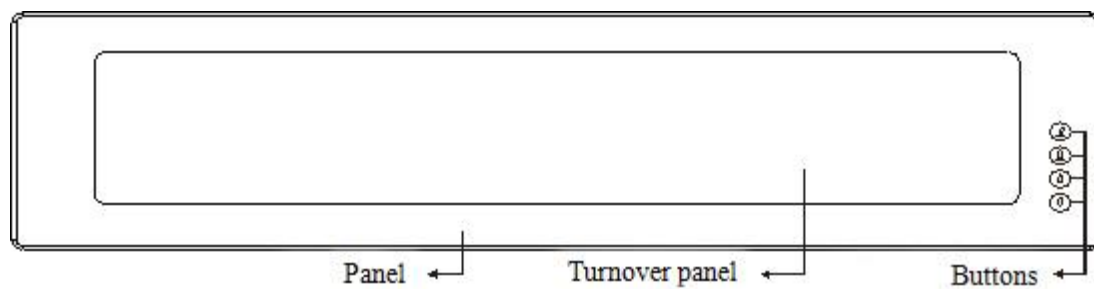
1. One **LCD Monitor Lift**.
2. One remote controller.
3. One power cord.

### IV. Technical parameters

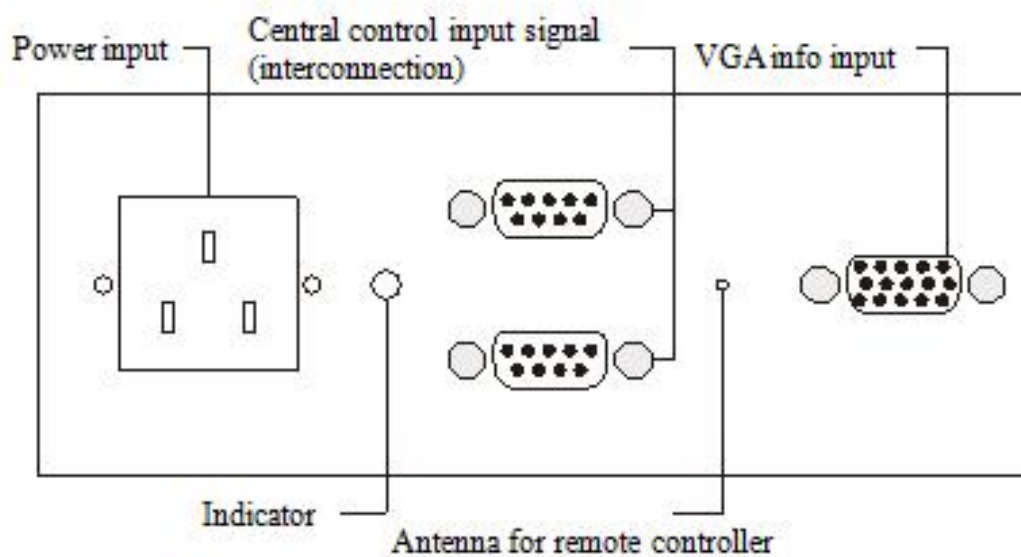
1. Method of control:
  - (1) Manual control on the panel;
  - (2) Wireless 315M remote control;
  - (3) Central control system via RS232 / RS485 protocol.
2. Distance of remote control: 30M
3. Angle of elevation of LCD:  $\leq 12$  degree
4. Working temperature: 0~45°C
5. Relative humidity: no more than 80% (20±5°C)
6. Color: Black aluminum alloy, original aluminum alloy color
7. Weight:  $\leq 7$ KG
8. Power supply: (1) Voltage: AC220V±10%, 50HZ;  
(2) Maximum power: 25W.

### V. Unit description

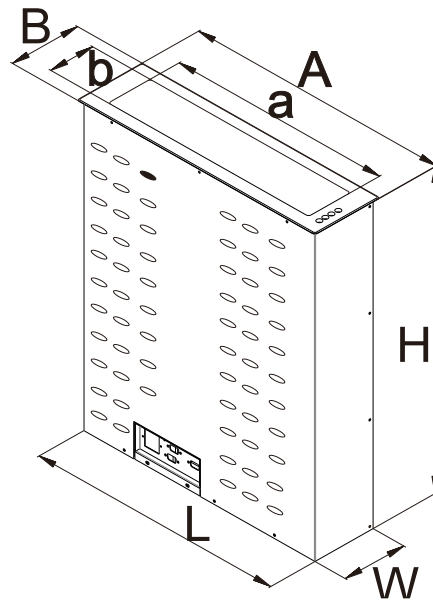
1. Panel



## 2. Terminal plate



## 3. Dimension



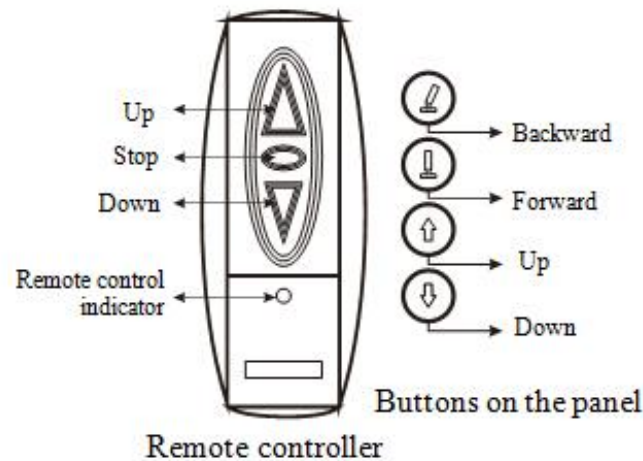
Size Model	(A x B) Panel (mm)	(a x b) Inner hole	(L x W x H) Cabinet	LCD (mm)	Recommended hole size (mm)
17 inch	495 x 130	420 x 83	483 x 117 x 590	≤410 x 65 x 360	485 x 119
19 inch	555 x 130	480 x 83	543 x 117 x 665	≤470 x 65 x 360	545 x 119
22 inch	615 x 130	540 x 83	603 x 117 x 705	≤530 x 65 x 360	605 x 119
Customized <b>LCD Monitor Lift</b> based on the size of LCD is also available.					

## VI. Installation description

1. Remove the screw on the rear panel of the lifter.
2. Put the lifter vertically into the prefabricated hole of the table.
3. Connect the lifter to power supply, run the lifter by moving it up and down for 1-3 times to make sure that the lifter works normally, and install the LCD.
4. Remove the original base of the LCD.
5. Use the original screws to fix the LCD onto the retainer plate of the lifter.
6. Troubleshooting after installation:

- (1) Check if the power is connected.
- (2) Check if the indicator on the terminal plate is on.
- (3) Check if the remote controller is loaded with battery; press the buttons on the panel for test.

## VII. Smart control description



### 1. Manual control on the panel



Operation instructions: are single contact button switches, are long contact switches. When is pressed and the lifter moves down, press any of to stop; when is pressed and the lifter moves up, press any of to stop.

### 2. Remote control

(1) After turning on the lifter, press at the same time for 5 seconds until a sound from the buzzer is heard, then release the buttons; the lifter is in remote control study mode; press any button on the remote controller until two sounds from the buzzer are heard, indicating that remote control study is completed; if no remote controller signal is input within 10 seconds, after a sound from the buzzer is heard, the lifter will quit the study mode.





(2) After turning on the lifter, press   at the same time for 10 seconds until three sounds from the buzzer are heard, then release the buttons, to empty all control codes stored for remote controller.

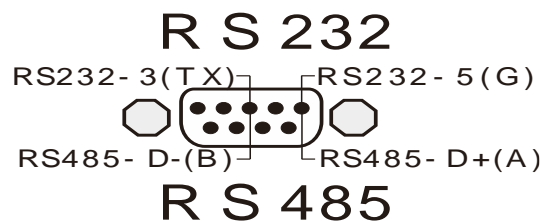
(3) When the lifter is not at its highest limit: press the UP, STOP or DOWN button on the remote controller to make the lifter move up, stop or move down.

(4) When the lifter is at its highest limit: press the UP, STOP or DOWN button on the remote controller to make the lifter move backward, stop or move forward.

(5) Six groups of remote control code may be stored in a lifter. If it studies more than six groups, the lifter will replace the earliest one in order. Let the lifters of the same group study the same control code, to realize independent control and grouping control.

### 3. Central serial port control

#### (1) Way of connection



#### (2) Data transmission terminal parameter

Baud rate:            9600

Data bit:             8bit

Check bit:            NONE

Stop bit:             1bit

#### (3) Hexadecimal control code

Set the serial port address: FF 10 11 \*\* AA..... (repeat five times)



Down: FF 10 11 \*\* DD..... (repeat five times)

Up: FF 10 11 \*\* EE..... (repeat five times)

Stop: FF 10 11 \*\* CC..... (repeat five times)

Note: \*\* is for address code; 00 is for public address code (i.e. full code control), 00 is ex-work default address code, which may be used to log in directly.

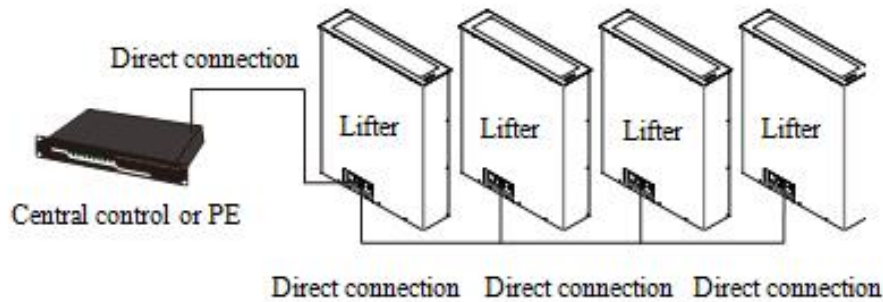
#### (4) Study address code

After turning on the lifter, press   at the same time for 5 seconds until a sound from the buzzer is heard, then release the buttons; the lifter is in central control serial port address code study mode; the main unit of central control gives an order to set the serial port address: FF 10 11 88 AA (e.g. to set “88”); after the order is received by the lifter, three sounds from the buzzer will be heard, indicating that the setting is completed; if no serial port setting order is received in 10 seconds, the system will quit after a sound from the buzzer is heard.

#### (5) Grouping control

Set the lifters of the same group to study the same address, use public address code for full control.

#### (6) Series connection diagram for lifter control wires



#### 4. Troubleshooting for smart control

##### (1) Malfunction of remote controller

- i. Check if the remote controller is loaded with battery (23A / 12V).
- ii. Make the remote controller to restudy according to the operation instructions.
- iii. Pull out the receiving antenna of the remote controller as long as possible to the gap of table.
- iv. Contact the supplier if the problem still exists after the above three steps.

##### (2) Malfunction of central control serial port

- i. Check the connection of serial port, use parallel wire.
- ii. Use RS232 for communication of less than 8 units and 15 meters, otherwise use RS485.
- iii. Check the data parameter carefully and make sure the baud rate of 9600.
- iv. Check if the control code is consistent with the operation instructions, check the address code, or try public address code.
- v. Make the remote controller to restudy the address code.

vi. Contact the supplier if the problem still exists after the above steps.