1. Function

- Hall call input
- Alarm button input & Alarm indicator output

2. Port definition and technical specification

Name	Position	Definition	Usage	Interface Tech Spec	
				Interface Type	Rated Capacity
J1	J1-1	24V input	Power & COMM Interface		150mA
	J1-2	24V input ground			
	J1-3	CAN bus H			
	J1-4	CAN bus L			
J2	J2-1	Up call answer output	Up call input button & answer output	OC gate	DC24V、20mA
	J2-2	24V			
	J2-3	24V			
	J2-4	Up call input			
J3	J3-1	Down call answer output	Down call input button & answer output	OC gate	DC24V、20mA
	J3-2	24V			
	J3-3	24V			
	J3-4	Down call input			
J5	J5-1	Red alarm indicator output	Alarm indicator output (Red & Green) and Spared output	Relay	DC5A24V AC5A250V
	J5-2	Green alarm indicator output			
	J5-3	Alarm indicator output common			
	J5-4	Spared output A			
	J5-5	Spared output B			
	J5-6	24V	Power output		100mA[*2]
	J5-7	24V ground			
J6	J6-1	Spared answer output	Alarm or confirm button input, Spared answer output	OC gate	DC24V、20mA
	J6-2	24V			
	J6-3	24V			
	J6-4	Alarm or confirm button input[*1]			
J7	J7-1	Spared answer output	Spared input button & answer	OC gate	DC24V、20mA
	J7-2	24V			
	J7-3	24V			
	J7-4	Spared input			

S1	Jumper of CAN communication terminal resistance	P	Program port
JC	Test jumper		
AN	Setting button	SZ	Setting jumper
EN	Spared		

*1: While Address is set to “0”, this port become alarm input; While address is not “0”, this port become confirm input;

*2: Over Rate Current may cause group LOP board work improperly. If working current of external device is big, external 24V power is suggested.

3. Dimension (unit: mm)

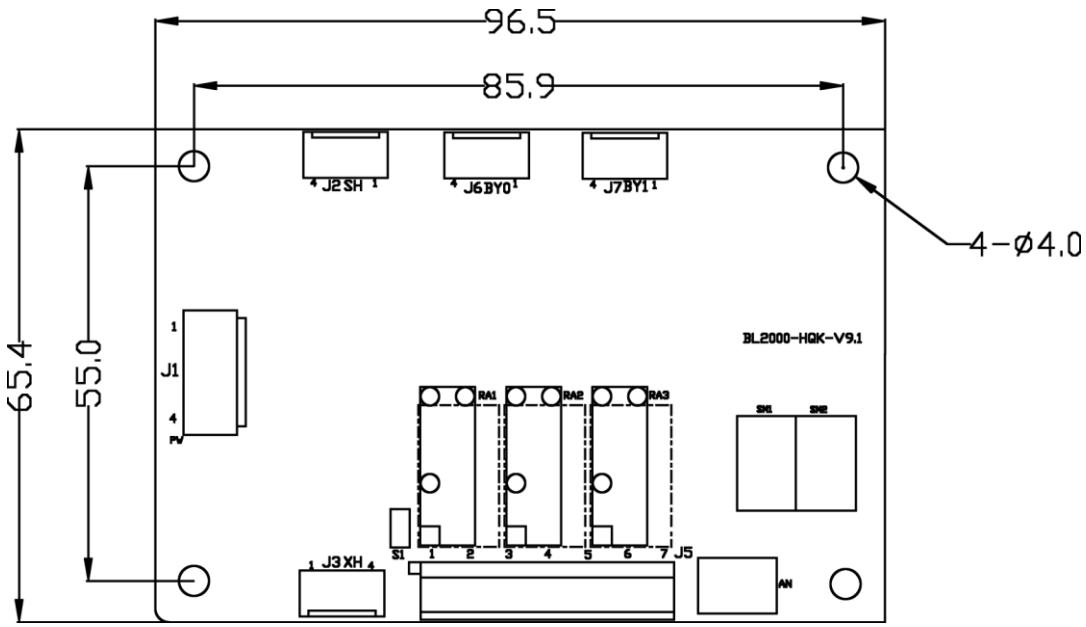
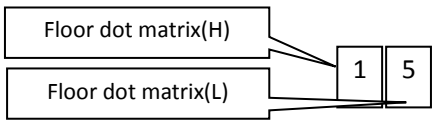


Figure 3.1 Dimension

4. Floor address setting

Keep press setting button(AN) or short setting jumper, after 2 seconds it will enter floor address setting interface.

After entering this setting, seven-segment display will show current address setting and flicker. For example,



15 means address value.

While used as LOP board, address correspond to floor number. That is to say the address of bottom floor call board should be “1”, others’ address increase by degrees until the top floor. The maximum address should not beyond 64. While used as car display board, the address should be set to “0”.

While there are independent controllers of rear door and front door, the address of rear door call board should be started from “33”, and so on, the maximum address can not beyond 64.

While used as disabled LOP board, LOP address start from 33, and so on, maximum address cannot beyond 64.

Note 1: While used as disability LOP board, disability function should be enabled, and two door mode must be 0.

Note 2: While used as alarm input calling board, address should be “0”; While used as confirm input LOP board, address should be set according to physical floor, at this time up & down call function is available.

4.1 Setting Method 1

Keep press setting button (AN), after 2 seconds seven-segment display shows current value. After 3 times flicker, it enters address setting. The address will add 1 until 64 and loop after press setting button or keep press setting button.

After setting address, release button for over 2 seconds, the address will flicker and save. Then the call board enters to normal mode.

4.2 Setting method 2

Short setting jumper, after 2 sec it will show current address. After 3 times flickers, it enters to address setting mode. Press Up call or Down call button to change address.

Remove jumper on SZ, the address will flicker for 3 times and save setting, then call board enters to normal mode.

5. Function setting

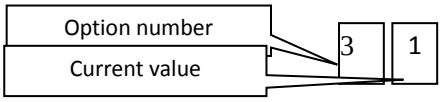
5.1 Enter function setting

Select a nearest call board, cut off power (remove J1). Short jump test jumper JC and enable jumper EN. After power on, it will enter function setting.

5.2 Function setting operation

After entering function setting, segment display will show custom number and software version in turn. While showing “U”, the number in seven-segment is current custom number. While showing “P”, the number in seven-segment is program version. Press “AN” button to enter function setting.

In function setting interface, seven-segment shows option number in the left and current value in the right. For example,



3: Option number, means button background LED setting.

1: Current value is 1, means with Background LED.

Pressing AN button will switch option number. Press up call SH and down call XH to alter current value.

5.3 Save and transmit setting

After setting complete, you need save current setting (For detail, see 6.5) of current call board.

If you want to update and synchronize all call board setting, you can enter “Transmit setting” option in attendant mode and static status after saving (For detail, see 6.6) and send setting results to other call board.

5.4 Exit setting

Remove test jumper JC and enable jumper EN, then the call board enter to normal mode.

If removing jumper before transmitting and saving setting, all function settings will not be changed.

6. Setting Option

6.1 Option 0 – Door Open Limit Setting

Set door open limit type according to actual condition

N value: 0 Normal Close (NC)

1 Normal Open (NO)

Default setting: 0

6.2 Option 1 – Spared Setting

Default setting: 0

6.3 Option 2 – Spared Setting

Default setting: 0

6.4 Option 3 – Button background LED setting

N value: 0 No background LED

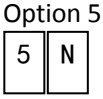
1 With Background LED

Default setting: 0

6.5 Option 4 – Save setting

Press Up call button and down call button at same time. After 3 seconds, N start to flicker and N change from 3 to 0. That means saving is successful.

6.6 Option 5 – Save and transmit setting



Press Up call button and down call button at same time. After 3 seconds, N start to send and transmit setting, totally send 3 times. During transmitting N shows left times.

N flicker from 3 to 0, that means already transmitting settings to other call board in system, otherwise it means failure.

Note1: This function must be operated in attendant mode and the elevator must stop; otherwise other call board will not receive the settings.

Note2: If there are call boards of other model in the same communication net, in other conditions except Note 1 this operation may influence parameter setting of call board of other models.

7. Wiring diagram

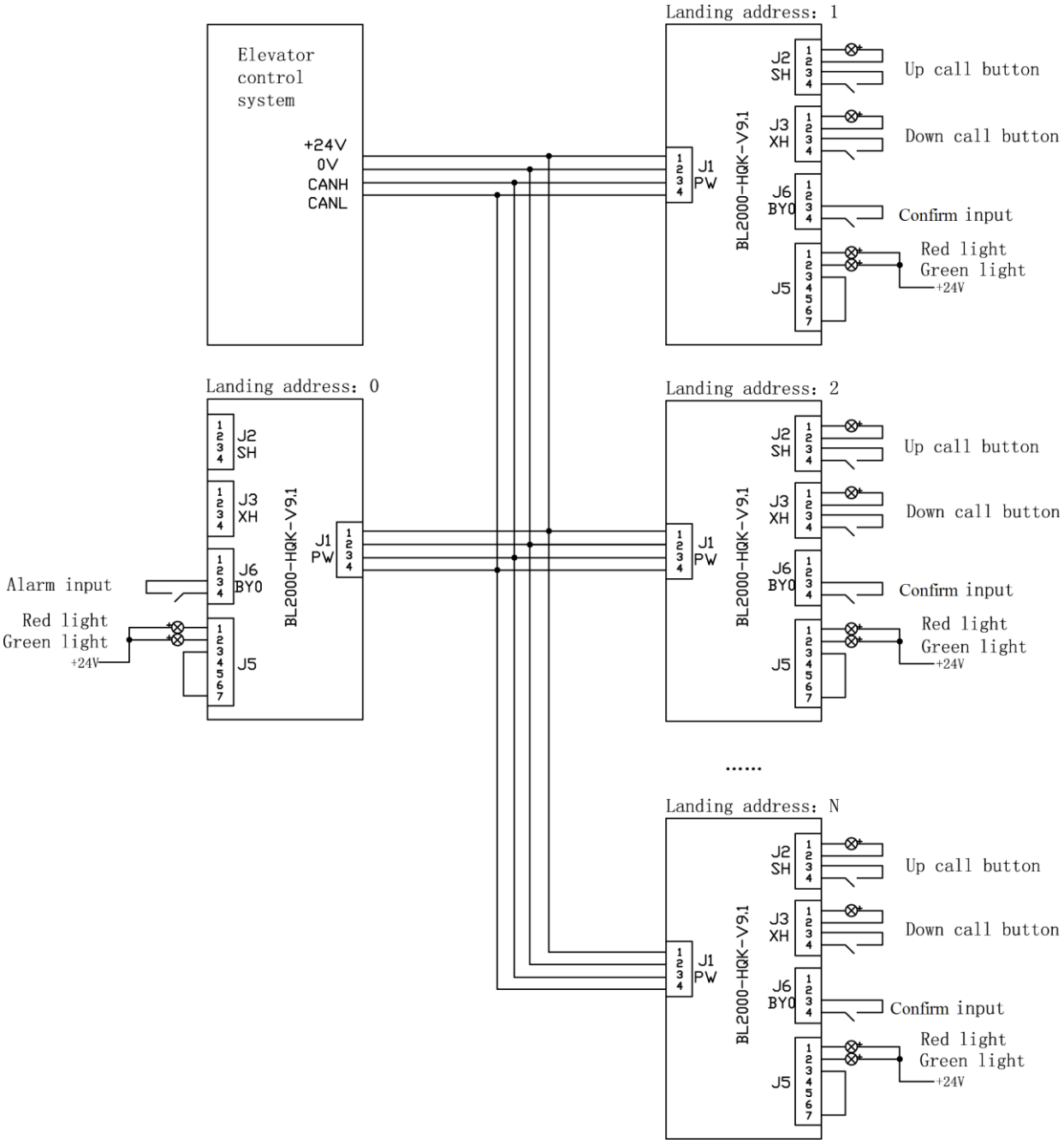


Figure 7.1 Red & Green indicator use independent power supply

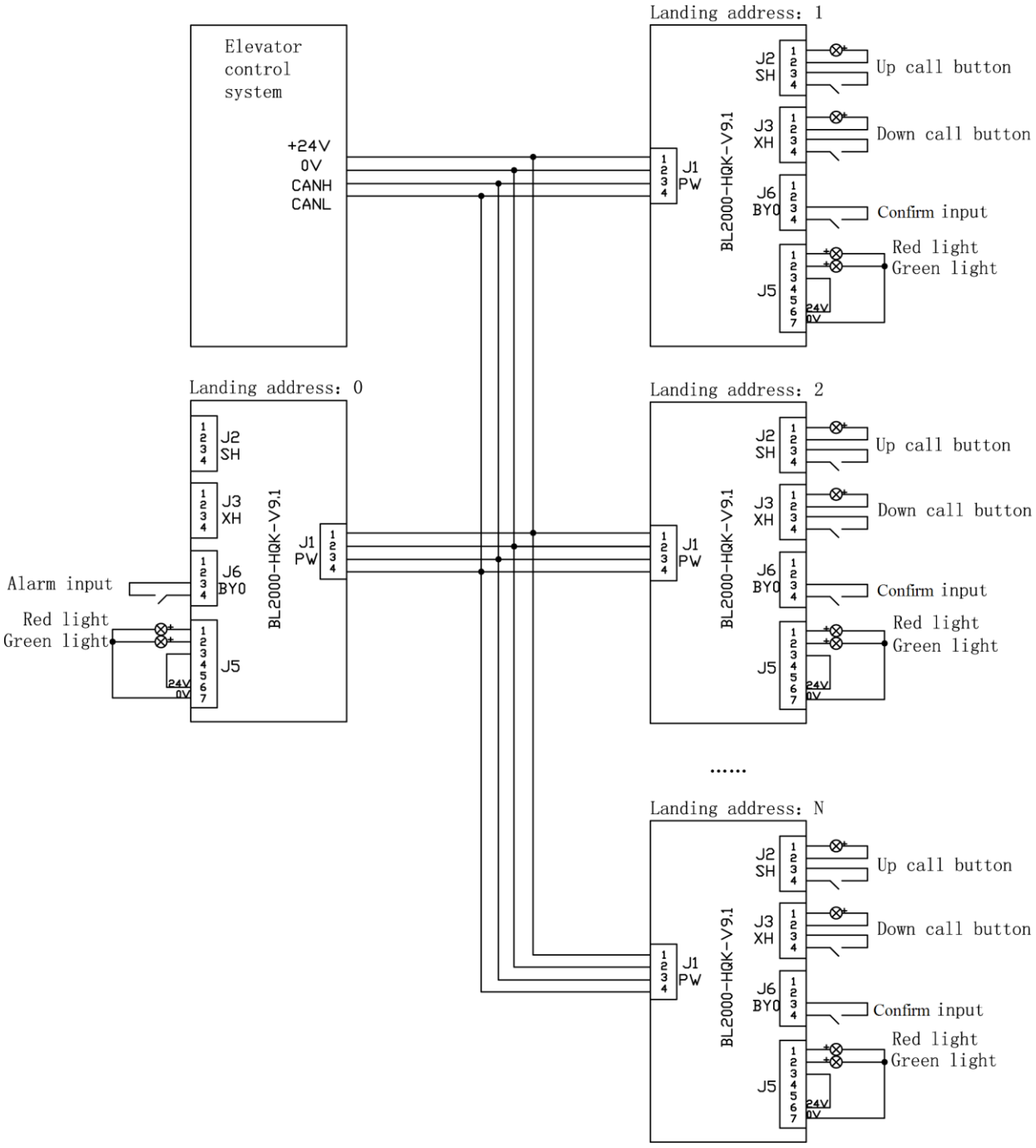


Figure 7.2 Red & Green indicator use on-board 24V(J5-6) power supply

Note 1: While using group LOP board in cabin, the address should be set to "0". BY0 Input (J6-3 and J6-4) becomes car alarm input. While using group LOP board for landing, the address should be set according to physical floor of actual installation (1~64), then BY0 (J6-3 and J6-4) becomes landing confirm input.

Note 2: The rated current of 24V output pin (J5-6) on group LOP board is 100mA, so if external device current exceeds this rated current, it will cause group LOP board working improperly. If the current of external device is big, we suggest following Figure 7.1 and use extern power supply.