

1. Introduction

BL2000-HZB-V1 COP & Parallel Landing Call Convert Board has the following main functions:

- (1). This board can be used for both COP and parallel Landing call input & response; Two mode is switched by DIP-Switch.
- (2). 7-segment floor display output and elevator status output;

2. BL2000-HZB-V1 Picture and Dimension

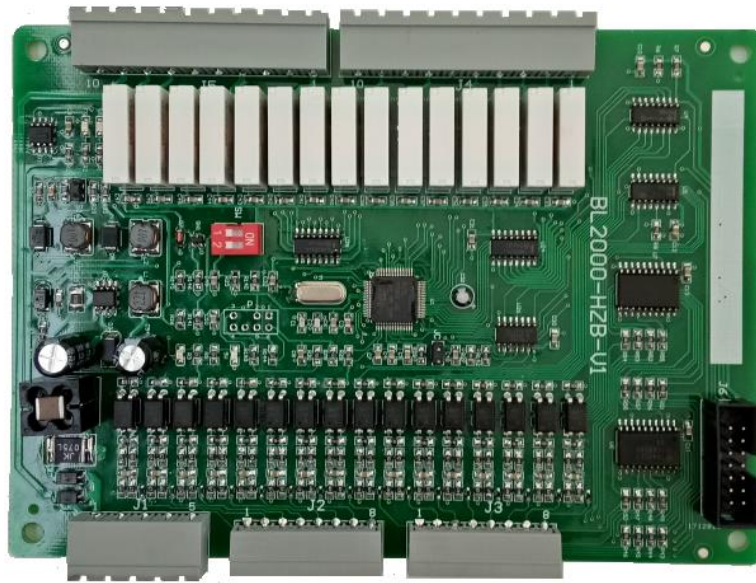


Figure 2.1 BL2000-HZB-V1 Front View

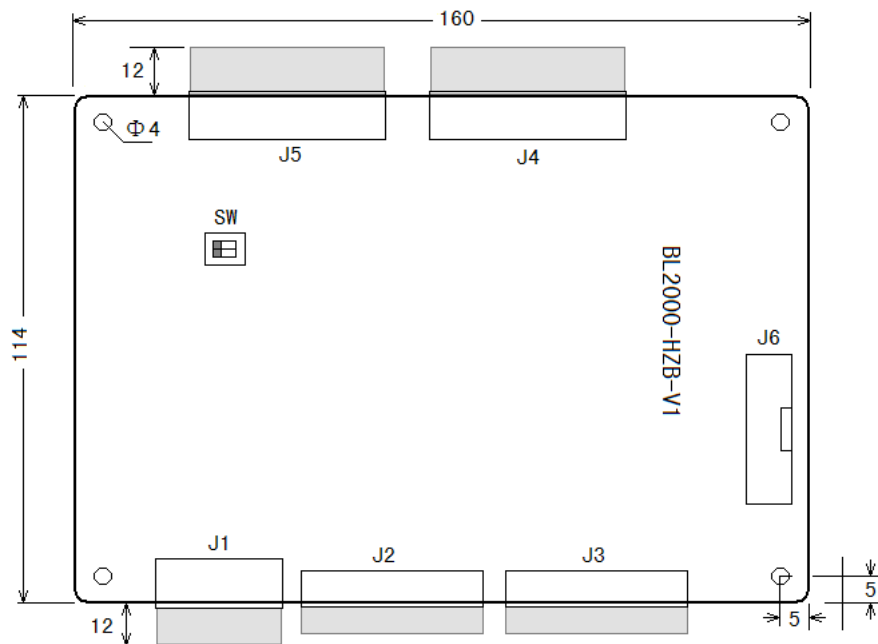


Figure 2.2 BL2000-HZB-V1 Dimension

3. Terminal Definition

Table 3.1 Terminal Definition and Specification

Terminal	Pin	Definition for COP Board	Definition for Convert Board	Specification	
				Type	Capacity
J1	J1-1	24V Input	24V Input	Power & Communication	
	J1-2	24V Ground	24V Ground		
	J1-3	CAN Bus H	CAN Bus H		
	J1-4	CAN Bus L	CAN Bus L		
	J1-5	24V Output	24V Output		
J2	J2-1	1 st Car call	1 st Up call of Single collective or 1 st Up call of Full collective	Opto-coupler Input	8mA
	J2-2	2 nd Car call	2 nd Down call of Single collective or 2 nd Down call of Full collective		
	J2-3	3 rd Car call	3 rd Down call of Single collective or 2 nd Up call of Full collective		
	J2-4	4 th Car call	4 th Down call of Single collective or 3 rd Down call of Full collective		
	J2-5	5 th Car call	5 th Down call of Single collective or 3 rd Up call of Full collective		
	J2-6	6 th Car call	6 th Down call of Single collective or 4 th Down call of Full collective		
	J2-7	7 th Car call	7 th Down call of Single collective or 4 th Up call of Full collective		
	J2-8	8 th Car call	8 th Down call of Single collective or 5 th Down call of Full collective		
J3	J3-1	9 th Car call	9 th Down call of Single collective or 5 th Up call of Full collective	OC Door Output	Current-limit resistor 560Ω
	J3-2	10 th Car call	10 th Down call of Single collective or 6 th Down call of Full collective		
	J3-3	11 th Car call	11 th Down call of Single collective or 6 th Up call of Full collective		
	J3-4	12 th Car call	12 th Down call of Single collective or 7 th Down call of Full collective		
	J3-5	Open Door Button	13 th Down call of Single collective or 7 th Up call of Full collective		
	J3-6	Close Door Button	14 th Down call of Single collective or 8 th Down call of Full collective		

Continue Table 3.1 Terminal Definition and Specification

Terminal	Pin	Definition	Usage	Specification	
				Type	Capacity
J3	J3-7	Light curtain	15 th Down call of Single collective or 8 th Up call of Full collective		
	J3-8	Overload input	16 th Down call of Single collective or 9 th Down call of Full collective		
J4	J4-1	J4-2~J4-10 Com	J4-2~J4-10 Com		
	J4-2	High bit Display “1”	High bit Display “1”	Relay Output	DC5A 24V AC5A 250V
	J4-3	High bit Display “-”	High bit Display “-”		
	J4-4	7-segment A	7-segment A		
	J4-5	7-segment B	7-segment B		
	J4-6	7-segment C	7-segment C		
	J4-7	7-segment D	7-segment D		
	J4-8	7-segment E	7-segment E		
	J4-9	7-segment F	7-segment F		
	J4-10	7-segment G	7-segment G		
J5	J5-1	J5-2,J5-3 Com	J5-2,J5-3 Com		
	J5-2	Up arrow	Up arrow	Relay Output	DC5A 24V AC5A 250V
	J5-3	Down arrow	Down arrow		
	J5-4	J5-5~J5-8Com	J5-5~J5-8Com		
	J5-5	Open Door Output	Inspection	Relay Output	DC5A 24V AC5A 250V
	J5-6	Close Door output	Park		
	J5-7	Lamp & Fan control	Fire		
	J5-8	Gone	Spared		
	J5-9	24V Output	24V Output	Power Output	
	J5-10	24V Input Ground	24V Input Ground		
J6	J6-1,2	Car Call Connection (1~32)	Landing Call Extension Connection	Extension Connection	
	J6-3,4				
	J6-5,6				
	J6-7 ~ J6-12				
	J6-13				
	J6-14				
SW	SW-1	OFF: Front COP Mode	OFF: Single collective	Function switch according to SW-2	
		ON: Rear COP Mode	ON: Full collective		
	SW-2	OFF: Convert Board Mode			
		ON: COP Board Mode			

Note:

1. While used as LOP convert board, if maximum floor less than 32 floors, landing call inputs of rear door will follow the last landing call input of front door. For example

Terminal	Single collective	Full collective
J2-1	1 ↑ (front door)	1 ↑ (front door)
J2-2	2 ↓ (front door)	2 ↓ (front door)
J2-3	3 ↓ (front door)	2 ↑ (front door)
J2-4	1 ↑ (rear door)	3 ↓ (front door)
J2-5	2 ↓ (rear door)	1 ↑ (rear door)
J2-6	3 ↓ (rear door)	2 ↓ (rear door)
J2-7		2 ↑ (rear door)
J2-8		3 ↓ (rear door)

If maximum floor is more than 32 floors, all landing call inputs become front door call.

2. While used as Car Top board

- ① Maximum support 30 car calls.
- ② In this program, there' s no attendant input, car top board program is fixed to "auto" , so when landing call input, there' s no car call flicking function for attendant mode.

3. Display

- ① Overload display : O→L→Floor Indication (Loop)
- ② Inspection : r
- ③ G Display : When floor indication is set as "G" or "GE" , segment display will show "G"