

1. Introduction

BL2000-HZB-V1.1 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-V1.1 Picture and Dimension

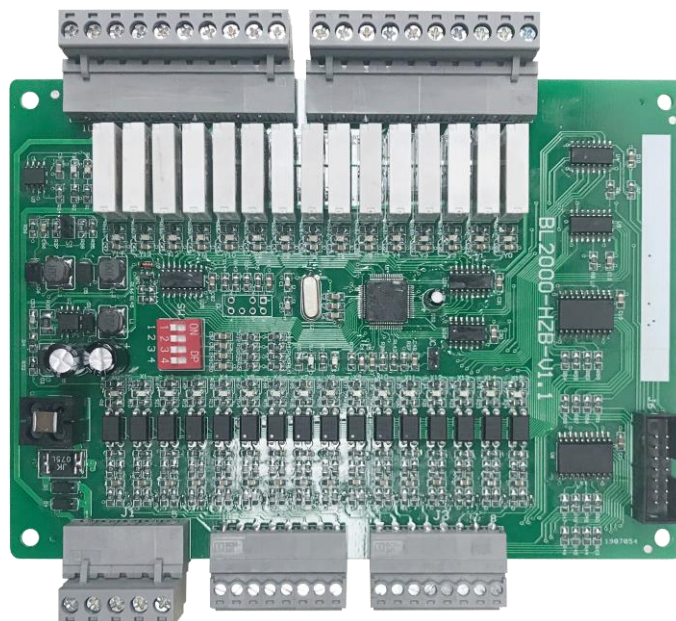


Figure 2.1 BL2000-HZB-V1.1 Front View

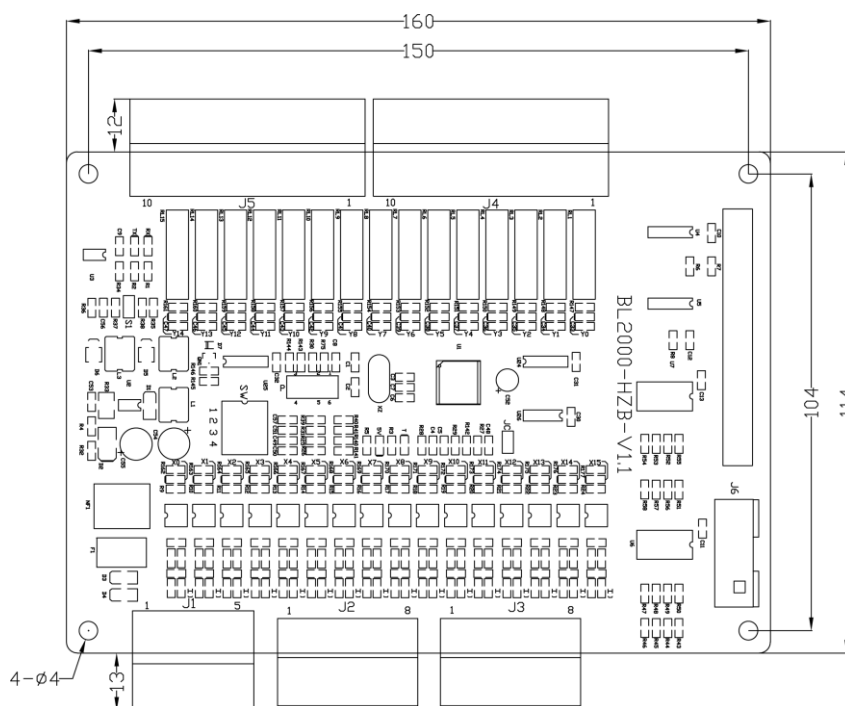


Figure 2.2 BL2000-HZB-V1.1 Dimension

3. Terminal Definition

Table 3.1 Terminal Definition and Specification

Terminal	Pin	Indicator	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	X0	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	X1	2 nd Car call	2 nd Down call of Single collective or 2 nd Down call of Full collective		
	J2-3	X2	3 rd Car call	3 rd Down call of Single collective or 2 nd Up call of Full collective		
	J2-4	X3	4 th Car call	4 th Down call of Single collective or 3 rd Down call of Full collective		
	J2-5	X4	5 th Car call	5 th Down call of Single collective or 3 rd Up call of Full collective		
	J2-6	X5	6 th Car call	6 th Down call of Single collective or 4 th Down call of Full collective		
	J2-7	X6	7 th Car call	7 th Down call of Single collective or 4 th Up call of Full collective		
	J2-8	X7	8 th Car call	8 th Down call of Single collective or 5 th Down call of Full collective		
J3	J3-1	X8	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	X9	10 th Car call	10 th Down call of Single collective or 6 th Down call of Full collective		
	J3-3	X10	11 th Car call	11 th Down call of Single collective or 6 th Up call of Full collective		
	J3-4	X11	12 th Car call	12 th Down call of Single collective or 7 th Down call of Full collective		
	J3-5	X12	Open Door Button	13 th Down call of Single collective or 7 th Up call of Full collective		
	J3-6	X13	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	Indicator	Definition	Usage	Specification	
					Type	Capacity
J3	J3-7	X14	Light curtain	15 th Down call of Single collective or 8 th Up call of Full collective		
	J3-8	X15	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	Y0	High bit Display "1"	High bit Display "1"	Relay Output	DC5A24V AC5A250V
	J4-3	Y1	High bit Display "-"	High bit Display "-"		
	J4-4	Y2	7-segment A	7-segment A		
	J4-5	Y3	7-segment B	7-segment B		
	J4-6	Y4	7-segment C	7-segment C		
	J4-7	Y5	7-segment D	7-segment D		
	J4-8	Y6	7-segment E	7-segment E		
	J4-9	Y7	7-segment F	7-segment F		
	J4-10	Y8	7-segment G	7-segment G		
J5	J5-1	-	J5-2,J5-3 Com	J5-2,J5-3 Com		
	J5-2	Y9	Up arrow	Up arrow	Relay Output	DC5A24V AC5A250V
	J5-3	Y10	Down arrow	Down arrow		
	J5-4	-	J5-5~J5-8Com	J5-5~J5-8Com		
	J5-5	Y11	Open Door Output	Inspection	Relay Output	DC5A24V AC5A250V
	J5-6	Y12	Close Door output	Park		
	J5-7	Y13	Lamp & Fan control	Fire		
	J5-8	Y14	Gone	Spared		
	J5-9	-	24V Output	24V Output	Power Output	
	J5-10	-	24V Input Ground	24V Input Ground		
	J6-1 ~ J6-14	-	Car Call Connection (1~32)	Landing Call Extension Connection	Extension Connection	
	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			
SW-3		-	Spared			
SW-4	-	Spared				

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,

	Single collective	Full collective
J2-1	1 st Up call	1 st Up call
J2-2	2 nd Down call	2 nd Down call
J2-3	3 rd Down call	2 nd Up call
J2-4	33 rd Up call (Rear door 1st Up call)	3 rd Down call
J2-5	34 th Down call (Rear door 2 nd Down call)	33 rd Up call (Rear door 1st Up call)
J2-6	35 th Down call (Rear door 3 rd Down call)	34 th Down call (Rear door 2 nd Down call)
J2-7		34 th Up call (Rear door 2 nd Up call)
J2-8		35 th Down call (Rear door 3 rd Down call)

2. Total floor is 3 floors, then If maximum floor is more than 32 floors, all landing call inputs become front door call.