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.

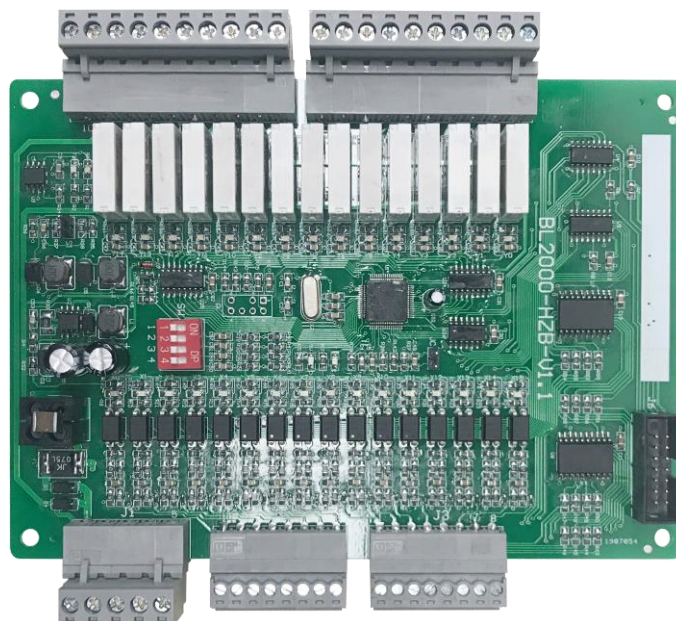# 2. BL2000-HZB-V1.1 Picture and Dimension
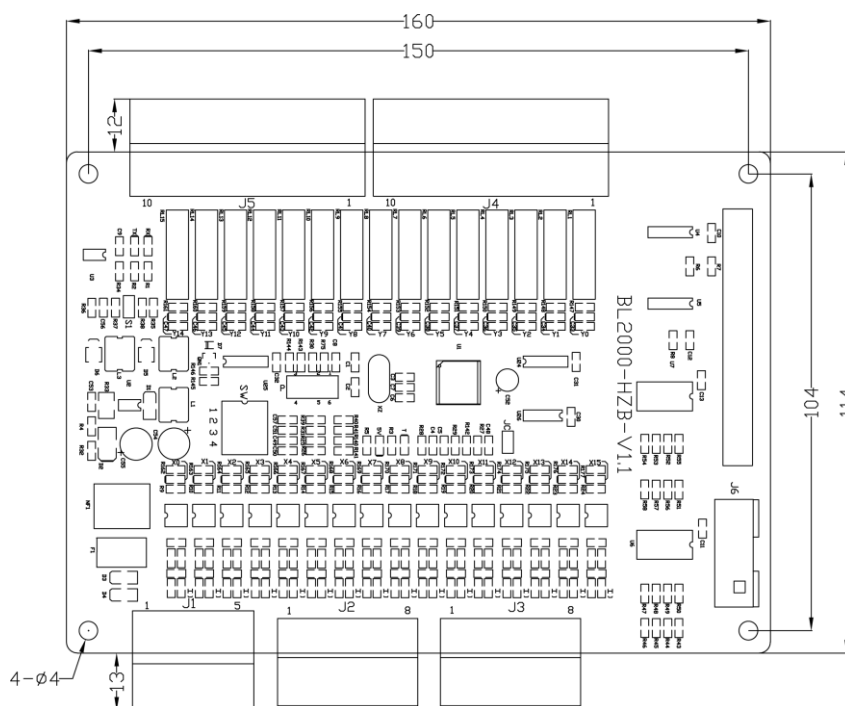

Figure 2.1 BL2000-HZB-V1.1 Front View

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	Inspection	1st Up call of Single collective or 1st Up call of Full collective	Opto-coupler Input OC Door Output	8mA Current-limit resistor 560Ω
	J2-2	X1	Inspection up	2nd Down call of Single collective or 2nd Down call of Full collective		
	J2-3	X2	Inspection down	3rd Down call of Single collective or 2nd Up call of Full collective		
	J2-4	X3	Attendant Input	4th Down call of Single collective or 3rd Down call of Full collective		
	J2-5	X4	Attendant Up	5th Down call of Single collective or 3rd Up call of Full collective		
	J2-6	X5	Attendant Down	6th Down call of Single collective or 4th Down call of Full collective		
	J2-7	X6	Non-stop input	7th Down call of Single collective or 4th Up call of Full collective		
	J2-8	X7	VIP input	8th Down call of Single collective or 5th Down call of Full collective		
J3	J3-1	X8	Full load input	9th Down call of Single collective or 5th Up call of Full collective		
	J3-2	X9	Overload input	10th Down call of Single collective or 6th Down call of Full collective		
	J3-3	X10	Door Open Limit	11th Down call of Single collective or 6th Up call of Full collective		
	J3-4	X11	Door Close Limit	12th Down call of Single collective or 7th Down call of Full collective		
	J3-5	X12	Light curtain	13th Down call of Single collective or 7th Up call of Full collective		
	J3-6	X13	Open Door Button	14th Down call of Single collective or 8th 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	Close Door Button	15th Down call of Single collective or 8th Up call of Full collective		
	J3-8	X15	Door Open Delay Button	16th Down call of Single collective or 9th Down call of Full collective		
J4	J4-1	-	J4-2～J4-10 Com	J4-2～J4-10 Com		
	J4-2	Y0	High bit Display	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		
	J4-1	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	ARD Rescue output		
	J5-7	Y13	Lamp & Fan control	Fire		
	J5-8	Y14	Overload output	Overload output		
	J5-9	-	24V Output	24V Output	Power Output	
	J5-1	-	24V Input Ground	24V Input Ground		
	J6-1 ～ J6-1	-	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	1st Up call	1st Up call
J2-2	2nd Down call	2nd Down call
J2-3	3rd Down call	2nd Up call
J2-4	33rd Up call（Rear door 1st Up call）	3rd Down call
J2-5	34th Down call（Rear door 2nd Down call）	33rd Up call（Rear door 1st Up call）
J2-6	35th Down call（Rear door 3rd Down call）	34th Down call（Rear door 2nd Down call）
J2-7		34th Up call（Rear door 2nd Up call）
J2-8		35th Down call（Rear door 3rd 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.