

Shenyang Bluelight New Generation Technology Co., Ltd

# Model Selection Manual for Bluelight Call board

V4.3.4

Center of production planning & popularzing

2025-02-26

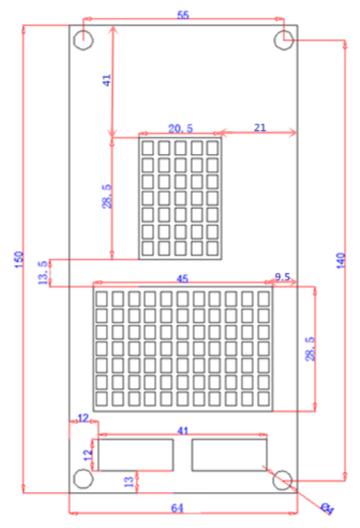
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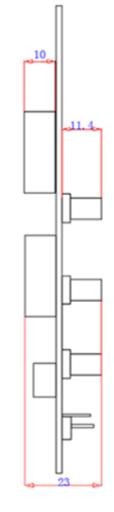
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## **Dot Matrix Display Board**

			Dot Water	x Display Dua	u						
Model			BL2000-HAH	I-M2.2				conventional supply nanager to confirm			
Type of dot ma	atrix		Square dot	matrix		•		READO-HAM-NEZ A DE CONTROL DE CON			
Display Direct	tion		Vertical					25 — 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1			
Dimensions of	РСВ		150mm*65mm <sup>*</sup>	*23mm							
Dimensions of Installati	on Baseboard		186mm*70mm <sup>*</sup>	*27mm							
LED Pilot Lamp (O	ptional)		Left & righ	nt							
	on for similar type										
Mo	Disp	play color			PCB col	or					
BL2000-HAH	Red/o	orange/blue			green						
FR2000-HA	d/orange			black							
			Terminal definition	n and function descr	iption						
Terminal Pin definition											
Terminal	specifications		Function	1		2	3	4			
PW	3.96-4180°	Powe	er &communication	24V		GND	CANH	CANL			
SH	2.54-4180°		Up call button	Up call answer(SD)		24V 24V		Up call input(SH)			
хн	2.54-4180°	D	own call button	Down call answer(XD)	24V		24V	Down call input(XH)			
BY0	2.54-4180°	Se	rial parking input	Standby answer		24V	24V	Serial parking input(DS)			
BY1	2.54-4180°		Serial fire input	Standby answer		24V	24V	Serial fire service(XF)			
DZD	2.54-4180°	Ar	rival lamp output	Up arrival lamp output(SDZ)	Down arrival lamp output(XDZ)		GND	24V			
DZZ	2.54-4180°		rrival bell output	Arrival bell output(DZZ)	u	Inused	GND	24V			
S1	2.54-2180°		ial communication nal resistor jumper	Short ju	ımper t	to connect s	erial communicati	on resistor.			
SZ	2.54-2180°	Add	ress iumper setting		Refer	to Appendia	A.1&A.2 for deta	ils.			
AN		Ad	ldress setting key		Refer	to Appendix	A.1&A.2 for deta	ils.			
LED pilot lamp display		Default User R	setting:Left for	These LEDs can l	be vario	ously config	ured. Refer to App	endix B.1 for detais.			
JC、SZ	2.54-2180°	Func	tion setting jumper	Short JC and SZ mode. Refer to app			•	enter the fuction setting			
			Terminal co	onnection diagram							
SH	хн		BY0	BY1			DZD	DZZ			
20 30 40 10 20 30 40 HS	DX V42	<b>表</b>	24V 24V 05 05 05 05 05 05 05 05 05 05 05 05 05	7 7 7 7 1 1 2 0 3 0 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	GND © 124V P	1 2 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Note: The square bond	pad of foot pins	on termin	ai s dack is No.1. Io th	ie otner side, they a	re NO.2	, No.3 and I	10.4 in sequence.				

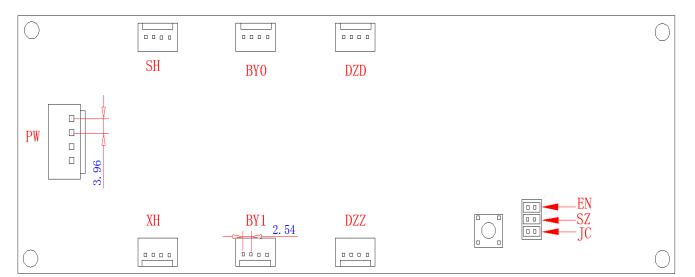
## **BL2000-HAH-M2.2** Dimensional Drawing





Dimensional Drawing of the front

Dimensional Drawing of side

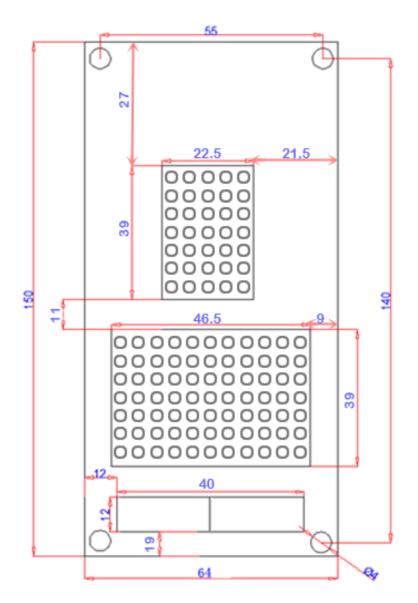


Dimensional Drawing of the back

Note: Dimensions of installation baseboard refer to Appendix C -figure 1 for details.

Model			BL2000-HAI	H-B9.1		Order inf	ormation on	: contac	t the	sales
Type of mati	rix		Round dot m	atrix					ì	
Display direct	ion		Vertical						a regular	
Dimensions of	РСВ		150mm*65mm*	*23mm					th-covering the state of the st	
Dimensions of Installati	on Baseboard		186mm*70mm	*27mm		是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个				
LED Pilot Lamp (O	ptional)		Left & righ	nt		9994				
			Informatio	on for similar type						
Mo	odel		Dis	play color			РСВ с	olor		
BL2000-H	AH-B9.1 A			Red			gree	en		
			Terminal definition	n and function descr	iption					
	Terminal				-	Pin d	efinition			
Terminal	specifications		Function	1		2	3		4	
PW	3.96-4 180°	Pow	er &communication	24V	(	GND	CANH		CANL	
SH	2.54-4 180°		Up call button	Up call answer(SD)		24V	24V	Up	call inpu	t(SH)
ХН	2.54-4 180°	С	Down call button	Down call answer(XD)		24V	24V		call inp	-
вуо	2.54-4 180°	Se	rial parking input	Standby answer		24V	24V		rial park input <mark>(D</mark> S	
BY1	2.54-4 180°		Serial fire input	Standby answer		24V	24V		Serial fir ervice <mark>(X</mark>	
DZD	2.54-4 180°	Ar	rival lamp output	Up arrival lamp output(SDZ)		n arrivel utput <mark>(XDZ)</mark>	GND		24V	
DZZ	2.54-4 180°	А	rrival bell output	Arrival bell output(DZZ)	U	nused	GND		24V	
<b>S1</b>	2.54-2 180°		ial communication nal resistor jumper	Short ju	ımper to	o connect s	erial communica	ation resist	or.	
SZ	2.54-2 180°	Add	ress jumper setting		Refe	er to Appen	dix A.1 for detai	ls.		
AN		Ad	ddress setting key		Refe	er to Appen	dix A.1 for detai	ls.		
LED pilot lamp display		User	t setting :Left for light for Full load	These LEDs can b	e vario	usly configu	ıred. Refer to Ap	pendix B.1	for deta	ails.
JC、EN	2.54-2 180°	Fund	ction setting jumper	Short JC and E	N at th	e same tin	ne, after powe	r on, ente	r the fu	ınction
JO, 214	2.5 + 2.100			setting mode. Refer	to appe	endixB.1 fo	r details.			
	T			onnection diagram						
SH	XH		BY0	BY1			DZD		DZZ	
10 20 30 40	10 20 30	40	10 20 30 40	10 20 30 40		1 2 2	03040		<b>3</b> 040	
SD 24V 24V SH	XD XD 24V 24V	<b>英</b>	24V 24V DS	24V XF		ZOX	GND 24V	DZZ	GND 24V	
Note: The square bond		on termin	1 , ,		re No.2,	No.3 and N	No.4 in sequence	e		

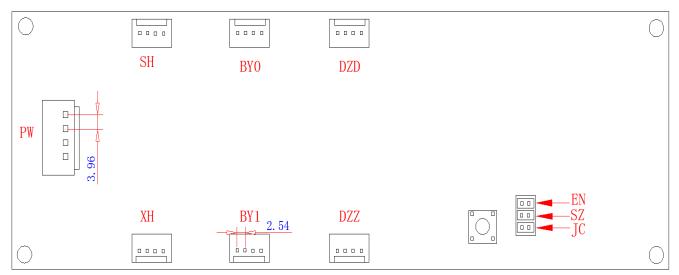
#### **BL2000-HAH-B9.1 Dimensional Drawing**



8 11.4

Dimensional Drawing of the front

Dimensional Drawing of side



Dimensional Drawing of the back

Note: Dimensions of installation baseboard refer to Appendix C -figure 1 for details.

Model Selection in		ic Display Dourd	BL2000-HAH-N	M4.1		nation on: c	ontact the sales
Type of do	ot matrix		Square dot n	natrix			1000 Mar 100
Display D	irection		Vertical		5.5 5.6		adama da
							2
Dimension	ns of PCB		150mm*64mm*23	mm			## 1
Dimensions of Insta	allation Basebo	pard	186mm*70mm*27	mm			
LED Pilot Lam	p (Optional)		Left & right			200H	
			Information f	or similar type			
	Model		Display	, color		PCB color	
BL2000	0-HAH-M4.1 A	/B	Red /o	range		Green	
FJ-I	HTB-V9.1 A/B		Red /o	range		Green	
			Terminal definition ar	nd function description	on		
Termin	al	Terminal			Pin defi	nition	
BL2000-HAH-M4.1	FJ-HTB-V9.1	specifications	Function	1	2	3	4
PW	J1	3.96-4 180°	Power &communication	24V	GND	CANH	CANL
SH	J2	2.54-4 180°	Up call button	Up call answer(SD)	24V	24V	Up call input(SH)
хн	J3	2.54-4 180°	Down call button	Down call answer(XD)	24V	24V	Down call input(XH)
ВҮ	J4	2.54-4 180°	Serial electric lock input	Standby answer	24V	24V	Serial electric lock input (DS)
DZD	J5	2.54-4 180°	Arrival lamp output	Up arrival lamp output A(SDZ-A)	Up arrival lamp output B(SDZ-B)	Down arrival lamp output A (XDZ-A)	Down arrival lamp output B(XDZ-B)
DZZ	J6	2.54-4 180°	Arrival bell output	Arrival bell output A	Arrival bell output B(DZZ-B)	24V	GND
S1		2.54-2 180°	Serial communication terminal resistor jumper	Short jumper to cinnnect serial communication resitor.			
SZ		2.54-2 180°	Address jumper setting		Refer to Appendix	x A.1 for details.	
AN			Address setting key		Refer to Appendix	x A.1 for details.	
LED pilot lamp	o display		Default setting :Left for User ,Right for Full load	These LEDs can be	variously configure	ed. Refer to Appe	endix B.1 for details.
				Short JC,after p	ower on,enter the	self-test function	on, press the up-call
JC		2.54-2 180°	Function setting jumper	button and the dov	vn-call button at	same time,after	2 seconds,enter the
				function setting mod	de. Refer to append	dixB.1 for details	•
				ection diagram			
SH/J2		XH/J3		4.1/ FJ-HTB-V9.1 7/J4	DZD/J5		DZZ/J6
311/12		ΛП/J3	BY	/	/ /		/
SD 240 ST		X 2 00 F		30 40 QN 90	10 20 30 40 VZQS VZQX	1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 3 4 0 8 2 7 8 2 0 9 7 7 8 2 0
Note: The square b	ond pad of foo	t pins on termi	nal's back is No.1. To the o	ther side, they are N	o.2, No.3 and No.4	in sequence.	

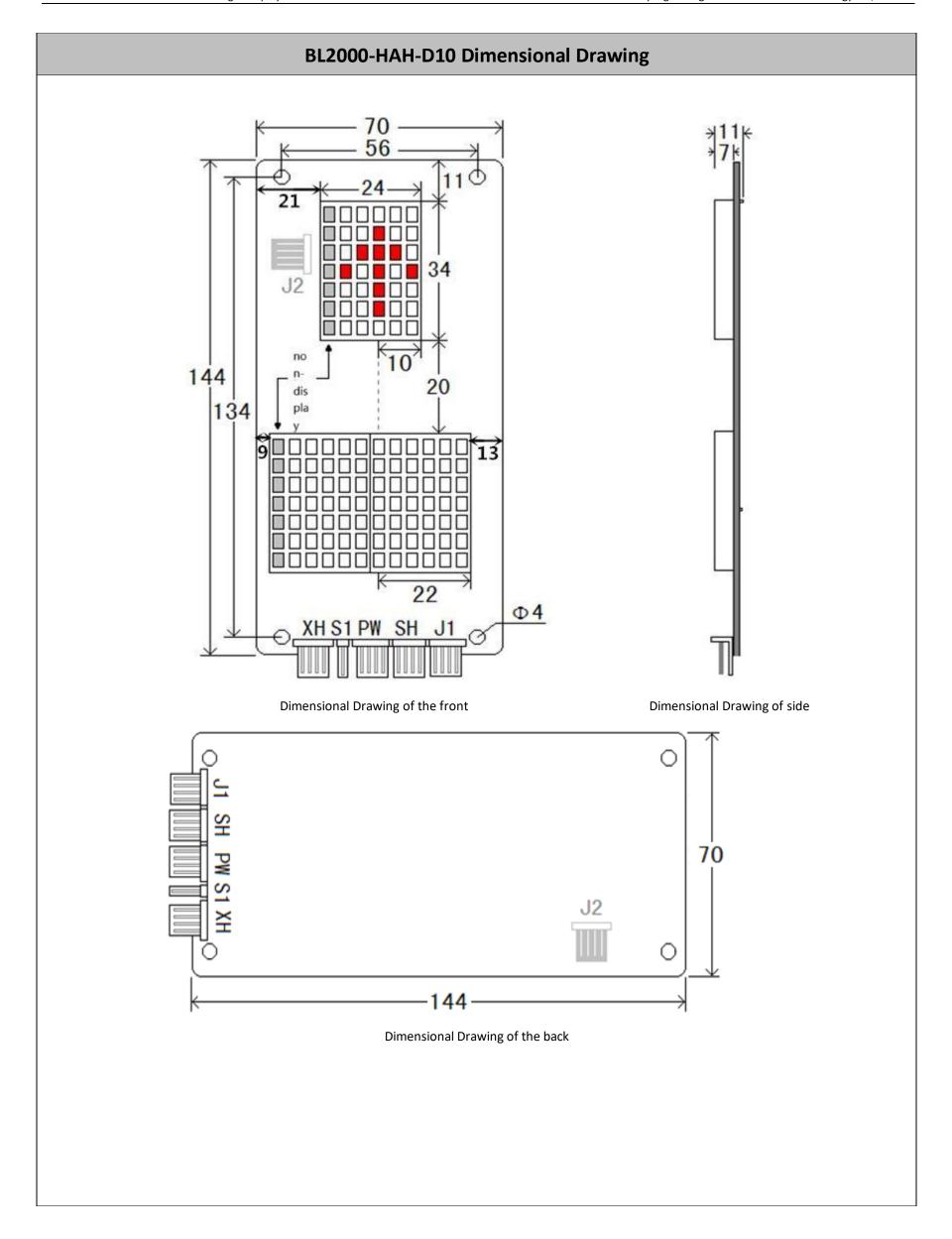
# BL2000-HAH-M4.1/FJ-HTB-V9.1Dimensional Drawing 4-\$4 00000 و و و و و و 00000 102 Dimensional drawing of the front Dimensional Drawing of side SH XH BY BL2000-HAH-M4.1 **DZZ** 2. <u>54</u> DZD 0000 BL2000-HAH-M4.1 Dimensional Drawing of the back . . . . J2 J3 J4 FJ-HTB-V9.1

FJ-HTB-V9.1 Dimensional Drawing of the back

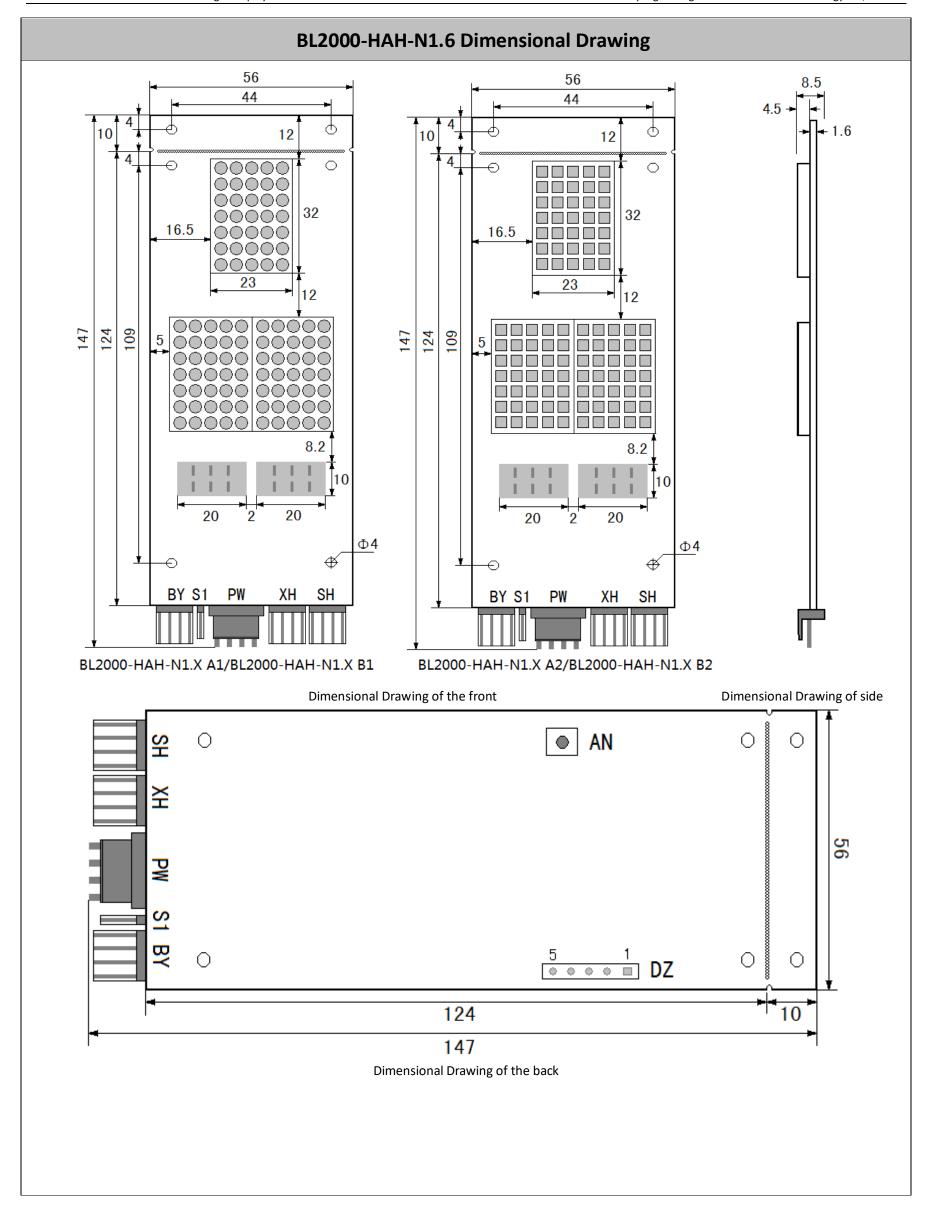
Note: Dimensions of installation baseboard refer to Appendix C -figure 1 for details.

J5

Мс	odel		BL2000-	HAH-D:	10		Order info	ormation on: co	
Type of d	lot matrix		Square d	ot matrix					2000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Display	direction		Ver	tical					
DIMENSIC	ONS OF PCB		144mm*70	mm*11mr	m				
	of Installation board		No installatio	on baseboa	ard				
LED pil	ot lamp		No	one					7 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			Info	ormation f	or similar ty	pe			
	Model			Display	color			РСВ СО	LOR
BL200	00-HAH-D10-A/B			Red/or				Gree	n
			Terminal de	efinition ar	nd function	description			
Terminal	Terminal Model		function		1	2	Pin defini	tion 3	4
PW	2.54-4 90°	Power 8	&communication	2	4V	GND		CANH	CANL
SH	2.54-4 90°	Up	call button	Up call a	nswer <mark>(SD)</mark>	24V	24V 24V		Up call input(SH)
хн	2.54-4 90°	Dov	vn call button		vn call ver <mark>(XD)</mark>	24V		24V	Down call input(XH)
J1	2.54-4 90°	seri	ial input port	2	4V	Serial par input(D	_	24V	Serial fire input(XF)
J2	2.54-4 90°	Arri	val input port	Up arrival lamp Down arrival lam output (SDZ) output (XDZ)			-	Arrival bell output (DZZ)	GND
<b>S1</b>	2.54-2 90°		communication resistor jumper		Short	jumper to cor	nect serial	communication re	esistor.
SZ	2.54-2 90°	Addres	s jumper setting			Refer to Ap	pendix A.1	&A.2 for details.	
AN		Addres	ss setting button			Refer to Ap	pendix A.1	&A.2 for details.	
JC、SZ	2.54-2 90°	Functio	n setting jumper		: JC and SZ a		e, after po	wer on , enter the	function setting mode.
			Terr	ninal conn	ection diag	ram			
	SH		XH			J1			J2
SD	7 TH	pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.							
Note: The squar	re bond pad of foot	pins on te	rminal's back is No.	1. To the o	ther side, th	ney are No.2, N	lo.3 and No	o.4 in sequence.	

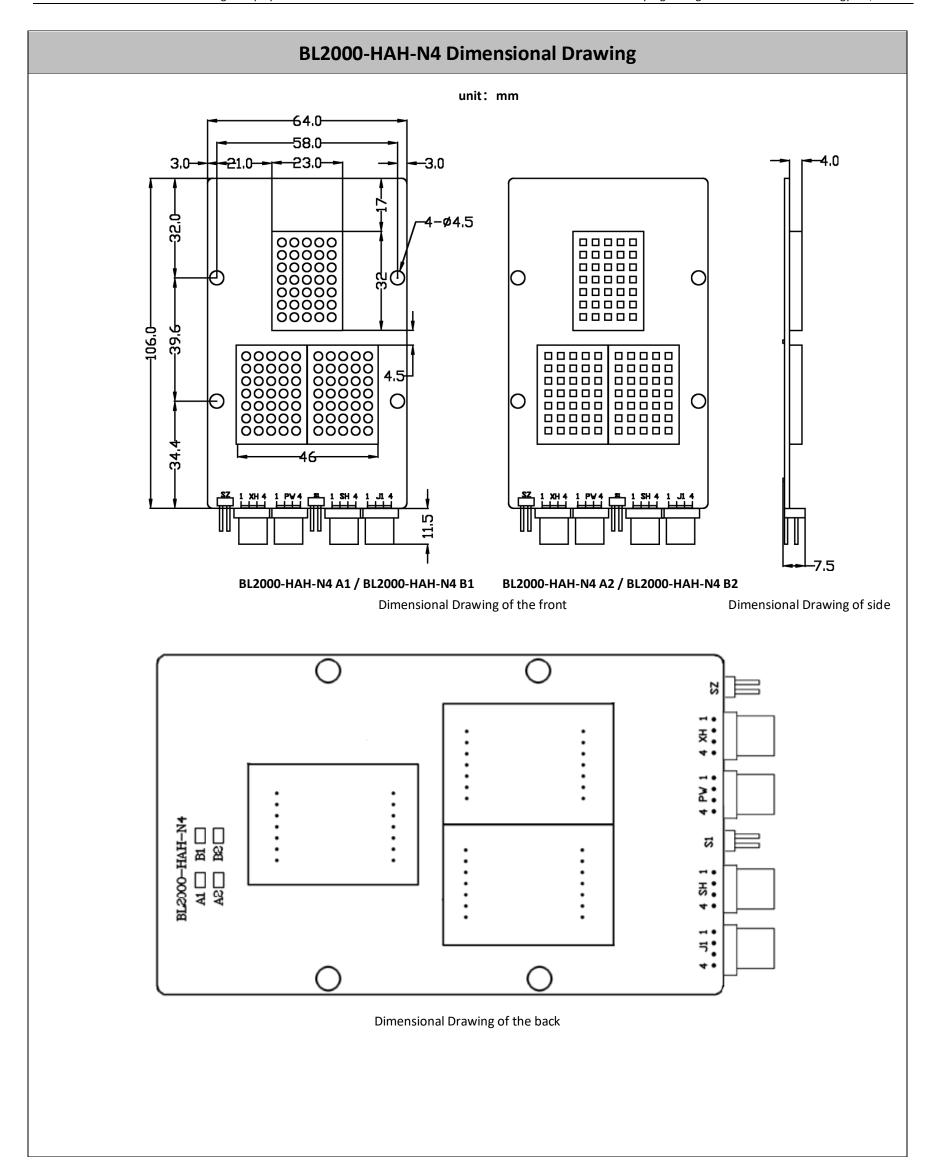


Мо	del	BL2000	-HAH-N1.6		Order information on: A1 conventional supply cycle.B1/A2/B2 contact the sales manager to confirm				
Type of d	ot matrix	Round/ Squ	uare dot matrix					Control and Contro	
Display o	direction	V	ertical				- <b>(c)</b>		
DIMENSIO	NS OF PCB	147mm*!	56mm*8.5mm				AI MI		
Dimensions o Baseb		No installa	ation baseboard			100 00 00 00 00 00 00 00 00 00 00 00 00			
LED Pilot Lam	np (Optional)	Le	eft/right		P995	13071 1001	20 a 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		
			Information for simil	ar type					
	Model			Displa	ay color			PCB COLOR	
BL20	000-HAH-N1.6 A1/				orange			green	
		Termin	al definition and funct	ion des	•				
Torminal	Terminal	Function			Pin de	finition			
Terminal	specifications	Function	1		2	3		4	
PW	3.96-4 90°	Power &communication	24V		GND	CANH		CANL	
SH	2.54-4 90°	Up call button	Up call answer(SD)		24V	24V		Up call input(SH)	
хн	2.54-4 90°	Down call button	Down call answer(XD)		24V	24V		Down call input(XH)	
ву	2.54-4 90°	Serial input port	24V		al electric lock input (DS)	24V		Serial fire service(XF)	
DZ	2.54-5	Austral autorit mant	1-741/		p arrival lamp utput <mark>(SDZ)</mark>	3- Down arriva	•	4- Arrival bell output (DZZ)	
DZ	2.54-5	Arrival output port		5-GND					
<b>S1</b>	2.54-2 90°	Serial communication terminal resistor jumper	Shor	Short jumper to connect serial communication resistor.					
EN	2.54-2 90°	Address jumper setting		Ref	er to Appendix	A.1&A.2 for det	ails.		
AN		Address setting key		Ref	er to Appendix	A.1&A.2 for det	ails.		
LED pilot lamp display		Default setting :Left for User Right for Full load	These LEDs ca	n be va	riously configur	ed. Refer to Ap <sub>l</sub>	pendix	B.1 for details.	
JC、EN	2.54-2 90°	Function setting jumper	Short JC and EN a			power on, en	ter the	function setting mode.	
Terminal connection diagram									
S	5H	ХН			ВҮ			DZ	
ightharpoons		<b>→</b>						ightharpoonup	
SD 742	3040	0X	40 <del>X</del>	1 747	203040 SD 27 NA2		247	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Note: The square	bond pad of foot	pins on terminal's back i	is No.1. To the other si	de, they	y are No.2, No.3	and No.4 in sec	quence.		

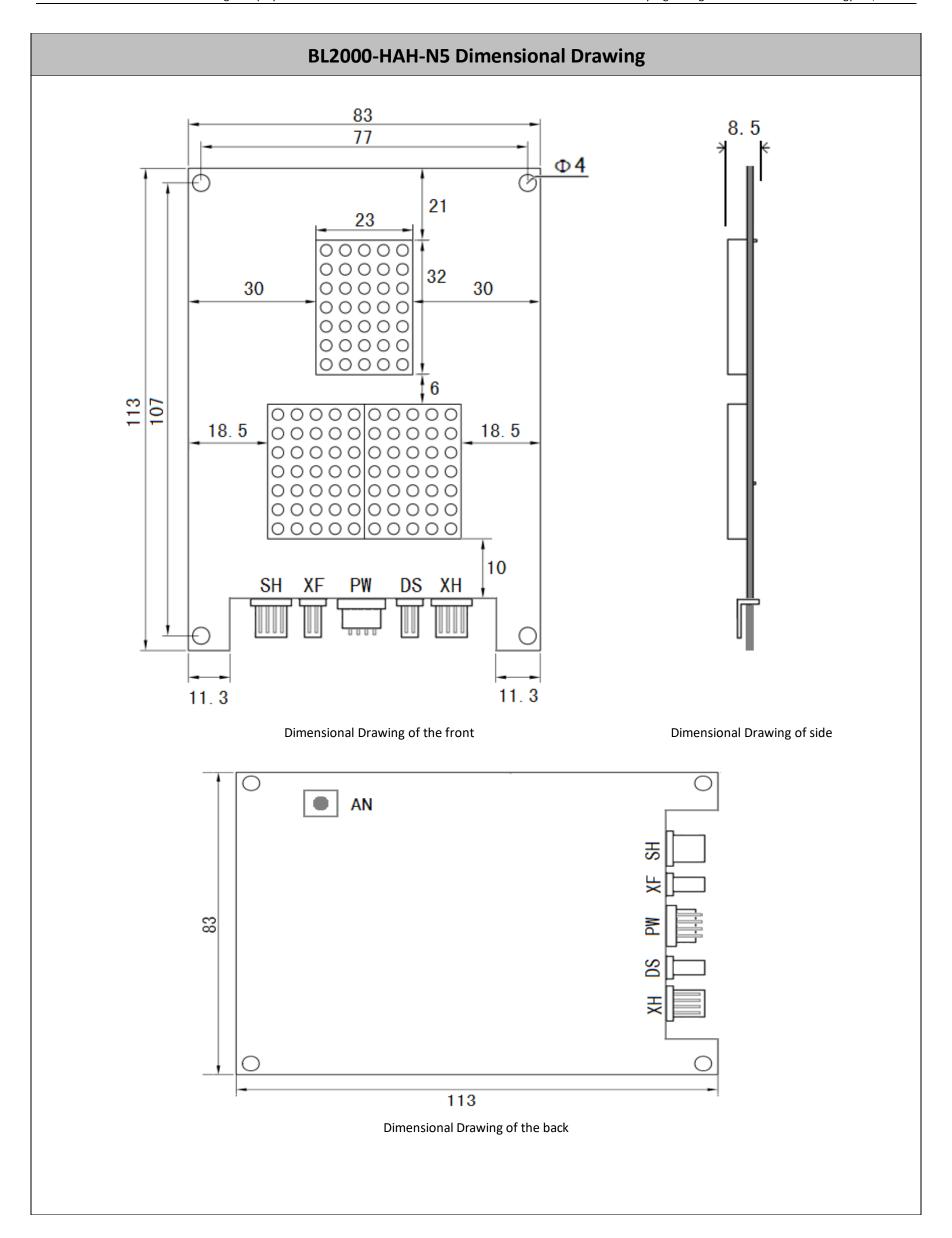


	Model		formation on: contact the sales manager to confirm					
	Type of dot matri	к	Ro	ound/ Square dot m	atrix	20000 E TO	Cooper Transition	H2000-HARF-M
	Display direction			Vertical	To the state of th		THE CO.	
	DIMENSIONS OF PO	СВ		107mm*64mm*7.5m	ım			
Dimensi	ions of Installation I	Baseboard	N	lo installation basebo	ard English	Control of the Contro		
	LED Pilot Lamp			None	""""""		11 1111 1111 11	THE THE PARTY OF T
				Information for	r similar type			
	Model			Display	color			PCB COLOR
BL20	00-HAH-N4-A1/B1/	A2/B2		Red /o	range			green
			Te	erminal definition and	I function description	on		
	Terminal					Pin def	inition	
Terminal	specifications	Function		1	2		3	4
PW	2.54-4 90°	Power &communica	ation	24V	GND	CANH		CANL
SH	2.54-4 90°	Up call po	rt	Up call answer(SD)	24V		24V	Up call input(SH)
хн	2.54-4 90°	Down call p	ort	Down call answer(XD)	24V		24V	Down call input(XH)
J1	2.54-4 90°	Serial input	port	24V	Serial electric-lock input(DS)		24V	Serial fire service(XF)
<b>S1</b>	2.54-2 90°	Serial communicat terminal resi jumper		Short jumper to c	connect serial comn	nunicat	ion resistor.	
SZ	2.54-2 90°	Address jum setting	per	Refer to Appendi	x A.1&A.2 for detai	ls.		
JC	2.54-2 90°	Detection fun jumper	ction	Short JC after pov	wer on , enter the f	unction	n self-test mod	le.
JC、SZ	2.54-2 90°	Function set jumper		Short JC and SZ at to appendixB.1 for de		ter pov	ver on, enter t	the function setting mode. Refe
				Terminal conne	ction diagram			
SH XH J1								
	SD 24V 24V 34V 34V 34V 34V 34V 34V 34V 34V 34V 3			X 42 V42	<b>X</b>		1 745	□ 2 ○ 3 ○ 4 ○ □ 2 ○ 3 ○ 4 ○

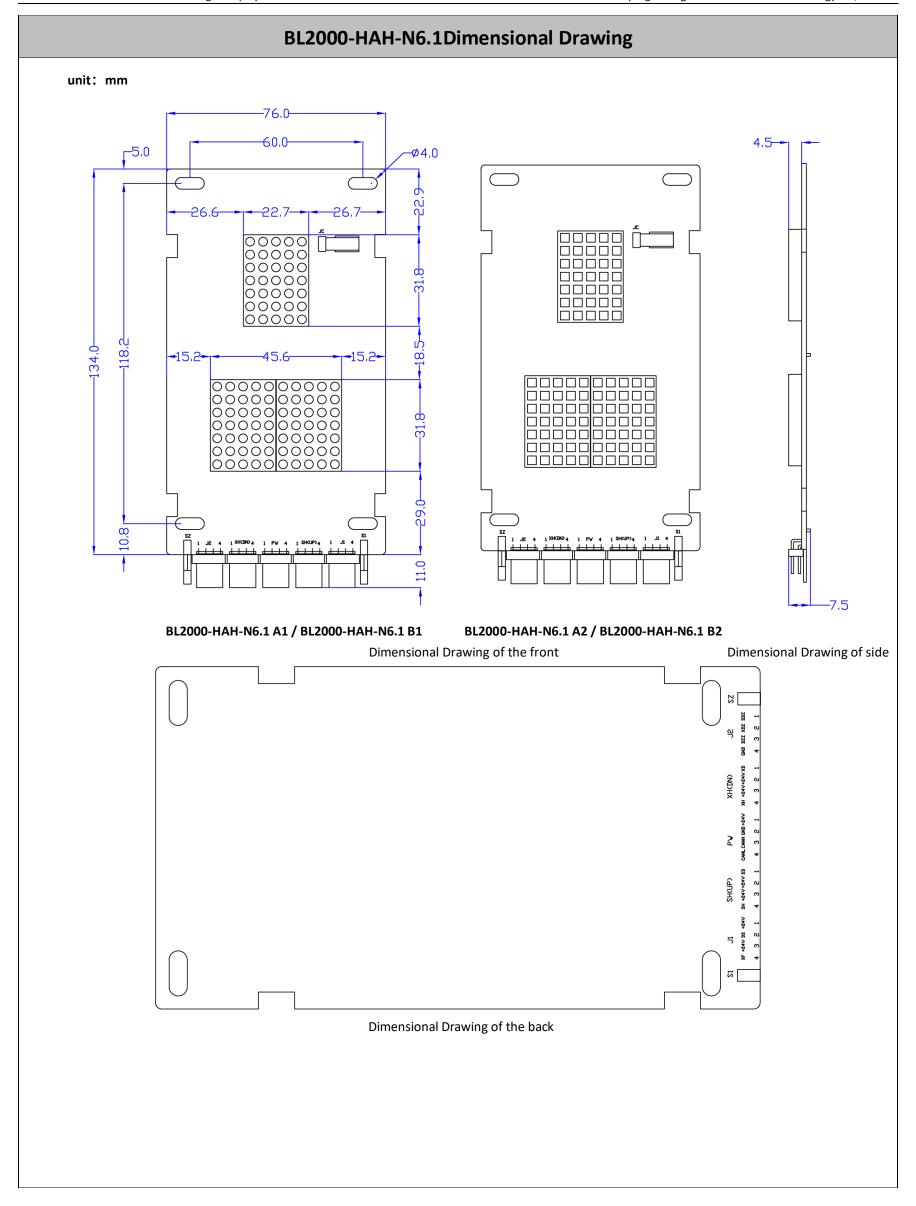
Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.



Model		BL2000	0-HAH-N5		Order	information on	contact the sa	lles manager to		
Type of dot m	atrix	Round	dot matrix				100 100 100 100 100 100 100 100 100 100	国際は 「		
Display direc	tion	V	ertical							
DIMENSIONS C	OF PCB	113mm*8	83mm*8.5mm				· · · · · · · · · · · · · · · · · · ·	可用的 在		
Dimensions of Ins Baseboard		No installa	tion baseboard		بُرِين		最高の 無高さ 元 ・	AND THE PROPERTY OF THE PROPER		
LED Pilot La	mp		none							
			Information for si							
	Model			Displa	ay color		PCE	3 COLOR		
BL2	2000-HAH-N5-A	/B		Red /	orange			green		
		Termiı	nal definition and fu	unction d	escription					
Terminal	Termina	1万官2								
	specificati	ions			1	2	3	4		
PW	3.96-4 9	0° Power &	communication	2	4V	GND	CANH	CANL		
SH	2.54-4 9	0° Up	Up call port			24V	24V	Up call input(SH)		
хн	2.54-4 9	0° Dow	n call port		vn call ver <mark>(XD)</mark>	24V	24V	Down call input(XH)		
DS	2.54-2 9	0° Serial բ	parking input	2	4V	Serial parking input(DS)				
XF	2.54-2 9	0° Seria	ıl fire input	2	4V	Serial fire service(XF)				
<b>S1</b>	2.54-29	0°	unication terminal or jumper		Short jun	nper to connect so	erial communication	on resistor.		
SZ	2.54-2 9	0° Address	jumper setting			Refer to Appen	dix A.1 for details.			
AN		Addres	ss setting key			Refer to Appen	dix A.1 for details.			
JC, EN	2.54-2 9	0° Function	setting jumper				e time, after po endixB.1 for deta	wer on, enter the		
			Terminal connecti	on diagra						
SH		XH			DS		>	(F		
SP 24V SD 11 24V SP 12 24V			<b>5</b>		24V DS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		240	2 0		
Note: The square bon	d pad of foot pi	ins on terminal's back is	s No.1. To the other	r side, the	ey are No.	2, No.3 and No.4 i	n sequence.			



N	1odel	BL2000-H	AH-N6.1  Order information on: A2 conventional supp contact the sales manager to confirm									
	dot matrix	Round /Square		· holio		BL2000-HAH-NS1 02 02 02 02 02 02 02 02 02 02 02 02 02						
Displa	y direction	Verti	cal									
DIMENS	IONS OF PCB	134mm*76m	nm*7.5mm		The second secon							
	s of Installation seboard	No installation	n baseboard									
LED P	Pilot Lamp	Non	ne									
			Information for similar	type								
	Mode	el	D	isplay color		PCB COLOR						
BL2	2000-HAH-N6.1-A	1/B1/A2/B2/D2	F	Red/orange		green						
		Termina	al definition and function	n description								
Terminal Function Pin definition												
Terminal	specifications	Function	1	2	3	4						
PW	2.54-4 90°	Power &communication	24V	GND	CANH	CANL						
SH	2.54-4 90°	Up call port	Up call answer(SD)	24V	24V	Up call input(SH)						
хн	2.54-4 90°	Down call port	Down call answer(XD)	24V	24V	Down call input(XH)						
J1	2.54-4 90°	Serial input port	24V	Serial parking input(DS)	24V	Serial fire service(XF)						
J2	2.54-4 90°	Arrival output port	Up arrival lamp output(SDZ)	Down arrival lamp output(XDZ)	Arrival bell output <mark>(DZZ</mark>	GND						
<b>S1</b>	2.54-2 90°	Serial communication terminal resistor jumper	Short jumper to co	nnect serial comm	unication resisto	or.						
SZ	2.54-2 90°	Address jumper setting	Refer to Appendix A	A.1&A.2 for details	<b>5.</b>							
JC	2.54-2 90°	Detection function jumper	Short JC after powe	er on , enter the fu	ınction self-test	mode.						
JC、SZ	2.54-2 90°	Function setting jumper	Short JC and SZ at t Refer to appendixB.1 fo		er power on , e	nter the function setting mode.						
			Terminal connection dia	agram								
	SH XH J1 J2											
	24V PS		0X A A X	1 2 2 SQ	30 40 AZ	1 ZQS						
Note: The squ	are bond pad of f	oot pins on terminal's back	is No.1. To the other sid	de, they are No.2,	No.3 and No.4 in	n sequence.						



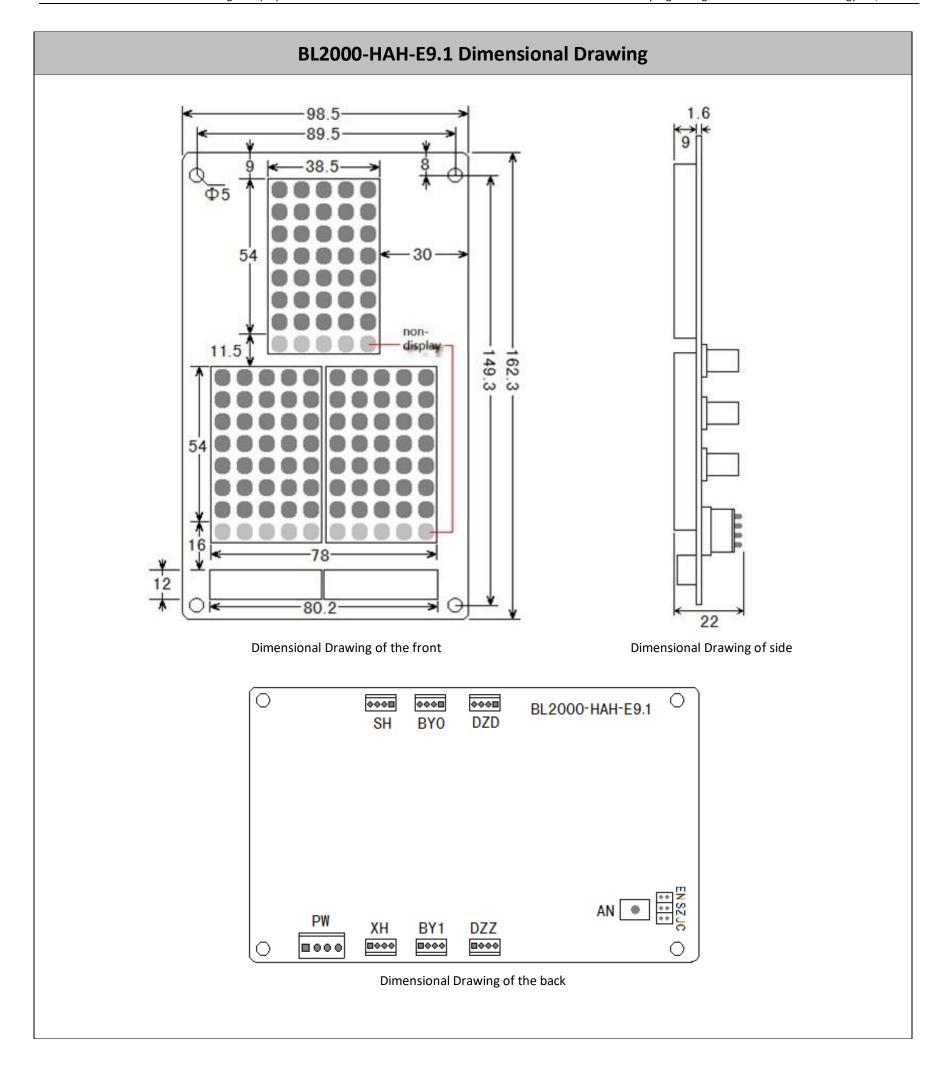
Model		BL2000-I	НАН-С9	conven	: contact the	on on : red : supply cycle e sales manager to
Type of dot n	natrix	Square do	t matrix		7	
Display dire	ction	Verti	cal	13 mm		
DIMENSIONS (	OF PCB	150mm*65n	nm*21mm	2004		and the second s
Dimensions of Installa	tion Baseboard	186mm*70n	nm*27mm			
LED Pilot Lamp (	Optional)	Left &		9999		
		Information	n for similar type			
	Model		Display co	olor	PC	B COLOR
ı	BL2000-HAH-C9 A/B		Red/oran	ge		green
		Terminal definition	and function descript			
Terminal	Terminal specifications	Function			finition	
PW	3.96-4 180°	Power &communication	1 24V	2 GND	CANH	4 CANL
P W	3.30-4 100	Fower acommunication		GND	CANT	CAIVE
SH	2.54-4 180°	Up call port	Up call answer(SD)	24V	24V	Up call input(SH)
хн	2.54-4 180°	Down call port	Down call answer(XD)	24V	24V	Down call input(XH)
BYO	2.54-4 180°	Serial parking input	Standby answer	24V	24V	Serial parking input(DS)
BY1	2.54-4 180°	Serial fire input	Standby answer	24V	24V	Serial fire service(XF)
DZD	2.54-4 180°	Arrival lamp output	Up arrival lamp output(SDZ)	Down arrival lamp output(XDZ)	GND	24V
DZZ	2.54-4 180°	Arrival bell output	Arrival bell output(DZZ)	Not used	GND	24V
<b>S1</b>	2.54-2 180°	Serial communication terminal resistor jumps	Short ju	mper to connect se	rial communica	tion resistor.
SZ	2.54-2 180°	Address jumper setting		Refer to Append	ix A.1 for detail	s.
AN		Address setting key		Refer to Append	ix A.1 for detail	s.
LED pilot lamp display		Default setting :Left fo		e variously configur	ed. Refer to App	pendix B.1 for details.
JC, EN	2.54-2 180°	Right for Full load  Function setting jumper	ſ	EN at the same time	•	on, enter the function
		Terminal cor	nnection diagram	to appendixbit it		
SH	ХН	BY0	BY1		OZD	DZZ
<del> </del>			<del> </del>			
DS 24 V HS	1 20 30 40 2 74 X		10 20 30 40 VF 24 V		30 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 DZZ 1 C C C C C C C C C C C C C C C C C C

# **BL2000-HAH-C9 Dimensional Drawing** 65 55 1.6 24 42 150 140 8 51.5 42 Dimensional Drawing of the front Dimensional Drawing of side \*\*\*\* 0 0 SH BY0 DZD XΗ BY1 DZZ $\circ$ 0 \* \* \* \* Dimensional Drawing of the back

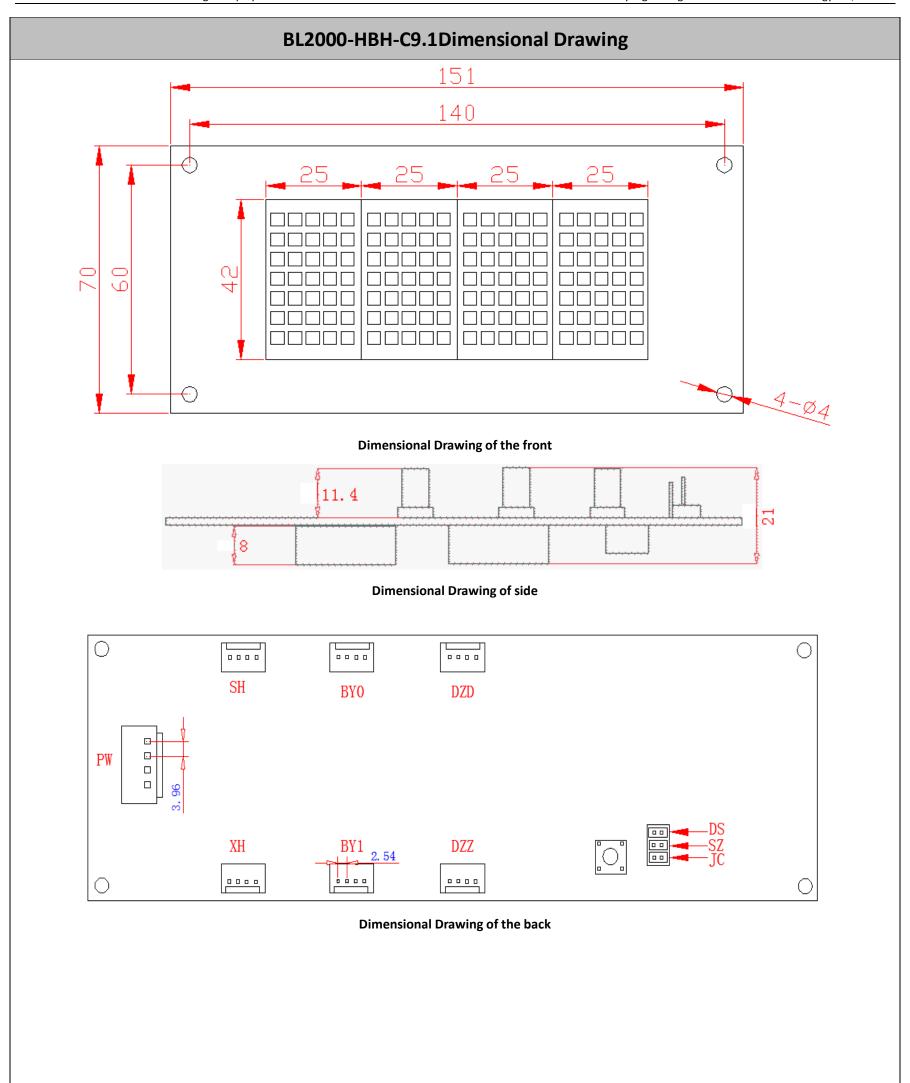
Note: Dimensions of installation baseboard refer to Appendix C -figure 1 for details.

Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.

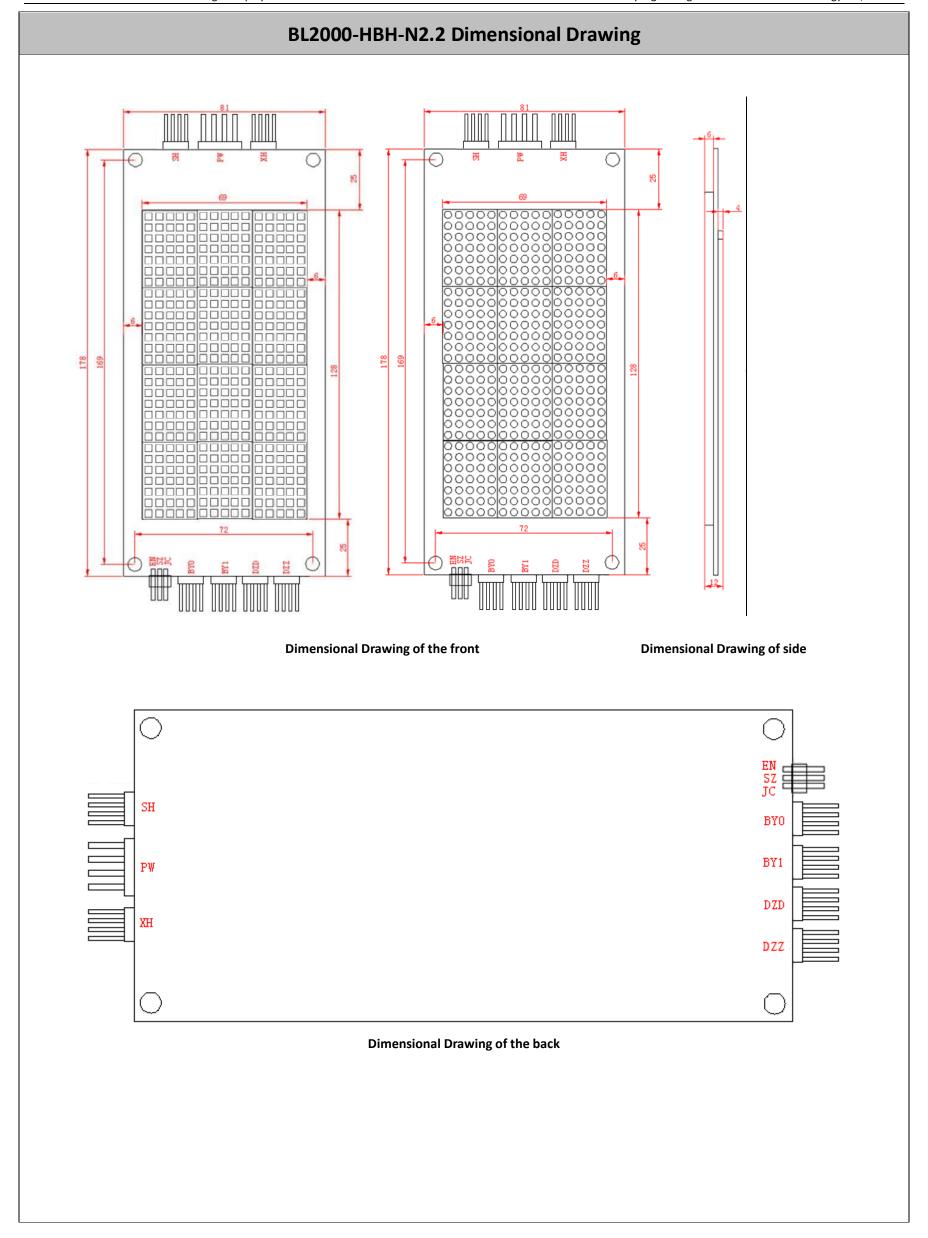
Type of dot matrix    Display direction   Vertical	M	odel	BL20	00-l	HAH-E9.1		Order information on: A conventional supply cycle B: contact the sales manager			
Display direction  DIMENSIONS OF PCB  16.2 mm*98.5mm*22mm  No installation baseboard  No installation baseboard  LED Pilot Lamp  No installation baseboard  PCB COLOR  Red Jarange  Java 24V 24V Up call input (SH)  Down call Jarange  Sandre Jarange  Jarange  Serial parking input (SH)  Sandre Jarange  Sandre Jarange  Serial parking input (SH)  Sandre Jarange  Sandre Jarange  Sandre Jarange  Sandre Jarange  Sandre Jarange  Red Jarange  Red Jarange  Red Jarange  Red Jarange  Serial parking input (SH)  Sandre Jarange  Sandre Jarange  Sandre Jarange  Sandre Jarange  Red Jarange  Sandre Jarange  Sandre Jarange  Red Jarange  Sandre Jarange  Sandre Jarange  Red Jarange  Red Jarange  Sandre Jarange  Sandre Jarange  Sandre Jarange  Red Jarange  Sandre Jarange						to confirm	n			
DIMENSIONS OF PCB  Dimensions of Installation Baseboard  LED Pilot Lamp  Information for similar type  Model  B12000-HAH E9.1 A/B  Terminal Specifications  Function  Terminal Specifications  PW  3.96-4 180° Power & Communication  SH  2.54-4 180° Down call port answer(ND)  BY0  2.54-4 180° Serial parking input  BY0  2.54-4 180° Serial fire service  Standby answer  24V 24V Serial parking input  BY1  2.54-4 180° Serial fire service  Standby answer  24V 24V Serial parking input  BY1  2.54-4 180° Arrival bell output  DDZ  2.54-4 180° Arrival bell output  DZZ  2.54-2 180° Arrival bell output  SSF 3.54-2 180° Address jumper setting  AN Address pumper setting  AN Address pumper setting  AN Address pumper setting  SSF 3.54-2 180° Function setting jumper setting in the service of the serv	Type of o	dot matrix	Roo	und d	ot matrix		******	D mit dit a B		
Dimensions of Installation Baseboard   No installation baseboard   LED Pilot Lamp   Left & right	Display	direction		Ver	tical		**			
LED Pilot Lamp   Left & right   Information for similar type	DIMENSIO	ONS OF PCB	162.3m	m*98	.5mm*22mm	1				
Information for similar type   Model   Display color   PCB COLOR	Dimensions of Ins	tallation Baseboard	No inst	allatio	on baseboard	1				
Model   BL2000-HAH-E9.1 A/B   Terminal definition and function description   Pin definition	LED Pil	ot Lamp		Left 8						
BL200-HAH-E9.1 A/B   Red/orange green			Inform	ation	for similar type					
Terminal specifications  Function  F		Model			Display co	lor	P	CB COLOR		
Terminal specifications   Function   1   2   3   4		BL2000-HAH-E9.1 A/B						green		
Terminal specifications specifications   1			Terminal defini	ition a	nd function descrip					
PW 3.96-4 180° Power & Communication 24V GND CANH CANL  SH 2.54-4 180° Up call port answer(SD) 24V 24V Up call input(SH)  XH 2.54-4 180° Down call port Down call answer(ND) 24V 24V Serial parking input Standby answer 24V 24V Serial parking input(SH)  BY0 2.54-4 180° Serial parking input Standby answer 24V 24V Serial parking input(SH)  BY1 2.54-4 180° Serial fire service Standby answer 24V 24V Serial fire service(NF)  DZD 2.54-4 180° Arrival lamp output output(SDZ) Down arrival lamp output(NDZ)  DZZ 2.54-4 180° Arrival bell output Arrival bell output(DZ) Not used GND 24V  Serial communication terminal resistor jumper Short jumper to connect serial communication resistor.  AN Address setting key Refer to Appendix A.1 for details.  LED pillot lamp display Default setting 1.eft for User Short Z and EN at the same time, after power on, enter the function setting mode. Refer to appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ  These LEDs can be variously configured. Refer to Appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ	Terminal		Function				1			
SH 2.54-4 180° Up call port Down call answer(SD) 24V 24V Up call input(SH)  XH 2.54-4 180° Down call port Down call answer(XD) 24V 24V input(XH)  BYO 2.54-4 180° Serial parking input Standby answer 24V 24V Serial parking input(DS)  BY1 2.54-4 180° Serial fire service Standby answer 24V 24V Serial fire service(XF)  DZD 2.54-4 180° Arrival lamp output Up arrival lamp Oown arrival lamp Output(SDZ) output(XDZ)  DZZ 2.54-4 180° Arrival bell output Arrival bell output(DZZ) Not used GND 24V  SI 2.54-2 180° Serial communication terminal resistor jumper Short jumper to connect serial communication resistor.  SZ 2.54-2 180° Address jumper setting Refer to Appendix A.1 for details.  AN Address setting key Refer to Appendix A.1 for details.  LED pillot lamp display Default setting: Left for User These LEDs can be variously configured. Refer to Appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ  These LEDs and the same time, after power on, enter the function setting mode. Refer to appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ		specifications			1	2	3	4		
Arrival lamp output  DZZ 2.54-4 180° Arrival lamp output  DZZ 2.54-2 180° Address jumper setting  AN Address setting key  Address setting key  Arrival lamp display  Default setting :Left for User  DED 2.54-2 180° Function setting jumper  SH XH BY0 BY0 Arrival the BY0 BY0 Arrival setting in terminal connection diagram  Arrival the BY0 BY1 Arrival bell output  DZZ 2.54-2 180° Arrival bell output  Serial fire service  Arrival bell output  Arrival bell output  Short Jumper to connect serial communication resistor.  Refer to Appendix A.1 for details.  AN Address jumper setting  BY1 Address are the for User  Function setting jumper  Short JC and EN at the same time, after power on, enter the function setting mode. Refer to appendix B.1 for details.  Terminal connection diagram  SH XH BY0 BY1 DZD DZZ	PW	3.96-4 180°	Power &communica	24V	GND	CANH	CANL			
Serial parking input   Standby answer   24V   24V   Serial fire service   Standby answer   24V	SH	2.54-4 180°	Up call port		•	24V	24V	Up call input(SH)		
BYO 2.54-4 180° Serial parking input  24V 24V input(DS)  BY1 2.54-4 180° Serial fire service  DZD 2.54-4 180° Arrival lamp output  Up arrival lamp output(SDZ) output(NDZ)  DZZ 2.54-4 180° Arrival bell output  Arrival bell output(DZZ)  Serial communication terminal resistor jumper  SZ 2.54-2 180° Address jumper setting  AN Address setting key Refer to Appendix A.1 for details.  AN Address setting sleft for User  These LEDs can be variously configured. Refer to Appendix B.1 for details.  LED pilot lamp display  JC, EN 2.54-2 180° Function setting jumper  Short JC and EN at the same time, after power on, enter the function setting mode. Refer to appendixB.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ	хн	2.54-4 180°	Down call port			24V	24V			
Serial fire service  DZD  2.54-4 180° Arrival lamp output  Up arrival lamp output(SDZ)  DZZ  2.54-4 180° Arrival bell output  Arrival bell output  Serial communication terminal resistor jumper  SZ  2.54-2 180° Address jumper setting  AN  Address setting key  Refer to Appendix A.1 for details.  AN  Address setting set	вуо	2.54-4 180°	Serial parking inpu	ut	Standby answer	24V	24V			
DZZ  2.54-4 180° Arrival lamp output output(SDZ) output(XDZ) GND Z4V  S1 2.54-2 180° Serial communication terminal resistor jumper Short jumper to connect serial communication resistor.  S2 2.54-2 180° Address jumper setting Refer to Appendix A.1 for details.  AN Address setting key Refer to Appendix A.1 for details.  LED pilot lamp display Default setting: Left for User Short JC and EN at the same time, after power on, enter the function setting mode. Refer to appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ	BY1	2.54-4 180°	Serial fire service	2	Standby answer	24V	24V			
Serial communication terminal resistor jumper  Short jumper to connect serial communication resistor.  SZ 2.54-2 180° Address jumper setting Refer to Appendix A.1 for details.  AN Address setting key Refer to Appendix A.1 for details.  LED pilot lamp display Default setting: Left for User Short JC and EN at the same time, after power on, enter the function setting mode. Refer to appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ  The setting mode and EN at the same time after power on, enter the function setting mode. Refer to appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ	DZD	2.54-4 180°	Arrival lamp outp	ut			GND	24V		
SI 2.54-2 180° terminal resistor jumper  Short jumper to connect serial communication resistor.  Refer to Appendix A.1 for details.  AN Address setting key Refer to Appendix A.1 for details.  LED pilot lamp display Default setting: Left for User  JC, EN 2.54-2 180° Function setting jumper  Short Jumper to connect serial communication resistor.  Refer to Appendix A.1 for details.  These LEDs can be variously configured. Refer to Appendix B.1 for details.  Short JC and EN at the same time, after power on, enter the function setting mode. Refer to appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ  THE SHORT SH	DZZ	2.54-4 180°	Arrival bell outpu	ıt		Not used	GND	24V		
AN Address setting key Refer to Appendix A.1 for details.  Default setting: Left for User These LEDs can be variously configured. Refer to Appendix B.1 for details.  JC, EN 2.54-2 180° Function setting jumper Short JC and EN at the same time, after power on, enter the function setting mode. Refer to appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ  THOSE LEDs can be variously configured. Refer to Appendix B.1 for details.  Terminal connection diagram  SH XH BYO BY1 DZD DZZ  THOSE LEDs can be variously configured. Refer to Appendix B.1 for details.	<b>S1</b>	2.54-2 180°			Short ju	mper to connect so	to connect serial communication resistor.			
Default setting :Left for User  These LEDs can be variously configured. Refer to Appendix B.1 for details.  Short JC and EN at the same time, after power on, enter the function setting mode. Refer to appendixB.1 for details.  Terminal connection diagram  SH  XH  BY0  BY1  DZD  DZZ  These LEDs can be variously configured. Refer to Appendix B.1 for details.  Terminal connection diagram  SH  XH  BY0  BY1  DZD  DZZ	SZ	2.54-2 180°	Address jumper sett	ting		Refer to Append	dix A.1 for detai	ils.		
User    JC, EN   2.54-2 180°   Function setting jumper   Short JC and EN at the same time, after power on, enter the function setting mode. Refer to appendix B.1 for details.    Terminal connection diagram   SH   XH   BYO   BY1   DZD   DZZ	AN		Address setting ke	≘y		Refer to Append	dix A.1 for detai	ils.		
SH XH BYO BY1 DZD DZZ  Terminal connection diagram  SH XH BYO BY1 DZD DZZ  THE SETTING MODE. Refer to appendixB.1 for details.  Terminal connection diagram  DZD DZZ  THE SETTING MODE. Refer to appendixB.1 for details.	LED pilot lamp display		_	for	These LEDs can be	e variously configu	red. Refer to Aբ	ppendix B.1 for details.		
SH	JC、EN	2.54-2 180°	Function setting jum				•	on, enter the function		
SH XH BY0 BY1 DZD DZZ			   Termina		-	н со арренціхв.т	oi details.			
	SH	W.			T		770	D77		
10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040 10203040							יצט	υζζ		
S							<del> </del>	<b>*</b>		
			10203040			1 20	3040	10 20 30 40 N		
THE THE SOURCE BOOK DOOD ON THE CONTRACTOR AND A SOURCE OF THE COURT SOME TOWN AND WORK AND WAR AND WAR AND CONTRACTOR	17			To the		re No 2 No 2 and	No 4 in secure			



					Order inf	rder information on: red: conventional			
Mo	odel	BL200	Ю-НВ	H-C9.1		_	: contact the	sales	
					manager	to confirm	испо моес поев •	•	
	dot matrix		are dot m						
Display	direction	H	Horizontal						
DIMENSIC	ONS OF PCB	70mm*	*151mm	1*21mm			OPOH COOK COOK	•	
Dimensions of Ins	tallation Baseboard	No instal	llation b	aseboard				1	
LED Pil	ot Lamp	None					в.2000-нвн-сэл - <b>1</b>	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
		Informat	tion for	similar type					
	Model			Display co	lor	F	PCB COLOR		
	BL2000-HBH-C9.1 A/B			Red/orang	ge		green		
	FJ-HPI-V9.1 A/B			Red/orang	ge		green		
		Terminal definiti	ion and f	function descrip	otion				
Terminal	Terminal	Function			Pin de	efinition			
	specifications			1	2	3	4		
PW	3.96-4 180°	Power &communicati	ion	24V	GND	CANH	CANL		
SH	2.54-4 180°	Up call port		Up call answer(SD)	24V	24V	Up call inpu	ıt(SH)	
хн	2.54-4 180°	Down call port		Down call answer <mark>(XD)</mark>	24V	24V	Down ca input <mark>(XF</mark>		
вуо	2.54-4 180°	Serial parking input	t St	andby answer	24V	24V	Serial park input(DS		
BY1	2.54-4 180°	Serial fire service		andby answer	24V	24V	Serial fir service(X		
DZD	2.54-4 180°	Arrival lamp output	T   '	p arrival lamp output <mark>(SDZ)</mark>	Down arrival lam output(XDZ)	GND	24V		
DZZ	2.54-4 180°	Arrival bell output	•	Arrival bell output(DZZ)	Not used	GND	24V		
<b>S1</b>	2.54-2 180°	Serial communicatio terminal resistor jum	l l	Short jui	mper to connect so	erial communio	cation resistor.		
SZ	2.54-2 180°	Address jumper settir	ng		Refer to Append	dix A.1 for deta	ails.		
AN		Address setting key	,		Refer to Append	dix A.1 for deta	ails.		
JC、EN	2.54-2 180°	Function setting jump	oer S		at the same time, ng mode. Refer to	-	on,enter the funct for details.	tion	
		Terminal	connect	tion diagram					
SH	ХН	BY0		BY1		OZD	DZZ		
24 24 S S S S S S S S S S S S S S S S S	D	10 20 30 40 NA2 24 0		7 2 3 4 0 X X		GND 24V 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 2 3 0 4 0 7 4 0 0 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
		erminal's back is No.1. To	o the ot		re No.2, No.3 and	No.4 in sequer	nce.		



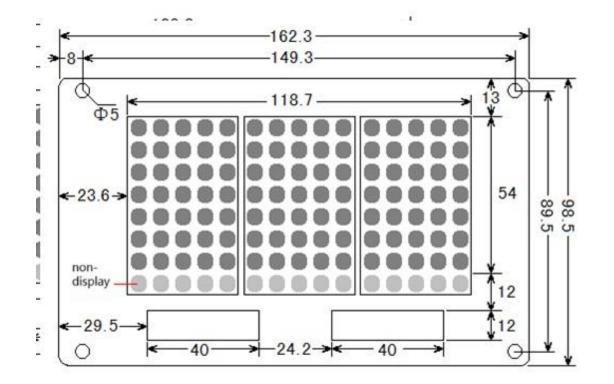
Model			BL2000	)-HBH-N2.2	Order information on: contact the sales manager to confirm				
Туре	of dot matrix		Round	d dot matrix	B: _				
Disp	lay direction		Н						
DIMEN	NSIONS OF PCB		81mm*1						
Dimensions of	Installation Baseboard	t	No install						
LED	Pilot Lamp			None					
			Informati	on for similar type					
	Model			Display color	PCB COLOR				
BL2000-HBH	H-N2.2 A1/B1/A2/B2		square dot i	matrix/Orange round dot matrix/orange square dot n and function description	matrix		green		
	Terminal			n and function description	Pin def	inition			
Terminal	specifications		function	1	2	3	4		
PW	3.96-4 90°	Power	&communication	24V	GND	CANH	CANL		
SH	2.54-4 90°	Up call port		Up call answer(SD)	24V	24V	Up call input(SH)		
хн	2.54-4 90°	Down call port		Down call answer(XD)	24V	24V	Down call input(XH)		
вуо	2.54-4 90°	Serial parking input		Standby answer	24V	24V	Serial parking input(DS)		
BY1	2.54-4 90°	Serial fire service		Standby answer	24V	24V	Serial fire service(XF)		
DZD	2.54-4 90°	Arrival lamp output		Up arrival lamp output <mark>(SDZ)</mark>	Down arrival lamp output(XDZ)	GND	24V		
DZZ	2.54-4 90°	Arri	ival bell output	Arrival bell output(DZZ)	GND	5V	24V		
<b>S1</b>	2.54-2 90°		communication I resistor jumper	Short jumper	r to connect serial communication resistor.				
SZ	2.54-2 90°	Addre	ss jumper setting	Re	fer to Append	ix A.1 for details	<b>5.</b>		
AN		Add	ress setting key	Re	efer to Appendix A.1 for details.				
JC、EN	2.54-2 90°	Functi	on setting jumper	Short JC and EN at setting mode. Refer to ap			on, enter the function		
				onnection diagram	onnection diagram				
SH	ХН		BY0	BY1	DZD		DZZ		
DS 24 25 25 25 25 25 25 25 25 25 25 25 25 25		10 20 30 40 DS SD	742 24V XF	10 20 ZOX	GND 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GND C C C C C C C C C C C C C C C C C C C			
Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.									

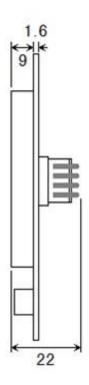


Model Selection Manual for Bluelight Display Board						Shenyang Bluelight New Generation Technology Co., Ltd			
Mod	BL2000-HBH-E9.1				Order information on: A:conventional supply cycle.B:contact the sales manager to confirm				
Type of dot	Round dot matrix								
Display dir	Horizontal								
DIMENSION	S OF PCB	98.5mm*162.3mm*22mm					macount d		
Dimensions of Instal	lation Baseboard	No installation baseboard							
LED Pilot	Lamp	左、右			12 12 13 13 13 13 13 13 13 13 13 13 13 13 13				
Information for similar type									
	Model		Display color			PCB COLOR			
BL	.2000-HBH-E9.1 A/B			Red/oran		green			
		Terminal definition	on and	d function descript	ion				
Terminal	Terminal	Function				Pin def	finition		
Terminal	specifications	Tunction		1		2	3	4	
PW	3.96-4 180°	Power &communicat	tion	24V	G	IND	CANH	CANI	<b>L</b>
SH	2.54-4 180°	Up call port		Up call answer <mark>(SD)</mark>	2	24V	24V	Up call inp	ut(SH)
ХН	2.54-4 180°	Down call port		Down call answer(XD)	2	24V	24V	Down o	
вуо	2.54-4 180°	Serial parking input		Standby answer	2	24V	24V	Serial par input(E	_
BY1	2.54-4 180°	Serial fire service		Standby answer	2	24V	24V	Serial f service(	
DZD	2.54-4 180°	Arrival lamp output		Up arrival lamp output(SDZ)		rrival lamp ut(XDZ)	GND	24V	
DZZ	2.54-4 180°	Arrival bell output		Arrival bell output(DZZ)	Not	tused	GND	24V	
<b>S1</b>	2.54-2 180°	Serial communication terminal resistor jun	_	Short jumper to connect serial communication resistor.					
SZ	2.54-2 180°	Address jumper setti	ing		Refer	fer to Appendix A.1 for details.			
AN		Address setting ke	У	Refer to Appendix A.1 for details.					
LED pilot lamp display		Default setting :Left User	for	These LEDs can be variously configured. Refer to Appendix B.1 for details.					etails.
JC、EN	2.54-2 180°	Function setting jum		Short JC and EN at the same time, after power on, enter the function setting mode. Refer to appendixB.1 for details.				ınction	
		Terminal	conne	ection diagram					
SH	ХН	BY0		BY1		DZD		DZZ	
SD 24V SD 34V SH	Q	D 24 24 X		10 20 30 40 10 20 30 40		10,20	GND 24V 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DZZ D C C C C C C C C C C C C C C C C C	
	Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.								

## **BL2000-HBH-E9.1 Dimensional Drawing**

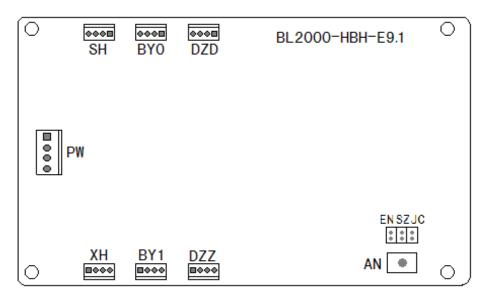
unit: mm





Dimensional Drawing of the front

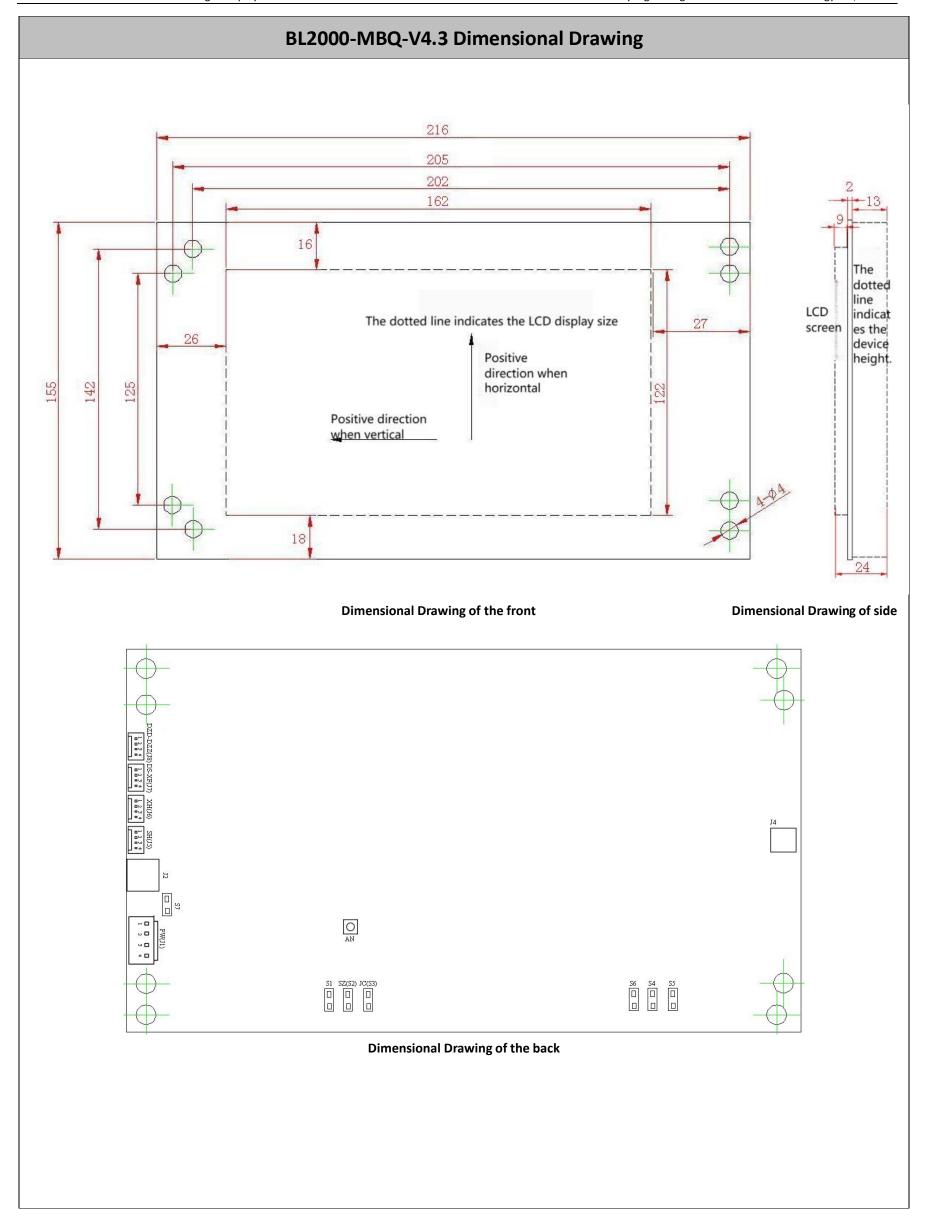
**Dimensional Drawing of side** 



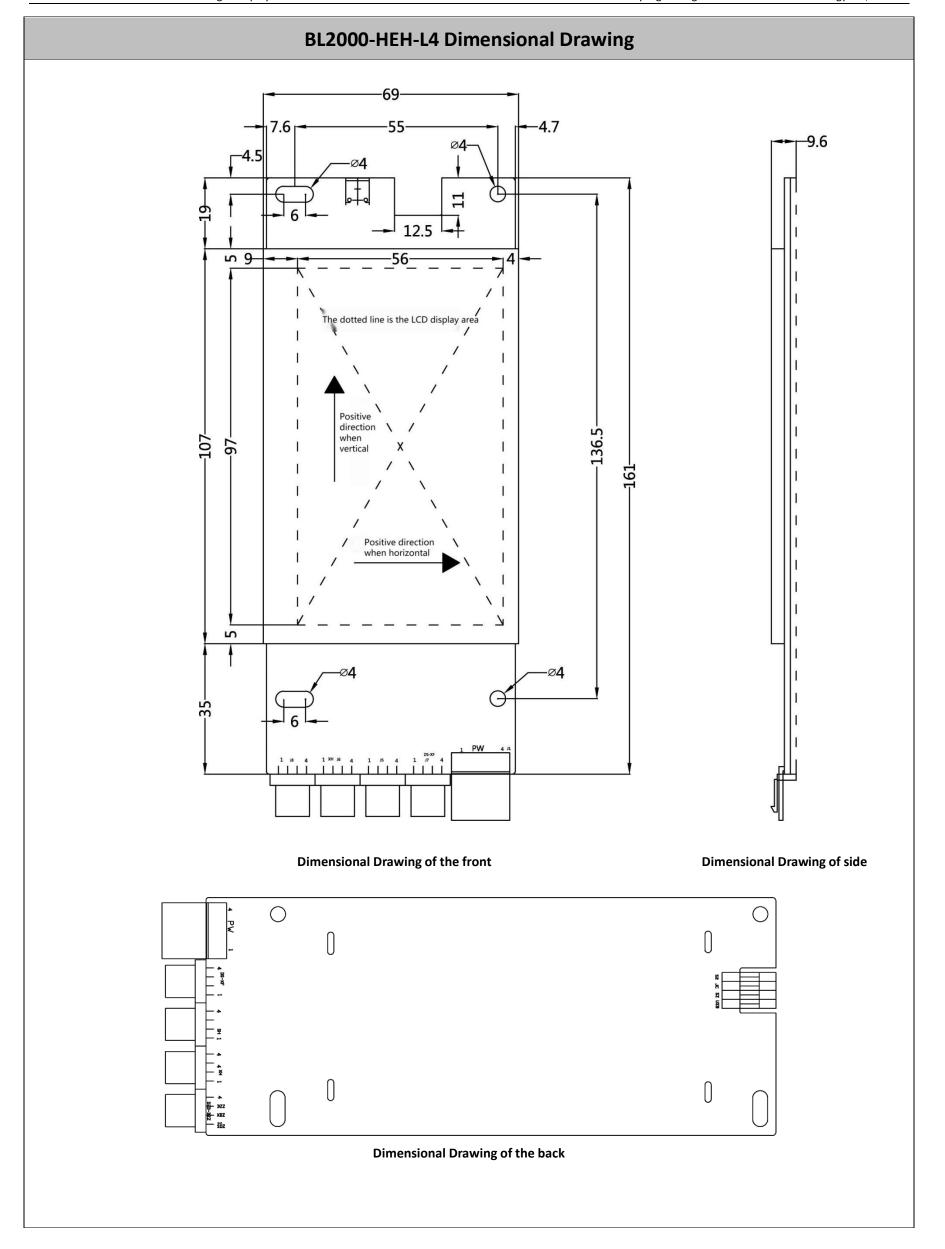
Dimensional Drawing of the back

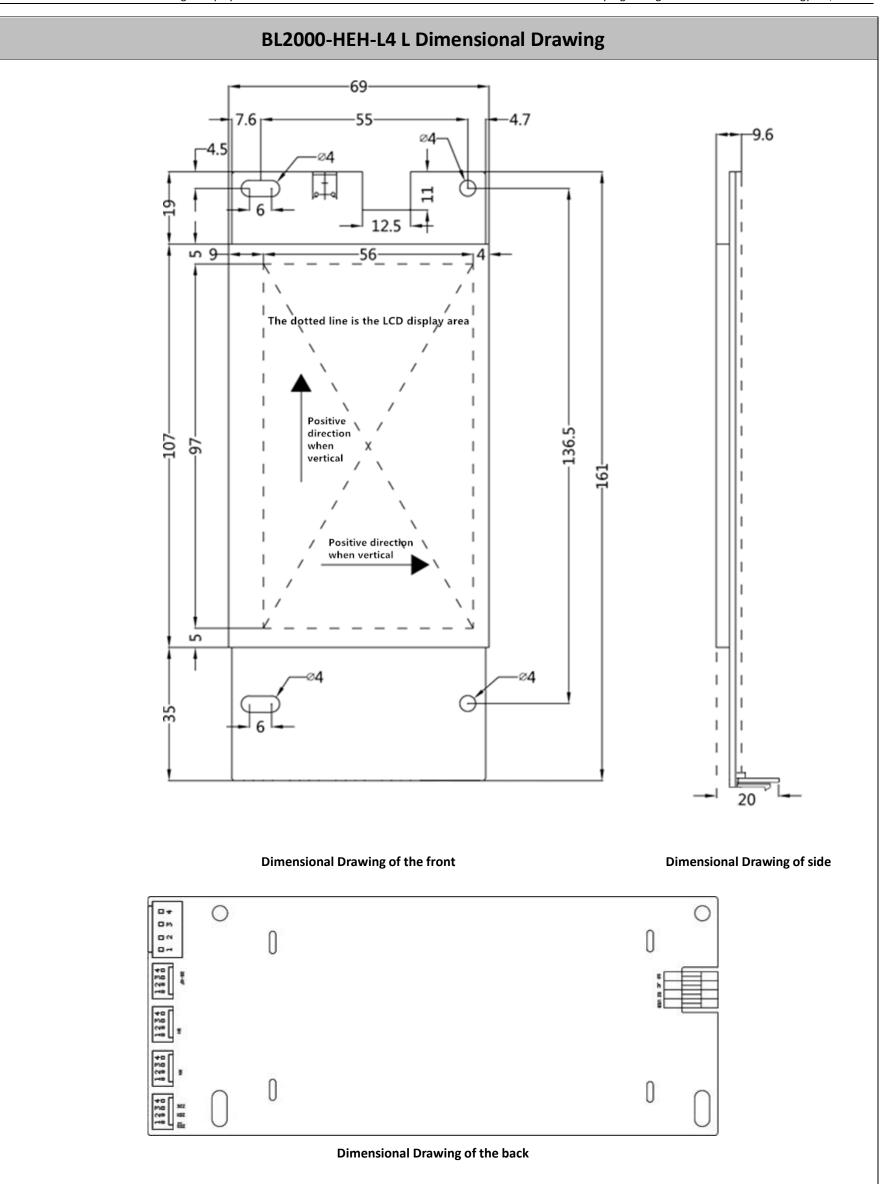
## **LCD** panel

LCD panel									
Мо	del	BL2000-M	BQ-V4.3	Order I	Order Information: Conventional supply cycle				
LCD type		8 inch TFT ture color							
Display direction		Horizontal,	/Vertical						
DIMENSIO	NS OF PCB	155mm*216r	nm*24mm	-					
Dimensions of Insta	allation Baseboard	non	e			13.00 (12.7.6。 2022-00-27			
		Informa	tion for similar type			and the star of th			
	Model	I	Display color		PCB COLO	OR .			
BL20	00-MBQ-V4.3S		Ture color		Green				
		Terminal definit	ion and function des	•					
Terminal	Terminal	Function			Pin definition				
	specifications		1	2	3	4			
PW(J1)	3.96-4 180°	Power &communication	24V	GND	CANH	CANL			
SH(J5)	2.54-4 180°	Up call port	Up call answer(SD)	24V	24V	Up call input(SH)			
XH(J6)	2.54-4 180°	Down call port	Down call answer(XD)	24V	24V	Down call input(XH)			
DS-XF (J7)	2.54-4 180°	Serial parking and fire input	24V	Serial parking input(DS)	3 24V	Serial fire service(XF)			
DZD-DZZ (J8)	2.54-4 180°	Arrival signals output	Up arrival lamp output(SDZ)	Down arrival la output(XDZ)	•	GND			
<b>S1</b>	2.54-2 180°	Serial communication terminal resistor jumper	Short jumper to connect serial communication resistor.						
SZ(S2)	2.54-2 180°	Short the SZ jumper alone, power on again to enter the address settin and use the up and down call buttons to set the address. After set, dis the SZ jumper, the layer number flashes, and the screen restarts to say successfully. At the same time, short the SZ and JC jumpers and power							
JC(S3)	2.54-2 180° 2.54-2 180°	Detection jumper	Short JC, power on a the screen will enter the demonstration r	again to enter the the automatic on the can be deto	to enter the detection mode. In the detection mode, automatic demonstration mode. The highest floor in can be determined by the floor station address.				
S4、S7		jumper When using a computer to change files, S4 and S7 need to be shor							
S5, S6	2.54-2 180°	Reserved function Do not short.							
USB(J2)	USBA	Connect a USB drive or computer to change files	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '						
AN	Button	Address setting key	Long press to enter the layer station address setting interface, and then short press the address + 1.						
J4	2.54-2 90°	Voice station audio interface	Connect a speaker to has this function).	o announce the s	tation by voice (only BI	.2000-MBQ-V4.3S			
			connection diagram	l					
SH		XH		DS->	(F D:	ZD-DZZ			
(J5)		(16)		(J7		(J8)			
S 240 10 20 30 40 11 20 30 40		DX 247 V42	<b>5</b>	1 □ 2 ○ 3 A S S S S S S S S S S S S S S S S S S S	) 40   \( \)   102	A QND 30 ZZQQ			
Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.									

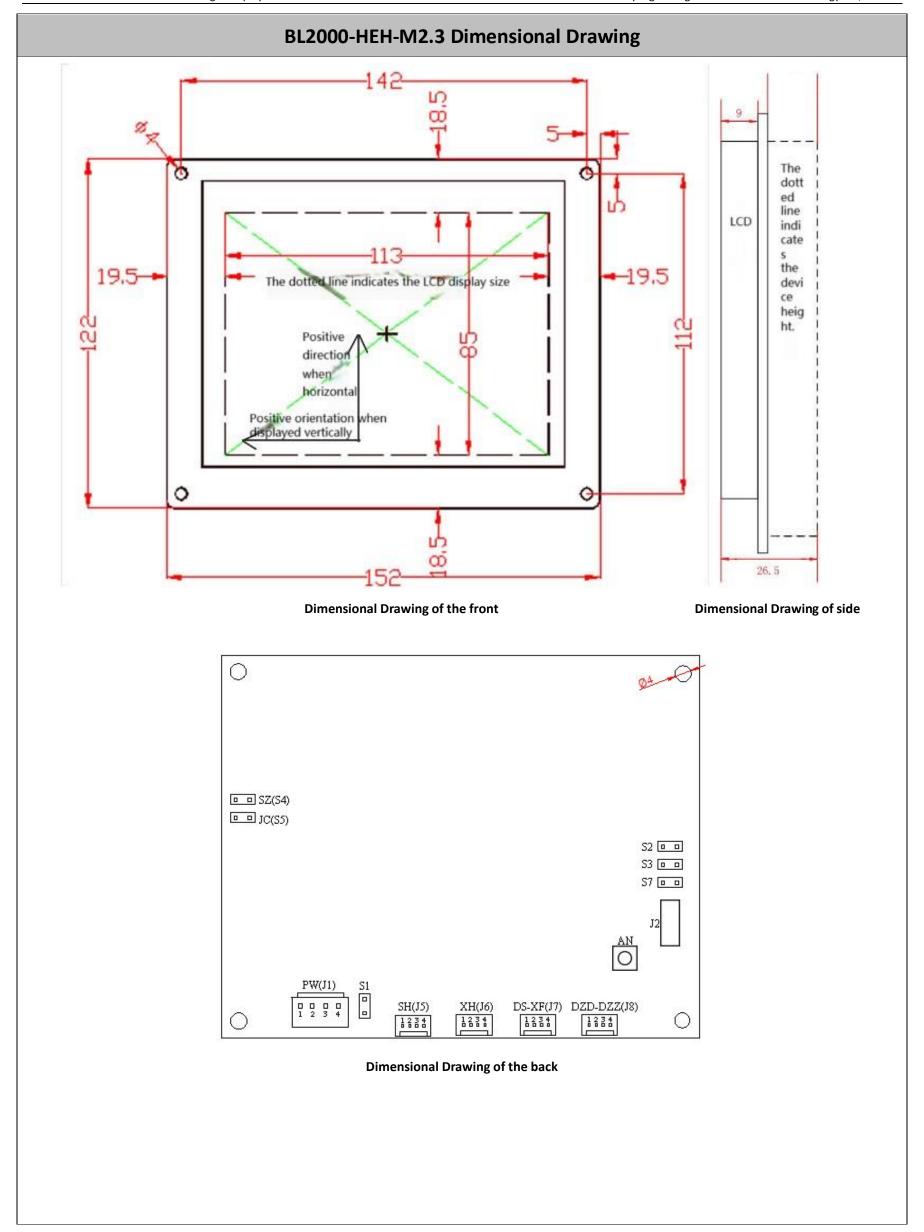


	Model		BL2000-HEH-L4				Order information on: conventional supply cycle			
LCD type			4.3inch TFT ture color				to the same of the			
Disp	olay direction		Horizontal/Vertical				4.4.8.1. (4-77-702) 0.5.59			
DIMENSIONS OF PCB			70mm*161mm*9.6mm					1 3		
Dimensions of	f Installation Base	board		None		\$2.50 p. 372.00				
			Information for similar type							
	Model		Display color				PCB COLOR			
BL	.2000-HEH-L4 I	-		ninal (with increased to ion to reserving wiring			Green			
Terminal definition and function description										
Terminal	Terminal	Fund	tion	Pin definition						
Terminal	specifications	Tune		1	2		3	4		
PW(J1)	3.96-4 90° (Straight L4 L)	Power &com	nmunication	24V	GND		CANH	CANL		
SH(J5)	2.54-4 90° (Straight L4 L)	Up cal	ll port	Up call answer(SD)	24V		24V	Up call input(SH)		
XH(J6)	2.54-4 90°	Down c	all port	Down call	24V		24V	Down call input(XH)		
DS-XF	(Straight L4 L) 2.54-4 90°			answer(XD)	Serial par	king				
(J7)	(Straight L4 L)	Serial parl	king input	24V	input(D	_	24V	Serial fire service(XF)		
DZD-DZZ	2 54 4 00°				- 1		A			
(18)	2.54-4 90° (Straight L4 L)	Arrival sign	nal output	Up arrival lamp output(SDZ)			Arrival bell output(DZZ)	GND		
(Optional)										
<b>S1</b>	2.54-2 90°	Serial comr terminal resis		Short jumper to connect serial communication resistor.						
S2	2.54-2 90°	No	ne	Reserved.						
USB(S3)	2.54-2 90°	USB mod	e jumper	Short the USB jumper,power on again ,rnter the USB disk connection,at this time ,connect the computer rhrough the Mini-USB interface to change files.						
				Short the SZ jumper alone, power on again to enter the address setting interface, and						
				use the up and down call buttons to set the address. After set, disconnect the SZ						
SZ(S4)	2.54-2 90°	Address jum	per setting	jumper, the layer number flashes, and the screen restarts to save successfully. At the						
				same time, short the SZ and JC jumpers and power on again to enter the setting						
				menu. For detailed information, Refer to Appendix.						
10(07)		<b>.</b>		Short JC, power on again to enter the detection mode. In the detection mode, the						
JC(S5)	2.54-2 90°	Detection	n jumper	screen will enter the automatic demonstration mode. The highest floor in the						
				demonstration mode can be determined by the floor station address.						
USB	Mini-USB	Connect to o	computer to	Use a Mini-USB data cable to connect to a computer, it will be recognized as a USB						
036	IVIIIII-03B	chang	e files	flash drive and can be used to replace files. For more information, see the product						
				manual.						
AN	Button	Address s	etting key	Long press to enter the layer station address setting interface, and then short press the address + 1.						
				minal connection diag	ram					
	SH		ХН		DS-XF		DZD-DZZ			
(	(J5)		(16)		(J7)		(J8) (选配			
7	7		<b>\}</b>				Г	<b>*</b>		
						$\neg$		*		
10 20	1 2 3 4 4		1 2 3 4	10 20 30 40			<u> </u>			
					24V DS 24V XF			2		
SD 24V	SH SH		S 8 8 X				<u> </u>	× 0 0		
Note: The squar	e bond pad of foo	t pins on termi	nal's back is	No.1. To the other side	e, they are No	.2, No.3 and	No.4 in sequence	е.		



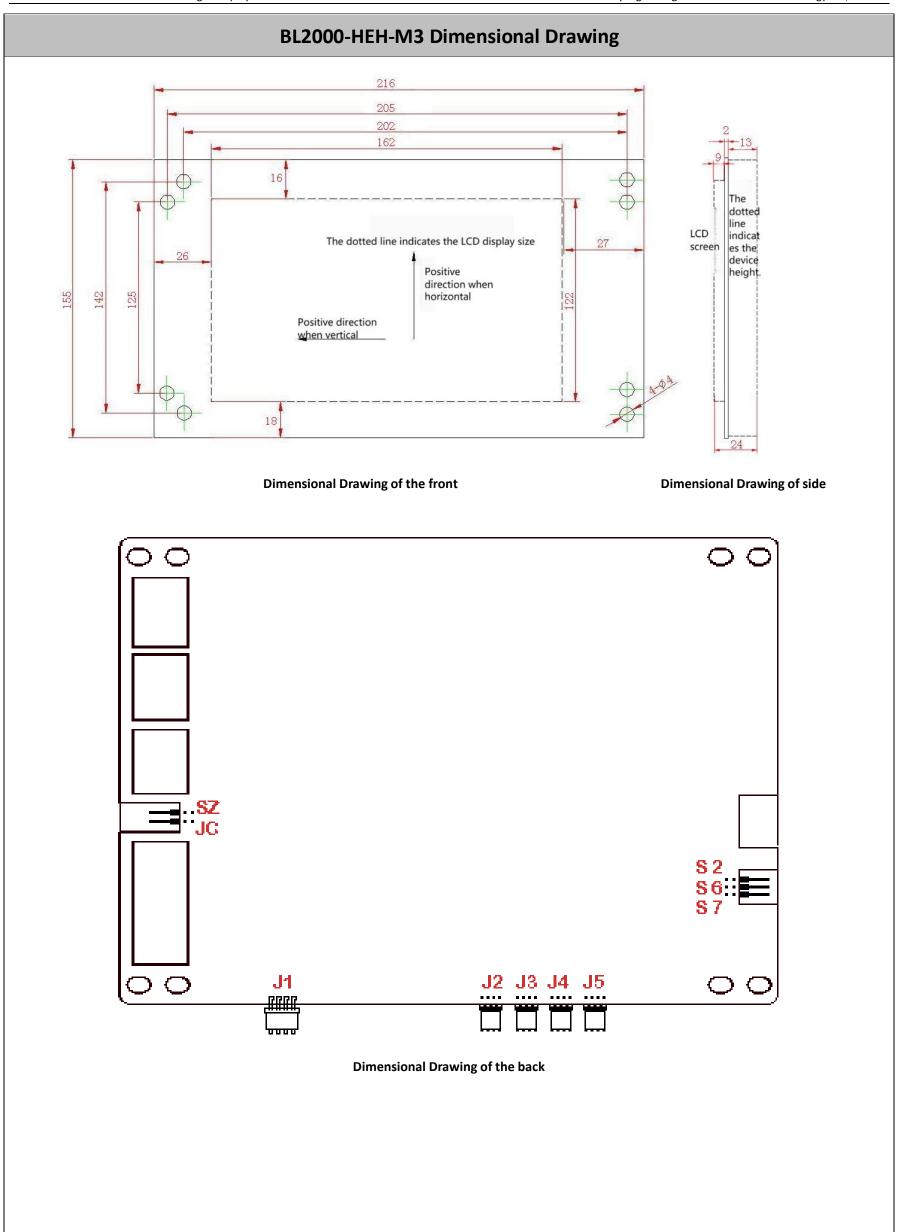


Model		BL2000-HEH	-M2.3	Order information on: conventional supply cycle					
LCD type		5.6inch TFT ture	color			ATTLE DE LA CONTRACTION DE LA			
Display direction		Horizontal/Ver	tical						
DIMENSIONS	S OF PCB	122mm*152mm*2			1	2.6 M. F.O.			
Dimensions of Instal	lation Baseboard	None		Town real	近光等 2022-06-27	08:59	0 12 0 Mg 76 C		
		Infor	mation for similar ty	nation for similar type					
	Model		Display color	PCB COLOR					
						Green			
Terminal definition and function description									
Terminal	Terminal specifications	Function	1	2	Pin defini	Pin definition			
PW(J1)	3.96-4 180°	Power &communication		GND		CANH	4 CANL		
SH(J5)	2.54-4 180°	Up call port	Up call answer(SD			24V	Up call input(SH)		
XH(J6)	2.54-4 180°	Down call port	Down call answer(XD)	24V		24V	Down call input(XH)		
DS-XF (J7)	2.54-4 180°	Serial parking and fire input	24V	Serial par input(D	_	24V	Serial fire service(XF)		
DZD-DZZ (J8)	2.54-4 180°	Arrival signal output	Up arrival lamp output(SDZ)	<u> </u>		Arrival bell output(DZZ)	GND		
<b>S1</b>	2.54-2 180°	Serial communication terminal resistor jumper	Short jumper to connect serial communication resistor.						
S3、S7	2.54-2 180°	Computer replacement file jumper	When using a computer to change files, short S4 and S7.						
S2	2.54-2 180°	Reserved function	Do not short.						
SZ(S4)	2.54-2 180°	Address jumper setting	Short the SZ jumper alone, power on again to enter the address setting interface, and use the up and down call buttons to set the address. After set, disconnect the SZ jumper, the layer number flashes, and the screen restarts to save successfully. At the same time, short the SZ and JC jumpers and power on again to enter the setting menu. For detailed information, Refer to Appendix.						
JC(S5)	2.54-2 180°	Detection jumper	Short JC, power on again to enter the detection mode. In the detection mode, the screen will enter the automatic demonstration mode. The highest floor in the demonstration mode can be determined by the floor station address.						
USB	USBA	Connect a USB drive or computer to change files	Insert the USB flash	ne USB flash drive into this port, and the file will be automatically replaced wering on again; Short S4 and S7 and power on again, and you can connect puter through this port to replace the file; For more information, see the					
AN	Button	Address setting key	Long press to enter the layer station address setting interface, and then short press the address + 1.						
		Termi	nal connection diag	ram					
SH		XH	DS-XF		DZD-DZZ		ZD-DZZ		
(J5)		(J6)		(J7)			(J8)		
24 V V V V V V V V V V V V V V V V V V V	1 0 10 0S	40302010 X Z4V X	40302010 40302010			40 S	30 20 1 D ZZ ZOX		
Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.									



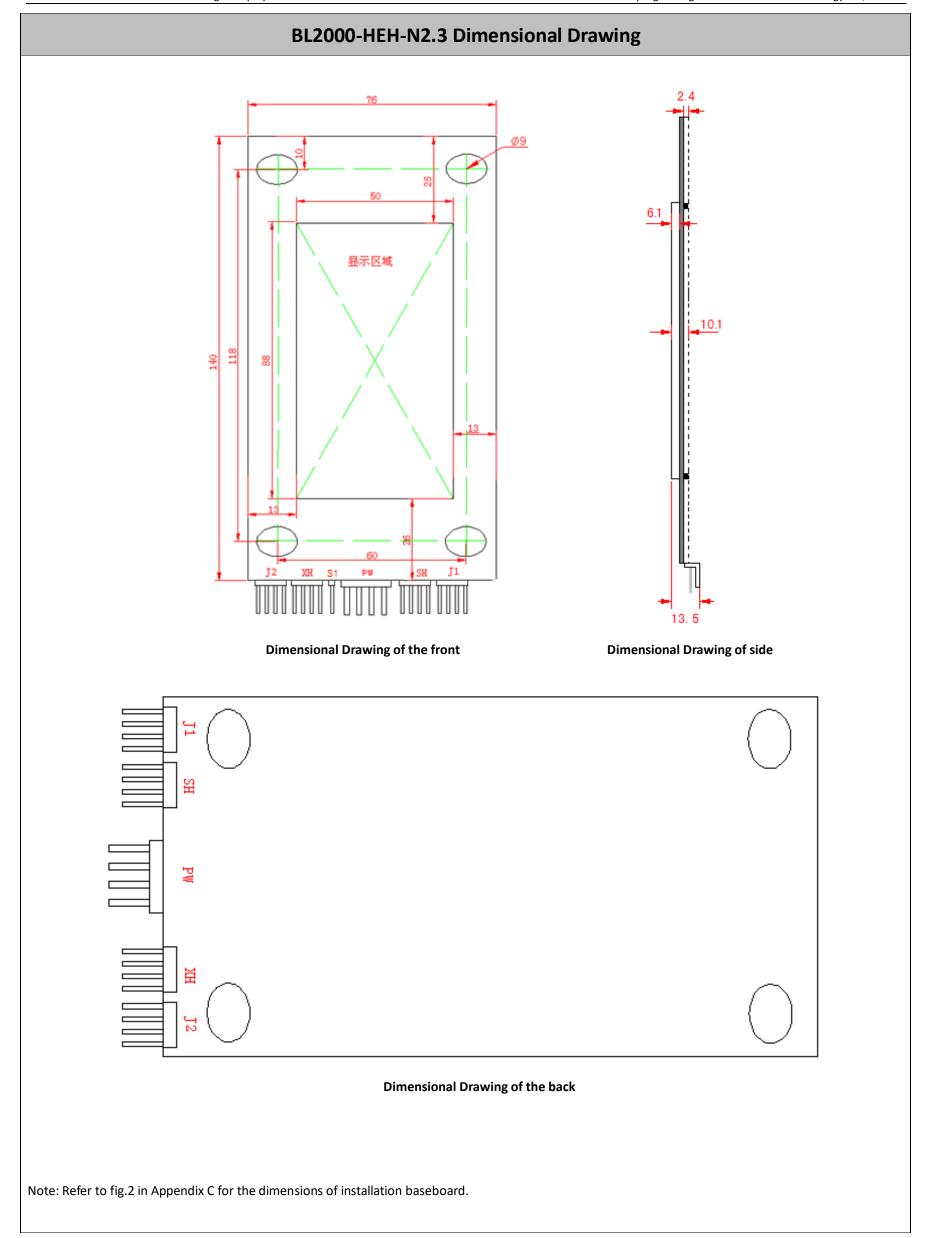
Model Selection Manual for Bluelight Display Board Shenyang Bluelight New Generation Technology Co., Lt							n Technology Co., Ltd			
Mod	el	E	BL2000-HEH	I-M3	Order information on: contact the sales manager to confirm					
LCD ty	LCD type			color	55					
Display di	Horizontal/Vertical			Section 1						
DIMENSION	S OF PCB	1	122mm*172mm*18mm							
Dimensions of Instal	lation Baseboard	None					1111			
Information for similar type										
	Model			Display color			PCB COLO	DR		
							Green			
			Terminal defi	nition and function o	description					
Terminal	Terminal		function			Pin defi	inition			
Terminal	specifications		Tunction	1	2		3	4		
PW(J1)	3.96-4180°	Power 8	&communication	24V	GND	,	CANH	CANL		
SH(J2)	2.54-4180°	U	Jp call port	Up call answer(SD)	24V		24V	Up call input(SH)		
XH(J3)	2.54-4180°	Do	own call port	Down call answer(XD)	24V		24V	Down call input(XH)		
J4	2.54-4180°	Seria	al signal input	24V	Serial parking input(DS)		24V	Serial fire service(XF)		
J5	2.54-4180°	Arriva	al signal output	Up arrival lamp output(SDZ)	Down arrival lamp output(XDZ)		Arrival bell output(DZZ)	GND		
<b>S1</b>	2.54-2180°		communication al resistor jumper	Short	Short jumper to connect serial communication resistor.					
SZ	2.54-2180°	Addres	s jumper setting	Refer to Appendix A.1 for details.						
AN		Addr	ess setting key	Refer to Appendix A.1 for details.						
<b>S7</b>	2.54-2180°	Mer	mory jumpers	SD card as memory.						
JC、SZ	2.54-2180°	Functio		Short JC and SZ at the same time, and enter the setting function after power-on. set the elevator status display, background image display and other functions. For details, see the corresponding product manual.						
				nal connection diagr		. csponun	'o product manual.			
SH						J4 J5				
HS 24 28 4 4 3 0 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		¥ 2 2 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4			X X X X X X X X X X X X X X X X X X X		GND 40 32 40	40302010 QN ZZQ ZQS		

Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.

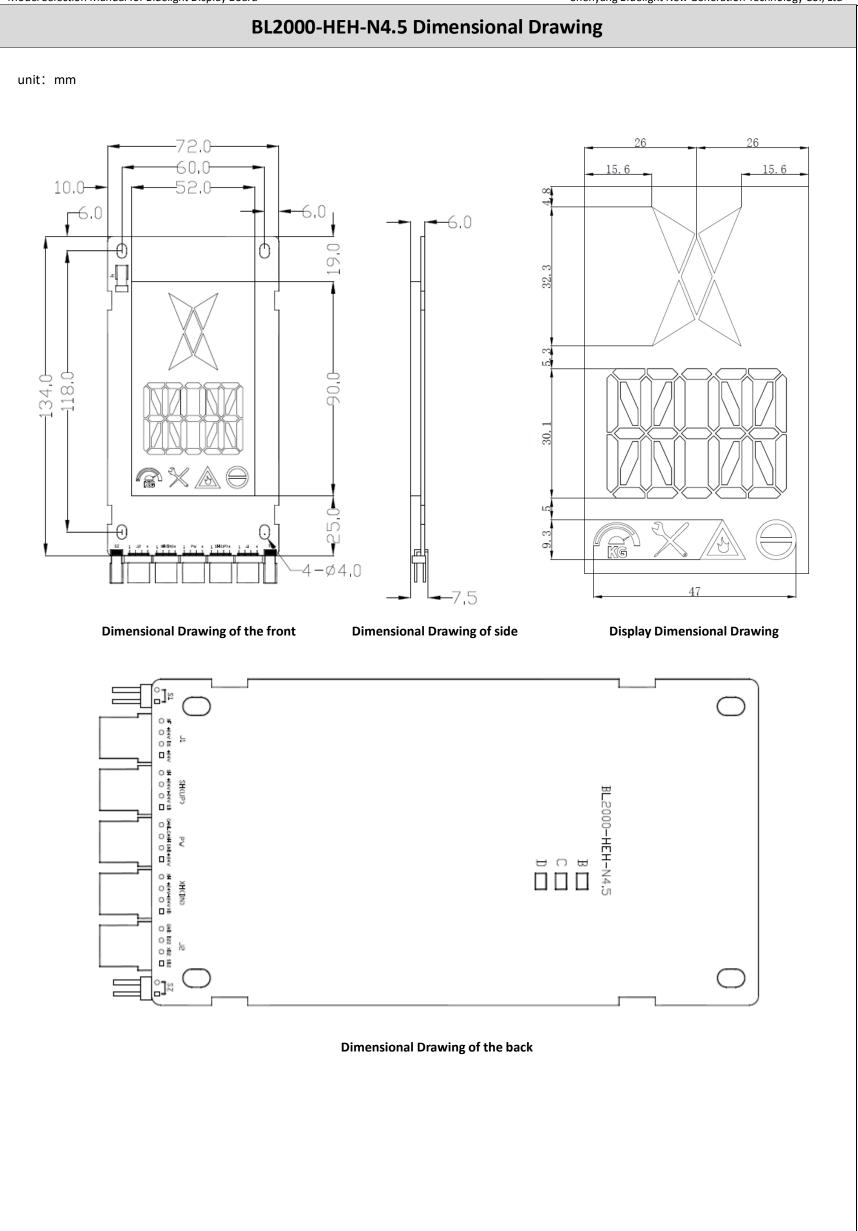


	Model			BL2000-HEH-N2	2.3	Order Ir	nformation: Conven	tional supply cycle
	LCD type			Segment LCD				s
	Display direction	ı	Vertical					
DI	MENSIONS OF PO	СВ		140mm*76mm*13.5mm			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Dimension	s of Installation	Baseboard		143mm*79mm*13mr	n			
				Information for simil	ar type			
	Model			Display color			PCB COLO	R
BL2	000-HEH-N2.3 A,	/B/C	/White	e character with Blue ba e character with Black ba w character with Black b	ackground		Green	
	T	T	Termi	inal definition and funct	ion description	on		
Terminal	Terminal	Function	n	Т		Pin defir		
	specifications			1	2		3	4
PW	3.96-490°	Power &comm	unication	24V	GND	)	CANH	CANL
SH	2.54-490°	Up call po	ort	Up call answer(SD)	24V		24V	Up call input(SH)
хн	2.54-490°	Down call	port	Down call answer(XD)	24V		24V	Down call input(XH)
J1	2.54-490°	Serial input port		24V	Serial parking input(DS)		24V	Serial fire service(XF)
J2	2.54-490°	Arrival signal	output	Up arrival lamp output(SDZ)	Down arrival lamp output(XDZ)		Arrival bell output(DZZ)	GND
<b>S1</b>	2.54-290°	Serial commun terminal resisto		Shor	t jumper to co	onnect seria	al communication res	istor.
AN		Address setti	ng key		Refer to A	Appendix A	.1 ,A.2 for details.	
ıc	2.54-290°	Checking &Fu setting jum	nction per	Short JC, after power o call button at the same display information can	time, 2 or 3	seconds lat	ter, enter the function	n setting mode, various
				Terminal connection of				
	SH		ХН		J1			J2
			10 20 30	1 2 2 3 3 4 5 2 3 3 4 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1 1 1	15	1203040
SD A 24V			XD △3 24V 24V	<b>₹</b>			ZOS	XDZ

Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.



	Model	BL2000-HE	H-N4.5		Order information on: B conventional supply cycle.C/D contact the sales manager to confirm			
	Display type	Segment di	splay					
	Display direction	Vertica	al	-				
DI	MENSIONS OF PCB	134mm*72mn	า*7.5mm	-				
Dimension	s of Installation Baseboard	No installation baseboard						
			nation for similar type					
	Model	Display co White character with black				PCB COL	OR	
BL20	000-HEH-N4.5 B/C/D	character with black backgr character with blac	ound / Orange-green			Black		
		Terminal defin	ition and function des					
Terminal	Function	1	2	Pin defir	nition 3		4	
PW	Power &communication	24V	GND CANH			CANL		
SH	Up call port	Up call answer(SD)	24V		24V		Up call input(SH)	
ХН	Down call port	Down call answer(XD)	24V		24V		Down call input(XH)	
J1	Serial input port	24V	Serial parking input	(DS)	24V		Serial fire service(XF)	
J2	Arrival output port	Up arrival lamp output(SDZ)	Down arrival lam output(XDZ)	p Arrival bell outpu		out(DZZ)	GND	
<b>S1</b>	SERIAL COMMUNICATION TERMINAL RESISTOR JUMPER		Short jumper to conn	ect seria	al communicatio	n resistor	•	
SZ	Address jumper setting		Refer to Appe	endix A	1, A.2 for details	s.		
JC、SZ	Function setting jumper	Short JC and SZ at		-	er on,enter the for details.	function	setting mode. Refer to	
		Termin	al connection diagran	n				
	SH	хн		J1			J2	
	Square bond pad of foot pin			DS V X X			10 20 30 4 Q QNNS	

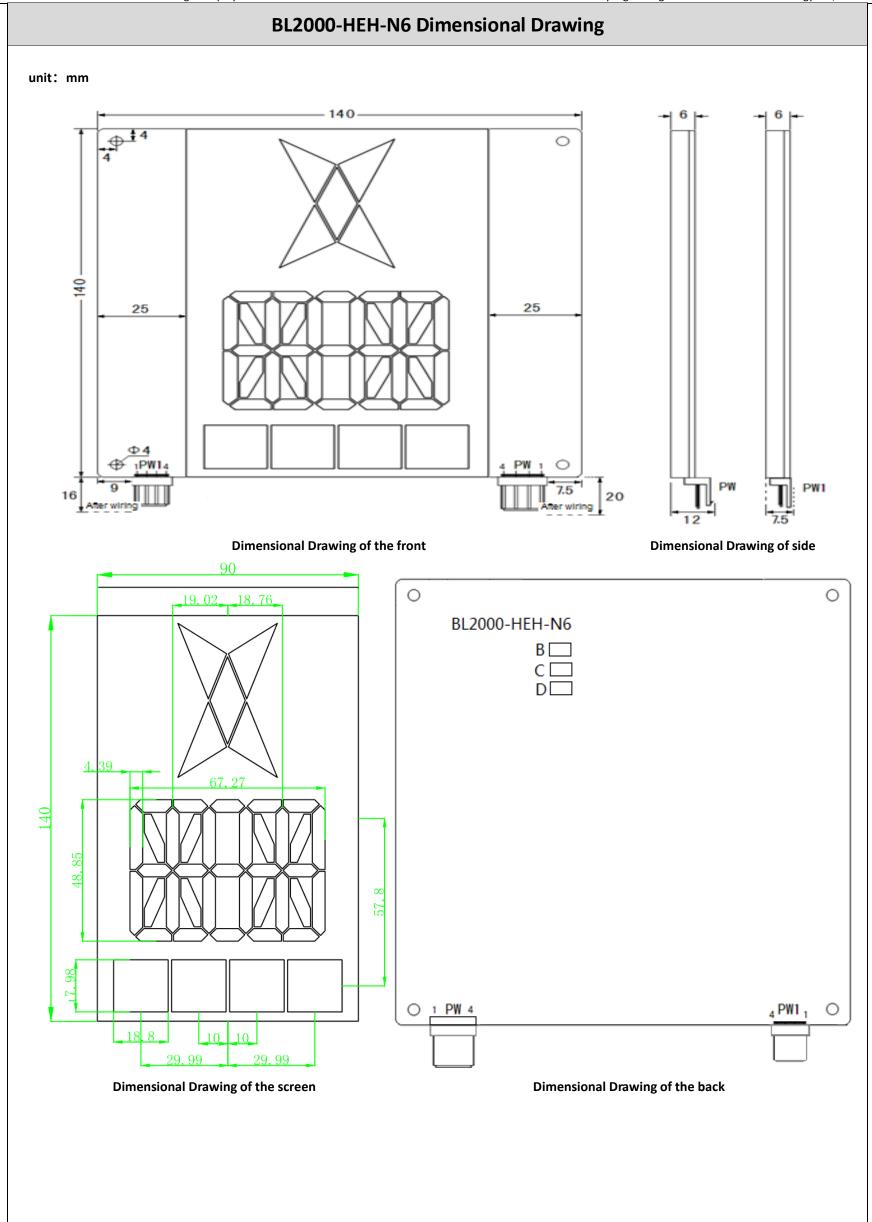


	Model	BL2000-H	EH-N6	Order Information: Conventional supply cycle			
	Display type	Segment d	splay	a processor of the control of the co			
ı	Display direction	Vertica	al		• • •		
DIMENSIONS OF PCB		140mm*140m	m*12mm		• 8 • • •		
Dimension	s of Installation Baseboard	No installation l	paseboard				
		Inform	ation for similar type	e			
	Model	Display c	olor	PCB COLC	)R		
BL2000-HEH-N6 B/C/D		White character with Black character with black background character with black	oun / Orange-greer		Black		
			ition and function de	escription			
Terminal	Function			Pin definition			
Terminai	Function	1	2	3	4		
PW	Power &communication	24V	GND	CANH	CANL		
PW1	Power &communication (Select Welding)	24V	GND	CANH	CANL		

SERIAL COMMUNICATION
S1 TERMINAL RESISTOR
JUMPER
Short jumper to connect serial communication resistor.

SZ Function setting jumper Short SZ, after power on, enter the function setting mode. Refer to appendixB.7 for details.

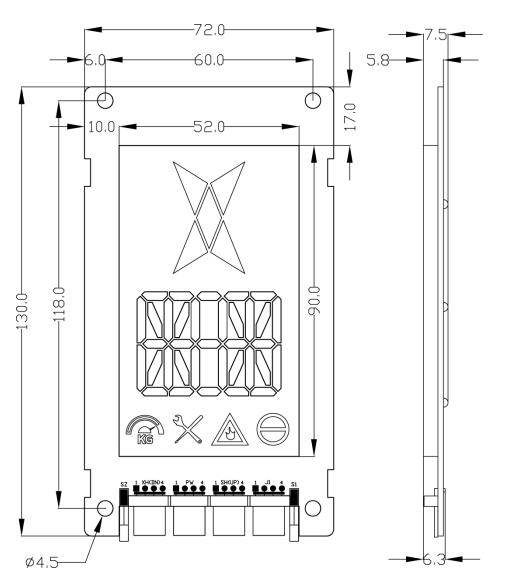
Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.



	Model	BL2000-HI	EH-N14		Order information on: B conventional supply cycle.C/D contact the sales manager to confirm			
	Display type	Segment d	isplay		O MEAN III.s O Has III.s O Has III.s O	•		
	Display direction	Vertic	al			DAXONILATO OF		
DIMENSIONS OF PCB		130mm*72mm*7.5mm (The total thickness including the terminal is 14.6mm)						
Dimension	s of Installation Baseboard	No installation						
	Model	Inform Display o	mation for similar type		PCB CO	LOR		
BL2	000-HEH-N14 B/C/D	White character with Black character with black backg character with balo	round / Orange-green		Blaci	(		
			nition and function des	cription				
Terminal	Function	1	P 2	in definitio	on 3	4		
PW	Power &communication	24V	GND		CANH	CANL		
J1	Serial parking and fire input	24V	Serial parking input	(DS)	24V	Serial fire service(XF)		
SH	Up call port	Up call answer(SD)	ll answer(SD) 24V		24V	Up call input(SH)		
хн	Down call port	Down call answer(XD)	24V		24V	Down call input(XH)		
S1	SERIAL COMMUNICATION TERMINAL RESISTOR JUMPER		Short jumper to conne	ect serial co	ommunication resistor			
SZ	Address setting & Function setting jumper		Address setting refer Function setting ref		ix A.1&A.2 for details. Indix B.6 for details.			
P	Programming port							
		Termii	nal connection diagram	1				
	SH		ХН			J1		
	OS		DX	1 2 0 3 0 4 0 2 3 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				

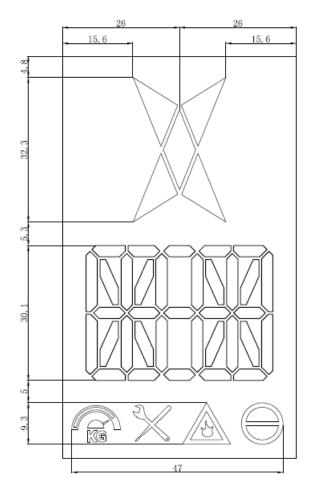
# **BL2000-HEH-N14 Dimensional Drawing**

unit: mm



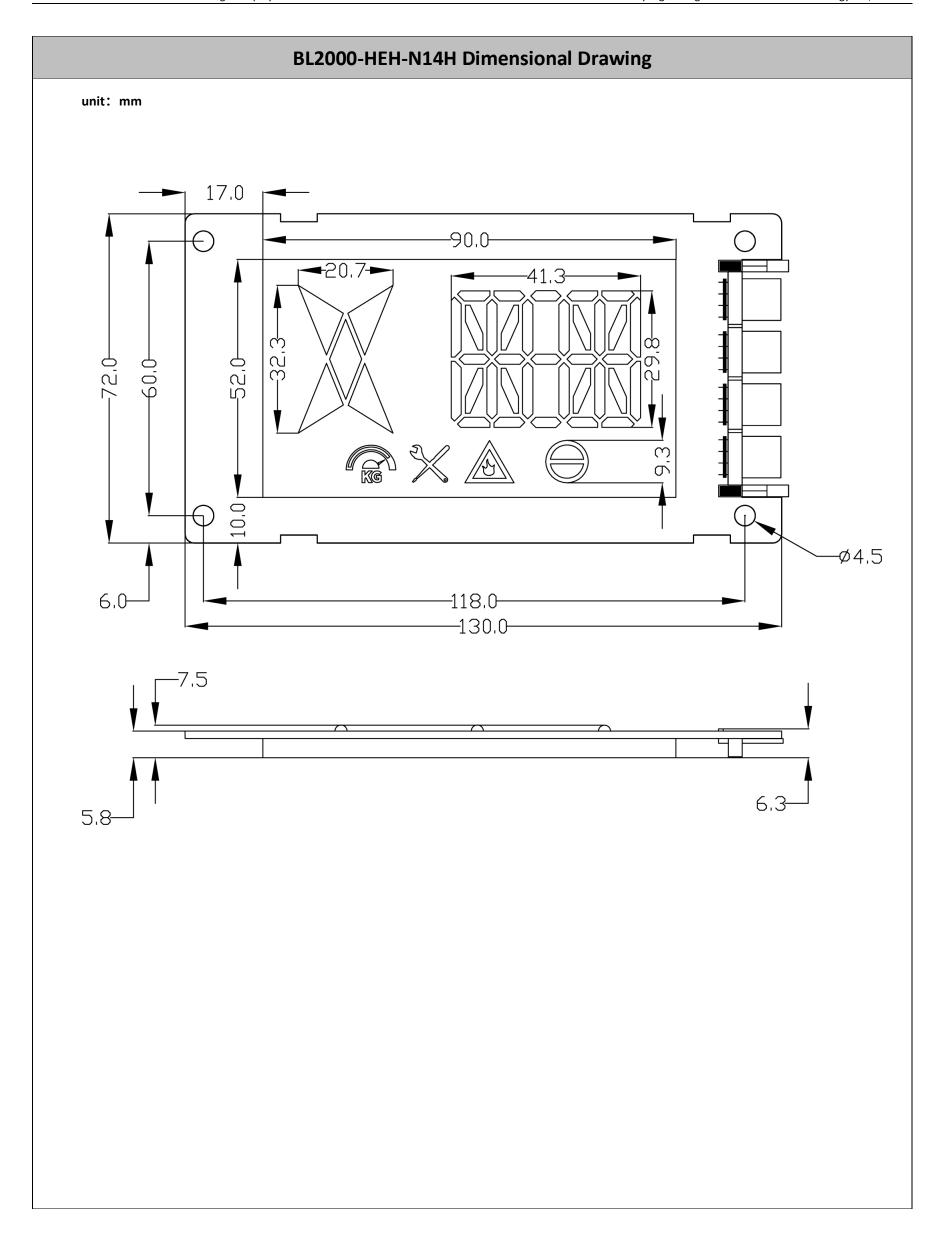
Dimensional Drawing of the front

**Dimensional Drawing of side** 

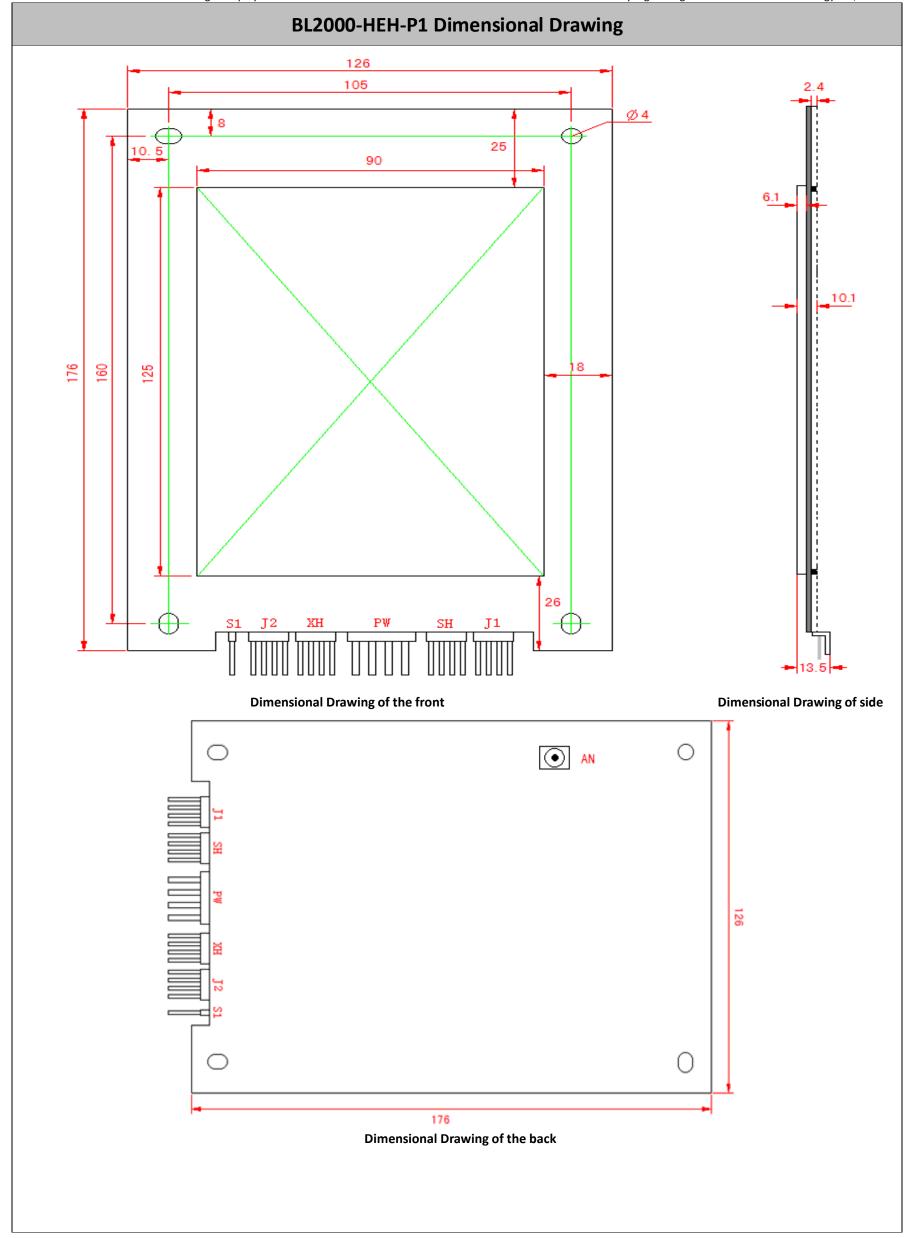


Dimensional Drawing of the screen

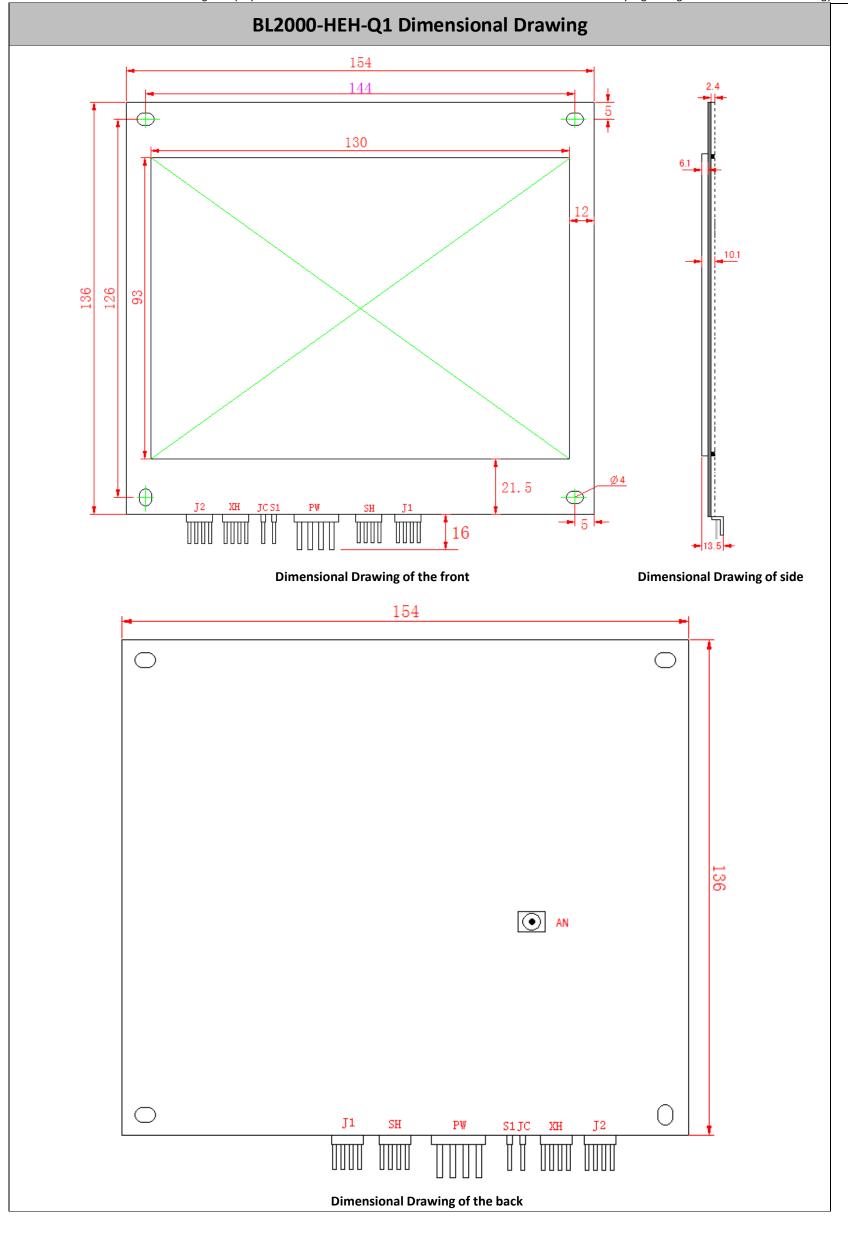
	Model	BL2000-HE	H-N14H	Order	Information:B conv	entional supply cycle	
	Display type	Segment d	isplay				
	Display direction	Horizor				M.200-MID HOT	
DI	MENSIONS OF PCB	130mm*72mr (The total thickness incl					
		14.6mn	1)	<u> </u>		<u>·</u>	
Dimension	s of Installation Baseboard	No installation					
			mation for similar type				
	Model	Display o			PCB COL		
BI	.2000-HEH-N14H B	White character with			black	(	
		Terminal defi	nition and function des	•			
Terminal	Function		T	in definitio	on	T	
		1	2		3	4	
PW	Power &communication	<b>24V</b>	GND		CANH	CANL	
J1	串行电锁及消防输入	24V	Serial parking input(DS)		24V	Serial fire service(XF)	
SH	Up call port	Up call answer(SD)	ll answer(SD) 24V		24V	Up call input <mark>(SH)</mark>	
хн	Down call port	Down call answer(XD)	24V		24V	Down call input(XH)	
S1	SERIAL COMMUNICATION TERMINAL RESISTOR JUMPER		Short jumper to conne	ect serial co	ommunication resistor	:	
SZ	Address setting & Function setting jumper		Address setting refer t Function setting ref		ix A.1&A.2 for details. endix B.6 for details.		
P	Programming port						
		Termi	nal connection diagram				
	SH		хн			J1	
Note: The	Square poud pad of foot bin	s on terminal's back is Ne	203040 203040 203040 203040	hev are No	24V DS C C C C C C C C C C C C C C C C C C		



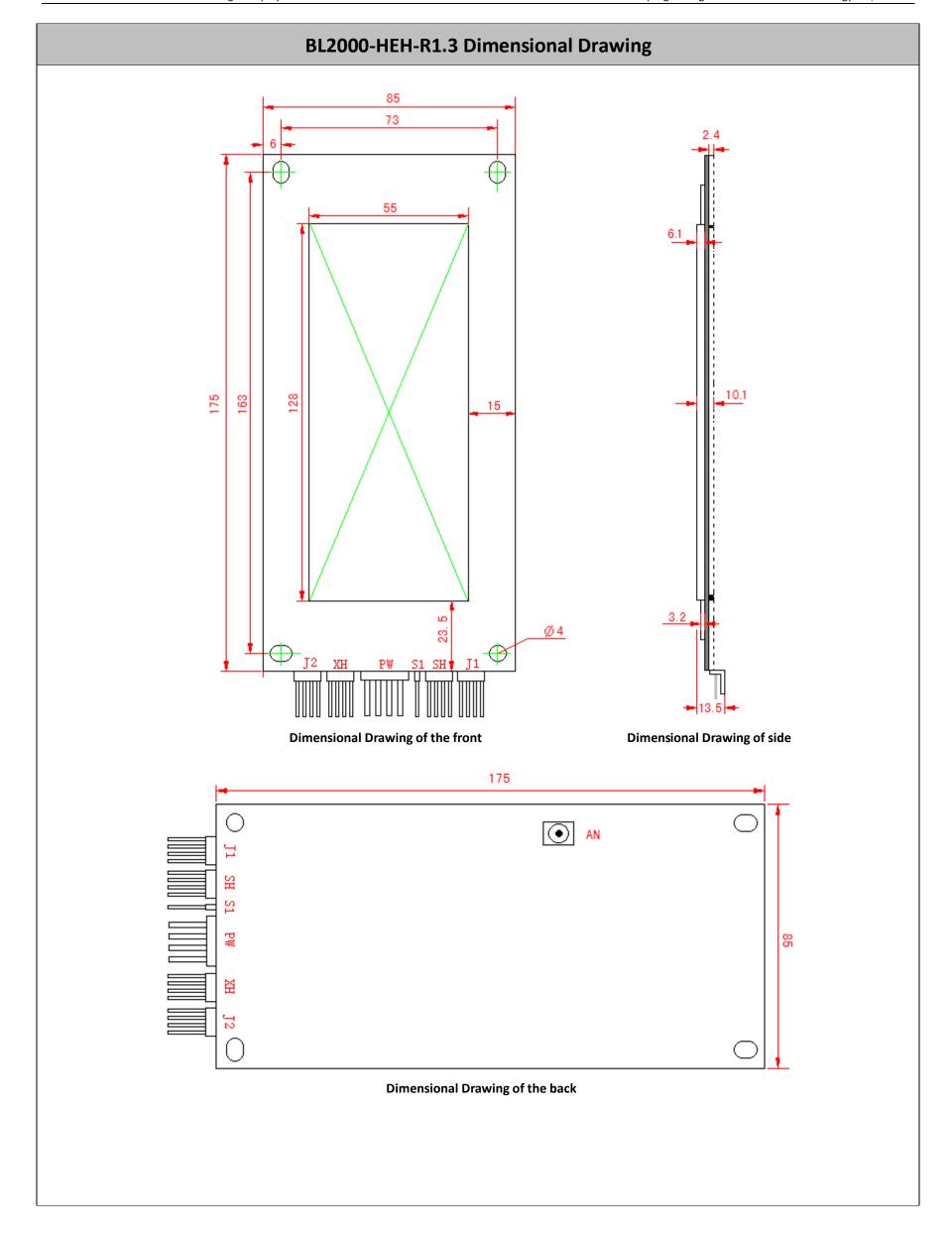
	Model			BL2000-HEH-	·P1	Order information on: A/B conventional supply cycle.C contact the sales manager to confirm		
	LCD type			Segment LCD				
	Display direction	1	Vertical					
С	DIMENSIONS OF P	СВ	176mm*126mm*13.5mm					
Dimensio	ons of Installation	Baseboard		No installation baseb	ooard	RG RG	× A ⊖	12.2000-H31-P1
				Information for simila	ar type			
	Model			Display color			PCB COL	OR
В	L2000-HEH-P1 A/I	3/C	White Yello	e character with Blue b character with Black ba w character with Black	ackground / <b>C</b> background		GREEN	ı
			Termin	al definition and functi	ion description			
Terminal	Terminal specifications	功能		1	2	Pin definitio	n 3	4
PW	3.96-490°	Power &commu	nication	<b>24V</b>	GND		CANH	CANL
SH	2.54-490°	Up call po	rt	Up call answer(SD)	24V		24V	Up call input(SH)
хн	2.54-490°	Down call բ	ort	Down call answer(XD)	24V		24V	Down call input(XH)
J1	2.54-490°	Serial input	port	24V	Serial park input(DS	_	24V	Serial fire service(XF)
J2	2.54-490°	Arrival outpu	t port	Up arrival lamp output(SDZ)	Down arrival output(XD	-	Arrival bell output( <mark>DZZ)</mark>	GND
<b>S1</b>	2.54-290°	SERIAL COMMUN TERMINAL RES JUMPER	SISTOR		t jumper to con	nect serial co	ommunication re	sistor
AN		Address settir	ng key		Refer to App	endix A.1 fo	r details、A.2	
JC	2.54-290°	Detection&Fu setting jum			at the same tim	ne, enter the	function setting	the up call button and after 2-3 seconds, and 2 for details.
				Terminal connection d	liagram			
	SH		ХН		J1			J2
1	08 42 42 10 20 30 40 10 20 30 4				1 2 3 4 4 X			2 0 3 0 4 0 QN ZQX



	Model		BL	2000-HEH-C	Order information on: A/B conventional support cycle.C contact the sales manager to confirm			
Di	LCD type			Segment LCD  Horizontal				
DIM	ENSIONS OF PO	СВ	136r	nm*154mm*13.5	mm	A C	☐ e	necesses many m
Dimensions of	of Installation I	Baseboard	No ii	nstallation basebo	pard	111		
				Information fo	or similar type			
	Mo	odel		Displa	y color		PCB COLO	OR
BL2000-HEH-Q1 A/B/C				background / <b>B</b> with Black backg character with E	cter with Blue White character ground / <b>C</b> Yellow Black backgroun		green	
	T	Ī	Tern	ninal definition an	nd function descrip			
Terminal	Terminal specifications		function		2	Pin definition		
	specifications			1	2	3		4
PW	3.96-490°	Power 8	&communication	24V	GND	CANH		CANL
SH	2.54-490°	U	p call port	Up call answer(SD)	24V	24V		Up call input(SH)
хн	2.54-490°	Do	wn call port	Down call answer(XD)	24V	24V		Down call input(XH)
J1	2.54-490°	Seri	al input port	24V	Serial parking input(DS)	24V		Serial fire service(XF)
J2	2.54-490°	Arriv	al output port	Up arrival lamp output(SDZ)	Down arrival lamp output(XDZ)	Arrival bell out	put(DZZ)	GND
<b>S1</b>	2.54-290°	TERM	OMMUNICATION INAL RESISTOR JUMPER		Short jumper to	connect serial comr	nunication re	esistor.
AN		Addre	ess setting key		Refer to	Appendix A.1, A.21	or details.	
JC	2.54-290°	Detection	n&Function setting jumper	down call button	at the same tim	•	on setting aft	he up call button and the ter 2-3 seconds, and you
					ection diagram	rations, refer to App	CHAIX D.Z TO	details.
	SH		XF		1	J1		J2
D 24 75 10 20 30 40 10 20 20 30 40 10 20 20 20 20 20 20 20 20 20 20 20 20 20		24V DS		X X X X X X X X X X X X X X X X X X X		10 20 30 40 ZOS ZOD		
Note: The so	quare bond pac	d of foot pi	ins on terminal's	back is No.1. To th	ne other side, they	y are No.2, No.3 and	l No.4 in sequ	uence.



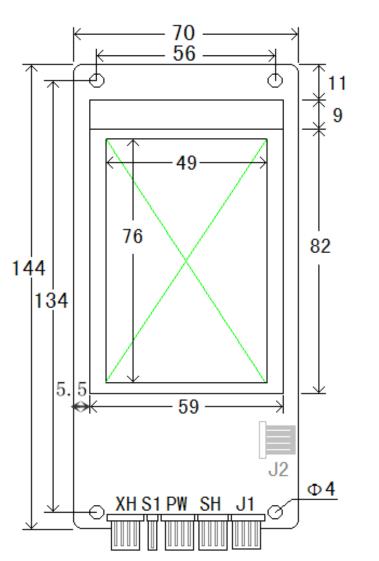
	iviariaar for Biaciight B								Ton recimology co., Eta	
	Model			BL2000-H	HEH-R	1.3	Order i	nformation on manager to	contact the sales confirm	
	LCD type			Segme	nt LCD					
Dis	splay direction			Vertical						
DIMI	ENSIONS OF PCB			175mm*85mm*13.5mm				<ul><li>♠</li><li>♠</li></ul>		
Dimensions o	Dimensions of Installation Baseboard					oard		1111 mm		
				Information fo	or simila	r type				
	Model			Displa	y color			PCB COI	.OR	
BL2	000-HEH-R1.3 B/C			acter with Blac acter with Bla				Gree	1	
						on description				
	Terminal	_				F	Pin definitio	n		
Terminal	specifications	Fund	tion	1		2		3	4	
PW	3.96-490°	Power &con	nmunication	24V		GND		CANH	CANL	
SH	2.54-490°	Up ca	ll port	Up call answ	ver(SD)	24V		24V	Up call input(SH)	
хн	2.54-490°	Down o	Down call port		all XD)	24V		24V	Down call input(XH)	
J1	2.54-490°	Serial input port		24V		Serial parkir input(DS)	ng	24V	Serial fire service(XF)	
J2	2.54-490°	Arrival ou	tput port	Up arrival output <mark>(</mark> S		•		Arrival bell output <mark>(DZZ)</mark>	GND	
<b>S1</b>	2.54-290°	SER COMMUI TERMINAL JUM	NICATION RESISTOR		Short	i jumper to conn	ect serial co	t serial communication resistor.		
AN		Address s	etting key			Refer to App	endix A.1 A	.2for details.		
JC	2.54-290°	Detection setting	jumper	the down call	l button a	at the same time	e, enter the	function setting	the up call button and after 2-3 seconds, and .2 for details.	
				Terminal conn	ection di					
9	SH		ХН			J1			J2	
SS			D		1 2 3 3 4 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1D Zds	20 30 40 ZZQX		
Note: The square	e bond pad of foot	pins on term	inal's back	is No.1. To the	e other s	ide, they are No.	2, No.3 and	No.4 in sequence	ce.	



	Tarradi Ter BraenBrie								ation reciniology co., Eta
	Model			BL2000	-HEH	I-S1	Order info	ormation on manager to	contact the sales confirm
	LCD type			Segme	ent LCD	)	0		
С	Display direction			Ver	tical				
DII	MENSIONS OF PC	В	144mm*70mm*10.2mm			<u> </u>			
Dimension	s of Installation B	aseboard	No installation baseboard			121		CENA D	
			Information for similar type						
	Model			Displa	y color	•		РСВ СС	DLOR
BL2	2000-HEH-S1 A/B/	<b>′</b> C		character with B racter with Black character with B	backg	-		Gree	en
			Termi	nal definition an	d func	tion description			
Terminal	Terminal	Functio	n			Pin	definition		
Terminar	specifications	Tunctio	••	1		2		3	4
PW	2.54-490°	Power &communic		1 24\/		GND		CANH	CANL
SH	2.54-490°	Up call p	oort Up call answei		r(SD)	24V		24V	Up call input(SH)
хн	2.54-490°	Down call	port	Down call	24V			24V	Down call input(XH)
J1	2.54-490°	Serial input	rial input port 24V			Serial parking input(DS)		24V	Serial fire service(XF)
J2	2.54-490°	Arrival outp	ut port	Up arrival la output(SD	-	Down arrival lam	•	rival bell tput <mark>(DZZ)</mark>	GND
<b>S1</b>	2.54-290°	SERIAI COMMUNIC TERMINAL RE JUMPE	ATION SISTOR		Short	t jumper to connec	t serial com	munication re	sistor
AN		Address sett	ing key			Refer to Append	dix A.1 for d	etails、A.2	
JC	2.54-290°	Detection&Fo		the down call b	utton a		enter the fu	nction setting	the up call button and after 2-3 seconds, and .2 for details.
				Terminal conn	ection	diagram			
	SH		хн			J1			J2
		0X 24V	3040 10203 203		7		1 2 3 4 0 QNS 2 ZQX 2 ZQX		
Note: The squar	re bond pad of fo	ot pins on term	inal's b	oack is No.1. To t	he oth	er side, they are No	o.2, No.3 an	d No.4 in sequ	uence.

10.2

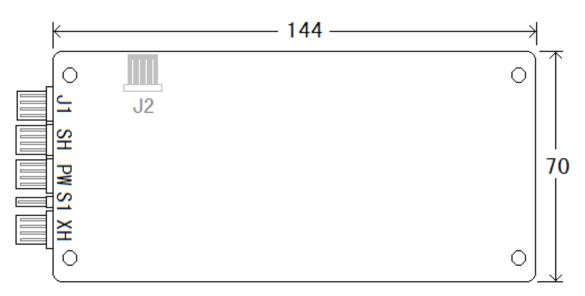
# **BL2000-HEH-S1 Dimensional Drawing**



6.1

Dimensional Drawing of the front

**Dimensional Drawing of side** 



**Dimensional Drawing of the back** 

Model	BL2000-HEH
LCD type	7inch TFT ture color
Display direction	Horizontal/Vertical
DIMENSIONS OF PCB	108mm*188mm*30.5mm
Dimensions of Installation Baseboard	None





## Information for similar type

-M7

Model	Functional Difference	Horizontal/Vertical		
BL2000-HEH-M7	7-inch True color voice display with speaker and voice function	Horizontal/Vertical		
BL2000-HEH-M7A	7-inch True color display, without speakers, without voice function	Horizontal/Vertical		
BL2000-HEH-M7B	7-inch True color voice display, with speaker, voice function, backup power input terminal, support power outage broadcast	Horizontal/Vertical		

## Terminal definition and function description

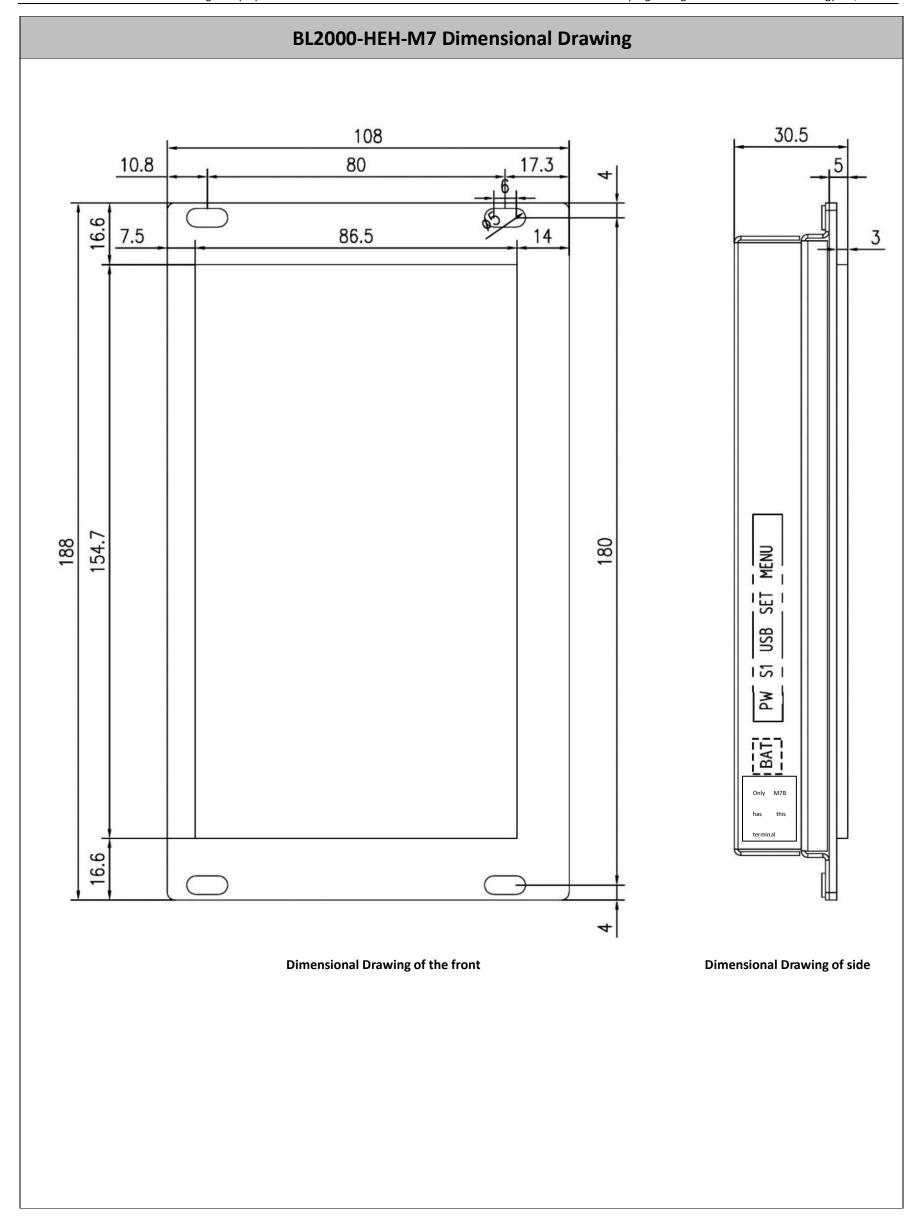
Terminal	Terminal	Function	Pin definition						
Terminal	specifications	FullCtion	1	2	3	4			
BAT (only M7B)	5.08-290°	Standby power port	Standby power+ Standby power- (12V-24V) (0V)		-	-			
PW	3.96-490°	Power &communication	24V GND CANH CAN						
<b>S1</b>	2.54-290°	Serial communication terminal resistor jumper	Short jumper to connect serial communication resistor.						
USB	USB Port	Connect U disk	Replace pictures and	d voices by connectin	ng a U-disk.				
Set	Press-key	Setting button	In menu interface, press set press-key to set parameters.						
Menu	Press-key	Setting button	Press MODE press-key to enter the menu and press MODE press-key to change menu.						

## **Functon Descriptions**

This product is a 7 inch car interior display panel, and can not be used as a calling board.

Elevator display	Display the floor, direction and status of elevator in real time.
Alarm display	Receive the elevator signal in real time, display "Overload", "Fire", "Inspection" and other warning information, which displayed in Chinese or English is avilable.
Picture playback	Loop playback pictures (bmp format).
News display	The interface can display user's LOGO, date, week and information, and keystroke adjustment, make easier operation.
USB update	Built in 128M storage space, through the U disk to achieve the update of the content of the picture, after the content is updated, the U disk can be removed, and the operation is simple and convenient.
Interface switching	Built-in horizontal and vertical interface, Chinese and English interface, users can be free to choose through the buttons on the LCD.
Voice announcement function (BL2000-HEH-M7A not available)	Built-in speaker with voice announcement function, display music, welcome words, ding-dong sound, floor voice, fire, overload, etc.

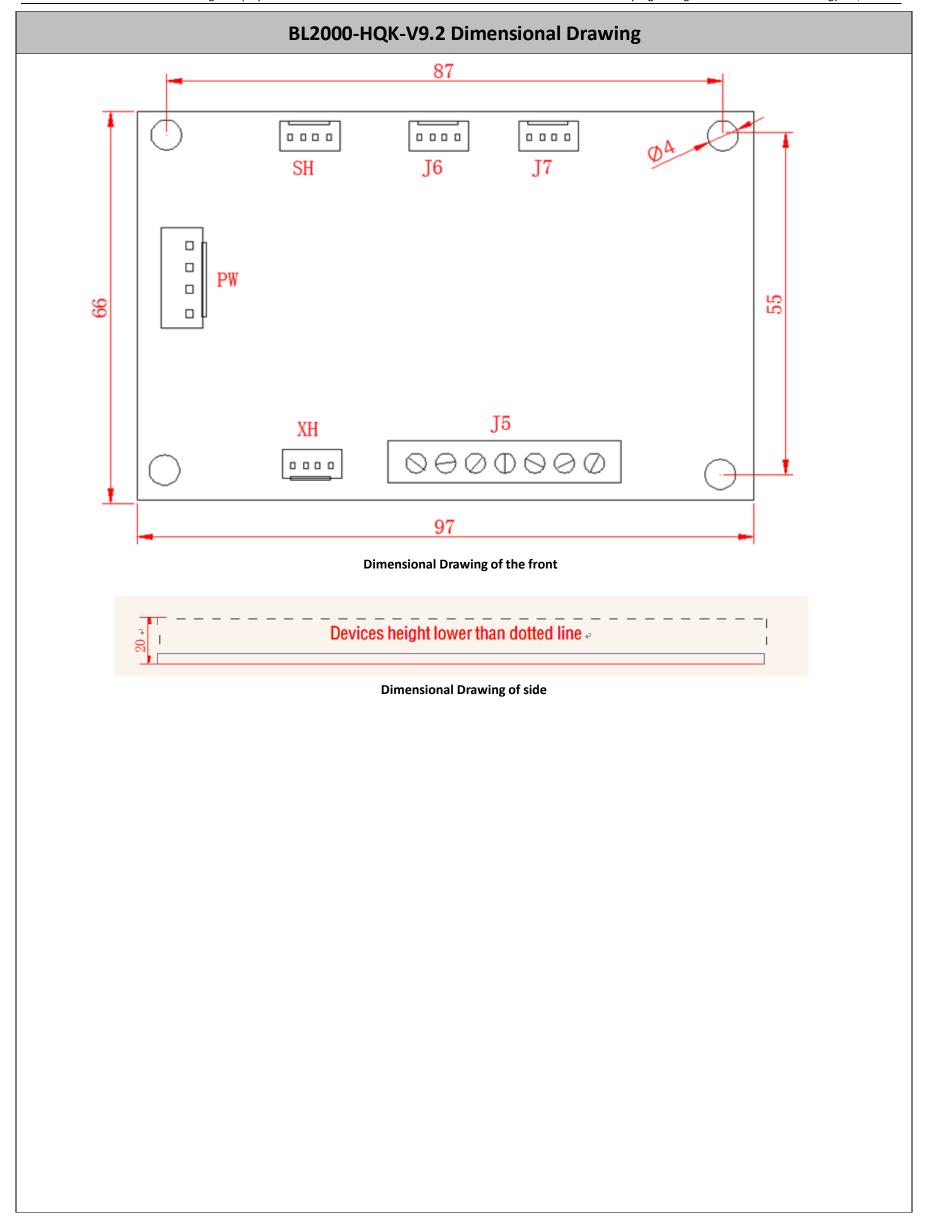
Note  $\,:\,$  The PW terminal is away from the USB interface pin 1 and closer to the USB interface pin 4.



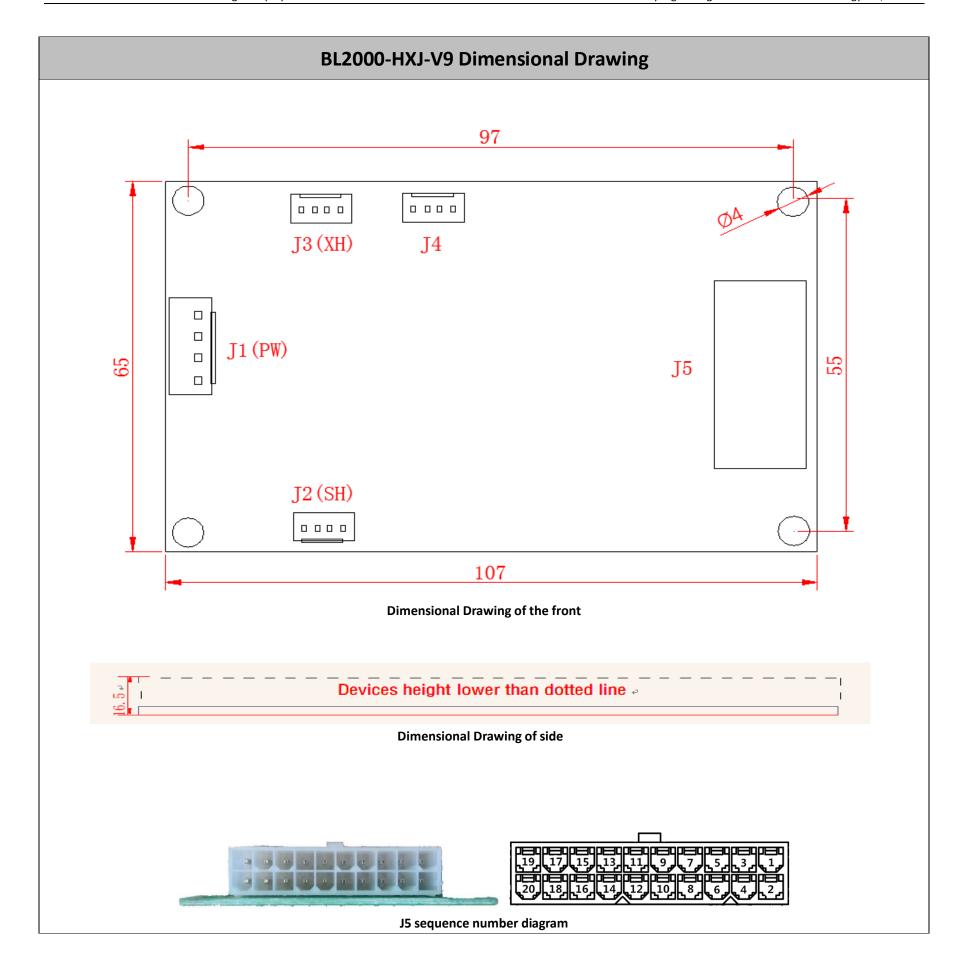
# Port-transformer Type Call Display Board

	Model		BL20	00-H	HQK-V9.2	Order	Informa	ation: Conv	entiona	al supply cycle				
Pro	duction Function	1	Calling bo	ard o	of Group control									
DIM	IENSIONS OF PC	3	66mr	n*97ı	mm*20mm			(						
Dimensions	of Installation B	aseboard	No inst	allatio	on baseboard									
			In	form	ation for similar type									
	Model				Display color			PC	CB COLO	R				
									Green					
			Terminal o	detini										
Terminal	Terminal specifications	F	unction		1	2	Pin def	3		4				
PW(J1)	3.96-4180°	Power &	communicatio	n	24V	GNI	D	CANH	Н	CANL				
SH(J2)	2.54-4180°	Uį	call port		Up call answer(SD)	24\	/	24V		Up call input(SH)				
XH(J3)	2.54-4180°	Dov	vn call port		Down call answer(XD)	24\	1	24V		Down call input(XH)				
BYO(J6)	2.54-4180°	Serial	parking input		Standby answer	24V		24V		Serial parking input(DS)				
BY1(J7)	2.54-4180°	Seria	l fire service		Standby answer	24\	1	24V		Serial fire service(XF)				
J5	5.08-7180°	Arriva	I output port		1-Up arrival lamp output(SDZ)	2-Down a		3-Arrival co	ommon	4-Arrival bell outputA(DZZ-A)				
15	5.06-7180	(Rel	ay output) <b>)</b>		5-Arrival bell outputB(DZZ-B)	6-24V		7-GND						
<b>S1</b>	2.54-2180°		OMMUNICATIO RESISTOR JUM		Short ju	jumper to connect serial communication resistor.								
SZ	2.54-2180°	Address	jumper setting	3		Refer to Appendix A.1 、 A.2for details.								
AN		Addre	ss setting key			Refer to Ap	pendix A	.1 、A.2for	details.					
JC、EN	2.54-2180°	Function	setting jumpe	r	Short JC and EN			e, enter the f		setting mode. Refer				
			Te	rmina	 al connection diagran	-	penuix E	IOI UELAIIS	J.					
SH		ХН			BY0		BY1			J5				
10 20 30 40			40 <del>X</del>		10 20 30 40	10	74 75 EX			SDZ				
N		, , , , , , , , , , , , , , , , , , ,												

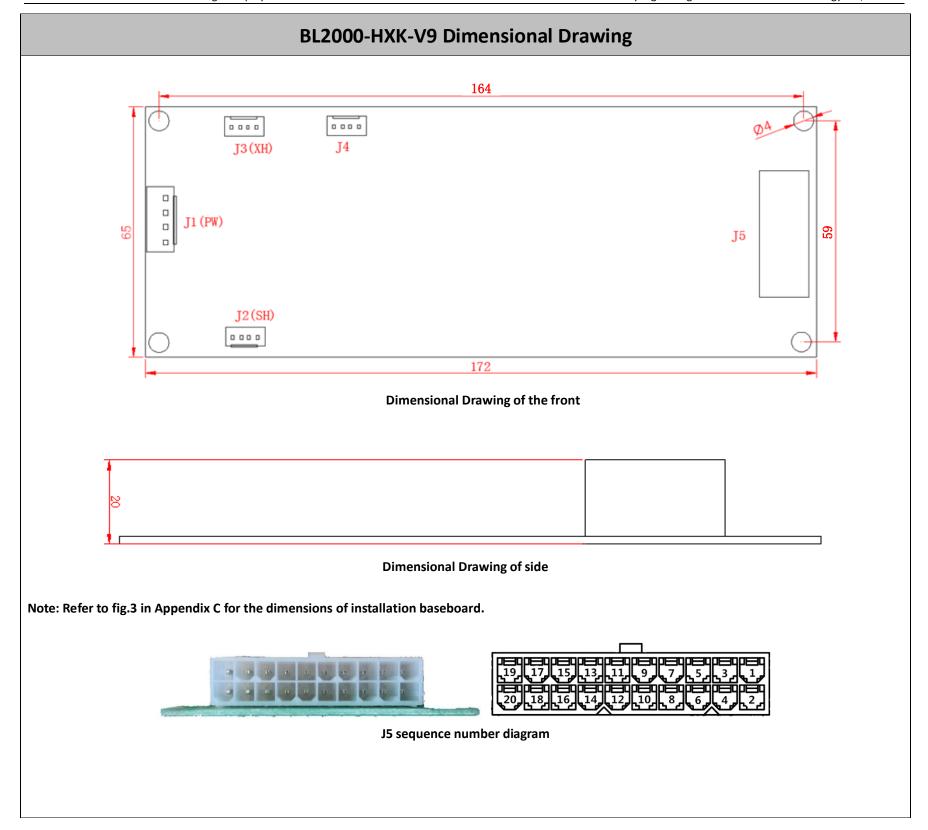
Note: The square bond pad of foot pins on terminal's back is No.1. To the other side, they are No.2, No.3 and No.4 in sequence.



Model Selection Ma	nual for Blueligh	t Display Boa	Shenyang Bluelight New Generation Technology Co., Ltd										
M	lodel		BL20	000-HXJ-V9		Order Info	ormatio	on: Conventi	ional supply cycle				
Producti	on Function		Calling boa	ard of Group control					1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
DIMENSI	ONS OF PCB		107mm	*65mm*16.5mm		8							
Dimensions of In	stallation Base	eboard	No insta	llation baseboard					March 2000				
			Terminal de	efinition and function									
Terminal	Terminal		Function	_		Pin def	inition		_				
	specifications		9	1 24V		2		3	4 CANH				
J1(PW) J2(SH)	3.96-4180° 2.54-4180°		&communication  Jp call port	Up call answer(SD)		ND 4V		CANH 24V	CANL Up call input(SH)				
	2.54-4180°			Down call		4V		24V					
J3(XH)	2.54-4180	Do	own call port	answor(VD)				24V	Down call input(XH)				
J4	2.54-4180°	Ser	ial input port	24V		parking it <mark>(DS)</mark>		24V	Serial fire service(XF)				
<b>S1</b>	2.54-2180°		COMMUNICATION L RESISTOR JUMPER	Short	jumper to	connect ser	rial com	munication re	esistor.				
SZ	2.54-2180°	Addres	s jumper setting	Refer to Appendix A.1 for details.									
AN		Addr	ess setting key		Refer	to Appendi	ix A.1 fo	r details.					
JC, DS	2.54-2180°	Functio	on setting jumper	Short JC and EN/DS at the same time, enter the function setting mode. Refer to Appendix B.5 for details.									
	J5-1		+24	V Output		J5-	11	Up run					
	J5-2		+24V Oı	ıtput Ground		J5-	12	Down run					
	J5-3	Floor dis	play: Binary bit7 B (	CD code High bit 3 Gra	ycode bit	7 J5-	13	Running					
	J5-4			CD code High bit 2 Gra			14	Overload					
	J5-5			CD code High bit 1 Gra									
			• • •					Full load					
J5(OC output)	J5-6			CD code High bit 0 Gra					ire Service				
2*10P plug-in unit	J5-7	<del> </del>		CD code Low bit 3 Gra			17	ı	nspection				
	J5-8	Floor dis	play: Binary bit 2 Be	CD code Low bit 2 Gra	ycode bit ?	2 J5-	18		Parking				
	J5-9	Floor dis	play: Binary bit 1 B	CD code Low bit 1 Gra	ycode bit	1 J5-	19		User				
	J5-10	Floor dis	play: Binary bit 0 Bo	CD code Low bit 0 Gra	ycode bit	0 J5-	20	Ar	rive Output				
	Note: The wir	ings of J5 p	ort should be carried	d out according to this	list and J5	i sequence r	number	diagram. Do ı	not refer the labels on				
	l .		Teri	minal connection diag	ram								
	J2			J3				J4					
I 10 2 OS	0 30 40 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			D									



Mo	del	BL20	00-HXK-V9	Order Information: Conventional supply cycle							
Production	n Function	Calling boa	rd of Group control								
DIMENSIO	NS OF PCB	65mm'	*172mm*20mm								
Dimensions o Basel		145mm	*202mm*30mm	20 + 20 + 20 + 20 + 20 + 20 + 20 + 20 +	men or nom or no per or nom or no per or nom or no per o						
			Terminal definition and function desc								
Terminal	Terminal	Function		Pin definition	on						
Terminal	specifications	Function	1	2	3	4					
J1(PW)	3.96-4180°	Power &communication	24V	24V	CANH	CANL					
J2(SH)	2.54-4180°	Up call port	Up call answer(SD)	24V	24V	Up call input(SH)					
J3(XH)	2.54-4180°	Down call port	Down call answer(XD)	24V	24V	Down call input(XH)					
J4	2.54-4180°	Serial parking input	24V	Serial parkir	ng 24V	Serial fire service(XF)					
<b>S1</b>	2.54-2180°	Serial communication terminal resistor jumper	Short jumper to connect serial communication resistor.								
SZ	2.54-2180°	Address jumper setting	Refer to Appendix A.1 for details.								
AN		Address setting key	Refer to Appendix A.1 for details.								
JC、EN	2.54-2180°	Function setting jumper	Short JC and EN/DS at the same time	ne, enter the funct details.	ion setting mode	e. Refer to Appendix B.5 for					
	J5-1	+	24V Output	J5-11		Fire Service					
	J5-2	+24V	Output Ground	J5-12	Fu	ll load/Overload					
	J5-3	Floor display: Binary	6 BCD code High 2 Graycode 6	J5-13	Y8-Y9	common terminal					
	J5-4	Floor display: Binary	5 BCD code High 1 Graycode 5	J5-14		Inspection					
J5 (Relay	J5-5	Floor display: Binary	4 BCD code High 0 Graycode 4	J5-15		Parking					
output)	J5-6	Floor display: Binary	3 BCD code Low 3 Graycode 3	J5-16	Y10-Y	11 common terminal					
2*10Pplug-in	J5-7	Floor display: Binary	2 BCD code Low 2 Graycode 2	J5-17		Running					
unit	J5-8	Floor display: Binary	1 BCD code Low 1 Graycode 1	J5-18		Up run					
	J5-9		0 BCD code Low 0 Graycode 0	J5-19		Down run					
	J5-10		common terminal	J5-20	Y12-Y14 c	ommon terminal					
	Note: The wirin	gs of J5 port should be carrie	ed out according to this list and J5 seque	ence number diagr	ram. Do not refe	r the labels on the plug.					
			Terminal connection diagram								
	J2		J3			J4					
	S S S S S S S S S S S S S S S S S S S		10 20 30 40 QX 20 XX		24V	20 30 40 X X					
Note: The sq	uare bond pad	of foot pins on terminal's ba	ck is No.1. To the other side, they are N	lo.2, No.3 and No.	4 in sequence.						

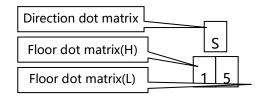


## **Appendix A Floor Address Setting**

## A.1 Setting with key-press or jumper

Keep pressing setting button or short setting jumper, 2 seconds later, it will enter floor address setting interface.

After enter this setting, direction dot matrix will show "S", and floor dot matrix will show current address setting. For example,



**s** means floor address setting

15 means address value.

As the call board, address corresponds to the floor number. That is to say the address of bottom floor call board should be set to "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.

#### First way of setting

Keep pressing setting button, 2 seconds later, the direction dot matrix shows "S". 3 flickers later, it enters address setting. The address increases from 1 to 64 and loop after press setting button or keep press setting button.

After setting address, release button, 2 seconds later, the address will flicker and be saved. Then the call board enters to normal mode.

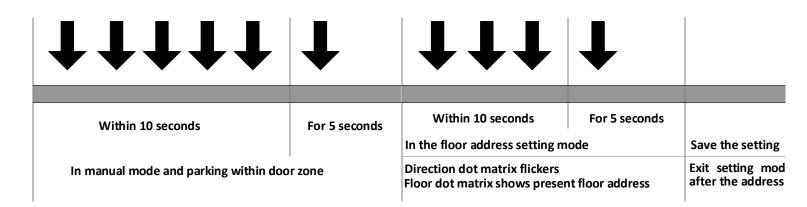
#### Second way of setting

Short setting jumper, 2 seconds later, the direction dot matrix shows "S". 3 flickers later, it enters address setting. Press up call (SH) or down call (XH) button can alter the address value.

Remove setting jumper, the direction dot matrix shows "S" and the address number will be saved after 3 times flicker. Then the call board enters to normal mode.

## A.2 Setting With Up-Call Button or Down-Call Button

When the elevator runs in manual mode and parking within door zone, address setting can be carried out by up call button or down call button (named setting button below). When the up call button and down call button all exist, anyone can be used as setting button. When setting button is in used, the other button works, this setting will be of no effect. The way of setting is as follow.



Make sure the elevator runs in manual mode and parking within door zone.

- 1. Press the setting button 5 times in 10 seconds, then press the setting button for 5 seconds, the system enters in address setting mode.
- 2. In the address setting mode, direction dot matrix will flicker. Floor dot matrix shows present floor address.

Present Floor Address= Present Floor Number from the Controller+1

3. Press the setting button 3 times in 10 seconds, and then press the setting button for 5 seconds. Present address will be saved. The floor address matrix flickers 3 times, and the call board enters in normal working mode

## **Appendix B Function setting**

## **B.1 Dot Matrix Display Call Board Setting Method**

#### **B.1.1. Setting Method**

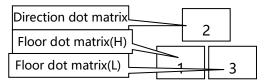
#### 1.1.1 Enter function setting

Select a nearest call board, cut off the power (remove PW). Then insert the jumper according to the setting method of the corresponding Model call board in the text, it will enter function setting.

#### 1.1.2 Function setting operation

After entering function setting, direction dot matrix will show "U" and "P" in turn. While showing "U", the number in floor dot matrix is current custom number. While showing "P", the number in floor dot matrix is program version. Press "AN" button to enter function setting. (If no AN button on the call board, the dot matrixes flicker 3 times, and then it enters the function setting mode.)

In function setting interface, direction dot matrix shows item number and floor dot matrix shows current value. For example,



- 2 Setting Item number, 2 means inspection display setting
- 1 Car display board setting, 1 means normal display in inspection mode
- 3 Call board setting, 3 means no direction but only character display in inspection mode

Pressing AN button will switch among dot matrix. The selected dot matrix will flicker and then you can set its value. Press up call button SH and down call button XH to set the current value. For call boards without setting buttons, press the Up Call button to select the dot matrix block. The selected dot matrix will flash and the value can be set. Press the Call button to change the current setting value.

#### 1.1.3 Save and transmit setting

After setting complete, you need save current setting (Refer to 2.20 for details) of current call board.

If you want to update and synchronize all call board setting, you can enter Transmit setting item in inspection mode and static status after saving (Refer to B.1.2.21 for details.) and send setting results to other call board and car display board.

## 1.1.4 Exit setting

Remove test jumper "1.1", then the call board enter to normal mode.

#### В

If removing jumper before transmitting and saving setting, all function settings will not changed.
31.2 Setting item
1.2.1 Setting Item 0 – Setting of Car display board LED
L: Left LED setting. R: Right LED setting. Default setting: L=1, R=2.
L, R value: 0 no display, 1 used, 2 full load, 3 overload, 4 inspection, 5 fire, 6 error, 7 running 1.2.2 Setting Item 1 – Setting of call board LED
L Left LED setting. R: Right LED setting. Default setting: L=1, R=2.  L, R value: 0 no display, 1 used, 2 full load, 3 overload, 4 inspection, 5 fire, 6 error, 7 running
1.2.3 Setting Item 2 – Setting of inspection display mode
L: Car display setting. R: Call board display setting. Default setting: L=2, R=2  L, R value: 1 normal display
2 characters while stop, normal while running
3 no direction, only characters
4 no direction and floor
5 Have direction, display characters and floor in turn (Only when characters is 1 bit or 2 bit)
1.2.4 Setting Item 3 – Setting of inspection characters (Car display board is same with call board)
LR value: 01=JX, 02=INS. Default setting: 01
1.2.5 Setting Item 4 – Setting of parking status
L: Car display setting. R: Call board display setting. Default setting: L=1, R=2
L, R value: 1 normal display, black after 30 seconds from homing completed.
2 no direction, only characters, black after 30 seconds from homing completed
3 no direction and characters

4 no direction, only characters (Only for call board)

1.2.6 Setting Item 5 – Setting of parking characters (Car display board is same with call board)

L, R value: 01=ZT, 02=PARK, ( Default setting: 01

1.2.7 Setting Item 6 - Setting of full load status (Only for call board)

L, R value: 01 normal display

02 Display direction and characters
03 characters while stop, normal while running

04 Have direction, display characters and floor in turn (Only when character

is 1 bit or 2 bit) Default setting: 01

1.2.8 Setting Item 7 - Setting of full load characters (Only for calling board)

7 L, R value: 01=MZ, 02=MY, 03=FL, 04=FULL LOAD.

L R Default setting: 01

1.2.9 Setting Item 8 - Setting of overload status (Only for car display board)

L, R value: 01 normal display

8 02 Display direction and characters
03 Display characters while stop, normal while running

04 Have direction, display characters and floor in turn (Only when character is

1 bit or 2 bit)
Default setting: 03

1.2.10 Setting Item 9 - Setting of overload status (Only for car display board)

9 L, R value: 01=CZ, 02=OL, 03=OVER LOAD. Default setting: 01 L R

1.2.11 Setting Item A - Setting of fire initial status (Only for call board)

L, R value: 01 normal display

O2 no direction and floor

03 same setting as fire status setting

Default setting: 02

1.2.12 Setting Item B - Setting of fire status

L: Car display setting. R: Call board display setting. Default setting: L=1, R=1

L, R value: 1 normal display

2 Display characters while stop, normal while running

3 Have direction, display characters and floor in turn (Only when character

is 1 bit or 2 bit)

1.2.13 Setting Item C - Setting of fire characters (Car display board is same with call board)

C L,R value: 01=XF, 02=FR, 03=FIRE. Default setting: 01

1.2.14 Setting Item D - Setting of error display (Only for car display board)

L- Fault display setting, only valid for the control panel display panel

Error display: Error F, Door open error n, Door close error u, Door stop error o

L value: 01 normal display
02 display characters

03 Display characters while stop, normal while running

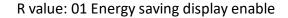
04 Display characters and floor in turn

Default setting: 03

R-Energy-saving display settings, only valid for dot matrix display panels

If the car is non-directional for more than three minutes, it will enter energy-saving mode and the dot matrix display

will dim.



02 Energy saving display is invalid

Default setting: 0

### 1.2.15 Setting Item E - Setting of direction arrow

E L R L value: 0 thin arrow 1 thick arrow

R value: 1 no roll while running

2 roll while running

Default setting: 01

#### 1.2.16 Setting Item F - Display mode



L value: 0 pull screen while floor changed, 1 vertical roll while floor changed, 2 horizontal roll while floor changed, 3 no roll

while floor changed Default setting: 0

R value: 0 no floor flicker while deceleration, 1 floor flicker while

deceleration
Default setting: 0

## 1.2.17 Setting Item G - Setting of arrival lamp and arrival bell



L Arrival lamp: 0 flicker

R Duration time of arrival bell: (2+N\*0.5) seconds

1 no flicker

Default setting: 00

#### 1.2.18 Setting Item H - Display setting



L: Display area setting of the third characters while three characters

While three characters, the third character can be set by custom through mainboard setting. There are 15 characters can be selected, the relation of display is as below:

Mainboard setting	<u>A</u>	В	<u>C</u>	D	<u>E</u>	<u>F</u>	G	Н	<u> </u>	J	K	L	M	N	0
Character display while	Α	В	O	D	Е	F	G	Ξ	_	J	K	L	Μ	Ζ	0
Character display while	Α	В	<u>C</u>	D	<u>E</u>	0	1	2	3	4	5	6	7	8	9

R: When only single character, setting for its position (Only for 11\*7 dot matrix)

0 in the middle 1 in the right

Default setting: 00

#### 1.2.19 Setting Item R - Recover to default setting

R L R

L=5, R=5 recover to default setting, R flickers and success when L=0, R=0

L R

This setting only recovers current setting to default value, no save operation.

1.2.20 Setting Item S - Save setting



L=5, R=5 save setting, S flicker and success when L=0, R=0

## 1.2.21 Setting Item T - Save and transmit setting



L=5, R=5 save and transmit setting, totally 3 times, display the odd times with L&R while transmitting.

T flickers and success to transmit setting to other call board (include car display board) when L=0, R=0. T flickers and fail when L=1, R=1.

Note: This function must be operated in inspection mode and the elevator must stop, otherwise, other call board will not receive the settings.

#### **B.2 Segment LCD Display Call Board Setting Method 1**

## 2.1 Setting Method

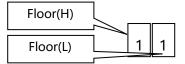
## 1 Enter function setting

Select a nearest call board, cut off the power (remove communication cable J1). Short the jumpers JC. Then power on, it will enter checking mode. Press up-call button and down-call button at the same time, 2 or 3 seconds later, it enters the setting mode.

#### 2. Function setting

In setting mode, floor display-area displays current user code and program version. Following the character U, current user code is displayed. Following

the character P, it is current program version. Above contents flicker 3 times, and then system enters the function setting mode. Left figure displays setting item code, and right figure displays current function number.



1 Setting item code, that means call display setting in parking period.

 $1\ means\ system\ displays\ normally\ in\ parking\ period.\ Arrived\ at\ the\ base\ floor\ 30\ second\ later,\ system$ 

displays offPress up-call button to change setting item, and press down-call button to change the current set value.

#### 3. Save and transmit set value

To finish this function setting, current setting should be saved. (Refer to **B2.2.15** for details)

If the whole call system update is needed, enters *transmit set* item(Refer to **B.2.2.16** for details) after saving operation and the car is in INSP and parking status, and transmit the setting to other call boards and COP display boards.

#### 4. Exit the Setting Mode

Pull out the JC jumper, and system enters normal work mode.

If pull out the jumper before transmitting and saving parameters operations, all the function parameters will not be changed.

#### **B.2.2 Setting Items**

B.2.2.1 Setting Item 0 - COP display Parking Status Setting

N Value: 1 Normal display. Arrive at the base floor 30 seconds later, display off.

0 N

2 Not display direction and floor, but display  $\ominus$  sign, and arrive at base floor 30 seconds

later, display off. 3 Display off.

Default: 1

B.2.2.2 Setting Item 1 - Call Board display Parking Status Setting

N Value: 1 Normal display. Arrive at base floor 30 seconds later, display off.

1 N

2 Not display direction and floor, but display sign, and arrive at base floor 30 seconds

later, display off.
3 Display off.

4 Not display direction and floor, but display ⊖ sign.

Default: 2

B.2.2.3 Setting Item 2 - Setting of error display (Only for COP display board)

N Value: 1 Normal display.

2 N

2 Display characters.

3 Display characters while stop, and display normal while running.

4 Characters and floor display in turn.

Default: 3

Error display characters: Error F, Door open error n, Door close error u, Door stop error o

B.2.2.4 Setting Item 3 - Setting of inspection characters (Car display board is same with call board)

N value: 1 Display INS while stop and normal display while running.

3 N

2 Normal-display

3 Not display direction, but display INS.

4 Not display direction and floor, but display 💥 sign.

Default setting: 2

B.2.2.5 Setting Item 4- Call Board display Inspection Status Setting

4 N

N Value: 1 Display characters INS while stop, and display normal while running.

2 Normal display

3 Not display direction, but display characters INS. 4 Not display direction and floor, but display % sign.

Default setting: 2

B.2.2.6 Setting Item 5 - Fire Initial State Display Setting (Only for call board)

5 N

N Value: 1 Normal display

2 Not display direction and floor

3 The same to Fire setting

Default setting: :2

B.2.2.7 Setting Item 6 - Fire Status Display Setting for COP board

N Value: 1 Normal display

6 N

Ν

8 Ν

9 N

A N

BN

|C || N |

Shenyang Bluelight New Generation Technology Co., Ltd 2 Display characters FIRE while stop, and display normal while running. 3 Not display direction, but display characters FIRE Default: 1 B.2.2.8 Setting Item 7 - Fire Status Display Setting for call board N Value: 1 Normal display 2 Display characters FIRE while stop, and display normal while running. 3 Not display direction, but display characters FIRE Default: 1 B.2.2.9 Setting Item 8 - Display Mode N Value: 0 Not flicker at speed-change floor 1 Flicker at speed-change floor Default: 0 B.2.2.10 Setting Item 9 - Arrival Lamp Setting N Value: 0-Flicker 1-Not flicker Default: 0 B.2.2.11 Setting Item A - Arrival Gong Setting N Value: 0-7 Arrival signal last time: (2+N\*0.5) seconds Default: 0 B.2.2.12 Setting Item B - The third characters display setting for three characters display While three characters, the third character can be set by custom through mainboard setting. There are 15 characters can be selected, the relation of display is as below: Mainboard setting Character display while A В C Ε F D G Н Ν 0 Character display while A В C D Ε 5 Default: 0 B.2.2.13 Setting Item C - Elevator call button background light setting N Value: 0- No background light 1- background light on Default: 0 B.2.2.14 Setting Item T - Runtime direction flashing setting N Value: 0- Direction does not flickers when running 1- Direction does flickers when running Default:1 After the energy-saving function is turned on, the backlight of the elevator call plate will go out after the elevator has no orientation for three minutes, and the system will enter the energy-saving mode. The backlight will turn on again after the elevator has an orientation, and the system will exit the energy-saving mode.

T N

B2.2.15 Setting Item E –Energy saving function setting

N value: 0 Energy saving function disabled 1 Energy saving function on

Default: 0

2.16 Setting Item S – Save Setting

Press and hold the call button for 3 seconds, then N starts flickers and changes from 3 to 0, indicating that the current settings have been saved successfully. .

2.17 Setting Item T – Save and send setting

Press and hold the down call button for 3 seconds to start sending the settings, and send three times in total. During

the sending process, N shows the remaining number of times to send.

N flickers and changes from 3 to 0, indicating that the settings have been sent to other elevator call boards in the system, otherwise it means that the sending has failed.

Note: This function must be performed when the elevator is under maintenance and stopped, otherwise other elevator call boards will not receive parameters.

#### **B.3 Segment LCD Display Call Board Setting Method 2**

#### **B.3.1 Setting Method**

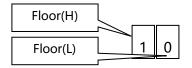
#### 1 Enter function setting

Select a nearest call board, cut off the power (remove communication cable J1). Short the jumpers JC. Then power on, it will enter checking mode. Press up-call button and down-call button at the same time, 2 or 3 seconds later, it enters the setting mode.

#### 2. Function setting

In setting mode, floor display-area displays current user code and program version. Following the character U, current user code is displayed. Following the character P, it is current program version. Above contents flicker 3 times, and then system enters the function setting mode.

In function setting mode, left figure displays setting item code, and right figure displays current function number.



1-Setting item code. That means English car status display

0- means English car status not display

Press up-call button to change setting item, and press down-call button to change the current set value.

#### 3. Save and transmit set value

To finish this function setting, current setting should be saved. (Refer to **B.3.2.10** for details)

If the whole call system update is needed, enters *transmit set* item(Refer to **B.3.2.11** for details) after saving operation and the car is in INSP and parking status, and transmit the setting to other call boards and COP display boards.

#### 4. Exit the Setting Mode

Pull out the JC jumper, and system enters normal work mode.

If pull out the jumper before transmitting and saving parameters operations, all the function parameters will not be changed.

### **B.3.2. Setting Items**

B.3.2.1 Setting Item 0 - Chinese Car Status (Full load, overload, inspection, fire) Display Setting

N Value: 0 Not display

0 N

≠0 Normal display

Default: 1

B.3.2.2 Setting Item 1 – English Car Status (Full load, overload, inspection, fire) Display Setting

N Value: 0 Not display

1 N

≠0 Normal display

Default: 0

B.3.2.3 Setting Item 2 - Parking Status Display Setting for COP board

2 N

N Value: 1 Normal display, and arrive at base floor 30 seconds later display off.

2 Not display direction, but display characters, and arrive at base floor 30 seconds later display off.

3 Not display direction and characters.

Default: 1

B.3.2.4 Setting Item 3 - Parking Status Display Setting for Call board

N Value: 1 Normal display, and arrive at base floor 30 seconds later display off.

3 N

2 Not display direction, but display characters, and arrive at base floor 30 seconds later display off.

3 Not display direction and characters.

4 Not display direction, but display characters.

Default: 2

B.3.2.5 Setting Item 4 - Parking Status Display Characters Setting (For call board and COP board, the characters are the same)

4 N

N Value: 1=ZT Default: 1

B.3.2.6 Setting Item 5 - Error Display Setting (Only for COP board)

5 N

N Value: 1 Normal display

- 2 Display characters
- 3 Display characters while stop, normal display while running.
- 4 Display characters and floor in turn.

Default: 3

Display Error: Error F, Door Open Error n, Door Close Error u, Door Stop Error o

B.3.2.7 Setting Item 6 - Display Mode

6 N

N Value: 0 Not flicker at speed-change floor 1 Flicker at speed-change floor

Default: 0

B.3.2.8 Setting Item 7 - Arrival Lamp Setting

7 N

N Value: 0-Flicker 1-Not flicker Default: 0

B.3.2.9 Setting Item 8 - Arrival Gong Setting

8 N

N Value: 0-7

Arrival signal last time: (2+N\*0.5) seconds

Default: 0

#### B.3.2.10 Setting Item 9 - Save Setting

9 N

Press down-call button, 3 seconds later, N start to flicker, and N changes from 3 to 0 which means saving current setting success.

#### B.3.2.11 Setting Item T – Save and Transmit Setting



Press down-call button for 3 seconds, transmission starts. Transmission will be carried out for 3 timers, and N shows the residual number of transmissions in processes. N Flickers and changes from 3 to 0 which means transmit to other call-boards successfully or else failed.

Note: This function must be operated in inspection mode and the elevator must stop, otherwise, other call board will not receive the settings.

### **B.4 Group Control Call Board Setting Method**

#### **B.4.1 Setting Method**

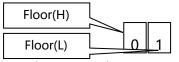
#### 1 Enter function setting

Select a nearest call board, cut off the power (remove communication cable J1). Short the jumper JC and the jumper EN (DS). Then power on, it will enter setting mode.

#### 2. Function setting

In setting mode, display-area displays current user code and program version. Following the character U, current user code is displayed. Following the character P, it is current program version. Pressing AN button or up-call / down-call button, system enters the function setting mode.

In function setting mode, left figure displays setting item code, and right figure displays current function number. For example:



0 Setting item code. That means arrival gong time setting.

1 Arrival gong time is set to 1, which means arrival signal last for 2 seconds.

Press AN button to change setting item, and press up-call button or down-call button to change the current set value.

## 3. Save and transmit set value

To finish this function setting, current setting should be saved. (Refer to **B.4.2.6** for details)

If the whole call system update is needed, enters *transmit set* item(Refer to **B.4.2.7** for details) after saving operation and the car is in INSP and parking status, and transmit the setting to other call boards and COP display boards.

#### 4. Exit the Setting Mode

Pull out the JC and EN (DS) jumper, the call board enters normal work mode.

If pull out the jumpers before transmitting and saving parameters operations, all the function parameters will not be changed.

#### **B.4.2. Setting Items**

B.4.2.1 Setting Item 0 - Arrival Gong Time Setting

Arrival gong signal last time: (2+N*0.5) seconds
N Value: 0-8
Default: 0
B.4.2.2 Setting Item 1 - Arrival Lamp Pulse Interval Setting
Arrival Lamp Pulse Interval: (1+N)*0.5 seconds
N Value: 0-8
Default: 0
B.4.2.3 Setting Item 2 - Arrival Lamp Mode Setting
N Value: 0 Arrival lamp output flickeringly according to pulse interval.
1 Continuous output while arrival lamp effective.
2 Arrival lamp output once according to pulse interval. [Note]
Default: 0
Note: While N is set to 0 or 1, the requirement of arrival lamp effective is a speed-change signal occurs in
current door zone or door is open in current door zone.
While N is set to 2, the requirement of arrival lamp effective is a speed-change signal occurs in current
door zone
Arrival amp pulse interval while N set to 0,the arrival lamp flashes according to the pulse interval time.
Arrival lamp signal
while N set to 1,continuous output when the arrival lamp is effective
while N set to 2,the arrival light outputs once according to the pulse interval time
while N set to 2, the arrival light outputs once according to the pulse interval time
Arrival light signal is established
B.4.2.4 Setting Item 3 –Call button background lamp setting
N Value: 0 no background lamp
1 with background lamp
Default: 0
B.4.2.5 Setting Item 4 –Arrival bell output distinguishes between up and down setting
N 取值: 0 Arrival bell output does not distinguish between up and down
1-8 Arrival bell output is divided into up and down, up to station ringing once, down to station ringing twice
down to station clock two output time interval (N*0.5) seconds
Default: 0
B.4.2.6 Setting Item 5- Save Setting
Press up-call button and down-call button at the same time, 3 seconds later, N start to flicker, and N changes from 3
to 0 which means saving current setting success.
B.4.2.7 Setting Item 6 - Save and Transmit Setting
Press up-call button and down-call button at the same time, 3 seconds later, transmission starts. Transmission w
be carried out for 3 timers, and N shows the residual number of transmissions in processes. N Flickers ar
changes from 3 to 0 which means transmit to other call-boards successfully or else failed.
Note 1: This function must be operated in manual mode and the elevator must stop, otherwise, other group call
board will not receive the settings.

Note 2: If there is another model call board in the same CAN communication net, with the condition which is not fulfilled Note 1, it's possible to change other model call board parameters setting.

## **B.5 Port Transformer Board Setting Method**

## **B.5.1 Setting Method**

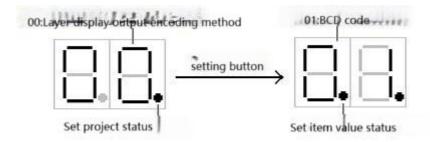
1 Enter function setting

Select a nearest call board, cut off the power (remove communication cable J1). Short the jumper JC and the jumper EN (DS). Then power on, it will enter setting mode.

#### 2. Function setting

After entering setting mode, 7-segment-code LED displays current user code and program version. Following the character U, current user code is displayed. Following the character P, it is current program version. Pressing AN button or up-call / down-call button, system enters the function setting mode.

In function setting mode, decimal points on 7-segment-code LEDs indicate tow status, the setting items or setting values. It is in selecting setting item mode while the decimal point on right 7-segment-code LED lightening on. It is in setting item value mode while the decimal points on left and right 7-segment-code LEDs all lightening on. Examples are as below.



Press setting button to switch the tow modes- Setting Items or Setting Item Value, and press up-call button or down-call button to change the current set value.

#### 3. Exit the Display Setting

Pull out the JC and EN (DS) jumper, the transformer board enters normal work mode.

If pull out the jumpers before transmitting and saving parameters operations, all the function parameters will not be changed.

#### **B.5.2 Setting Items**

B.5.2.1 Setting Item 00 - Floor-display code mode

Value: 0 - Binary Code

- 1 Binary-Coded Decimal (BCD)
- 2 Binary Gray Code

Default: 0

B.5.2.2 Setting Item 01 - Floor-display output mode

Value: 0 - Physical floor + Offset output

- 1 Main control board floor-display setting+ Offset output
- 2 Physical floor + Code table (Display conversion table provided by manufacturer) output
- 3 Main control board floor-display setting + Code table (Display conversion table provided by manufacturer) output

Default: 0

Physical floor: For the N floor lift, 0 means the bottom floor, 1 means the second bottom floor, and N-1 means top floor.

Offset: digit 0 - 9, can be changed by configuration.

- Example 1: Assuming that offset is 1. Lift stops at the 2 floor (There are 2 floors of basement), the current physical floor is 3, and the lift displays floor 2. Output in the physical floor plus offset way, the output is 3+1=4.
- Example 2: Assuming that offset is 1. Lift stops at the 2 floor (There are 2 floors of basement), the current physical floor is 3, and the lift displays floor 2. Output in the main control board floor-display setting plus offset way, the output is 2+1=3. In this way, the characters main control board set only can be digit 0 to 9, and 3-bit display is not supported.
- Example 3: Lift stops at basement 1 (There are 2 floors of basement), the current physical floor is 1, and the lift displays B1. (Corresponding to B1, the display code is 60.) In code table, TB (1) =60. Output in the physical floor plus code table way, the output is 60.
- Example 4: Lift stops at floor 13, the lift displays floor 12A. (Corresponding to 12A, the display code is 86.). Output in the physical floor plus code table way, the output is 86.

B.5.2.3 Setting Item 02 - Floor-display output offset

Value: 0-9. Default: 1

### B.5.2.4 Setting Item 03- Up arrival and down arrival output setting

Value: 0- Output in conformity to 0.5 second pulse interval when lift arrival.

1 - Arrival signal continuous output

Default: 0

#### B.5.2.5 Setting Item 04- save setting

In the item value setting mode, press up-call button and down-call button simultaneously. 2 seconds later, the 7-segment-code LEDs start to flicker. Flicker for 3 times means save success.

#### B.5.2.6 Setting Item N- Port signal output setting

N is for 11-20 representing J5-11 to J5-20.

Value: 0-22 corresponding to the output in the following table.

#### **Port Signal Output Code Table**

Code	Output signal	Code		Output signal										
00	Parking	12		Door interlock off										
01	Inspection	13		Door open										
02	Fire	14		Door close										
03	User	15		Up										
04	Manual	16		Down										
05	Auto	17		Run										
06	Error	18		Stop(No run signal)										
07	Overload	19	Full load	d*/ Overload**: *For call display board, **For COP display board										
08	Full load	20	Arı	rival output: speed-change signal come, output for 2 seconds										
09	Safeloop(Emerqency stop)		Current fl	oor output for call board display, arrival gong output for COP board										
10	Fire and stop at fire floor	21	Up arrival output	Output requirements are speed-change signal in current floor door zone or door open at current floor, and direction signal comes.										
11	Door interlock	22	Down arrival output											

#### B.6 Segment display call board setting method

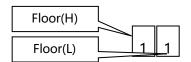
#### **B.6.1 Setting Method**

#### 1 Enter function setting

Cut off the power(remove communication cable), short the jumper SZ, then power on , it will enter checking mode

## 2. Function setting

In setting mode, Left figure displays setting item code, and right figure displays current **function num**ber.for example:



Left 1 Setting item code, that means call display setting in parking period.

Right 1 means system displays normally in parking period. Arrived at the base floor 30 seconds later, system displays off.

Press up-call button to change setting item, and press down-call button to change the current set value.

#### 3. Save and transmit set value

To finish this function setting, current setting should be saved. (Refer to B2.2.13 for details)

If the whole call system update is needed, enters *transmit set* item(Refer to **B.2.2.14** for details) after saving operation and the car is in INSP and parking status, and transmit the setting to other call boards and COP display boards.

#### 4. Exit the Setting Mode

Pull out the JC jumper, and system enters normal work mode.

If pull out the jumper before transmitting and saving parameters operations, all the function parameters will not be changed.

## **B.6.2 Setting Items**

## B.6.2.1 Setting Item 0 - COP display Parking Status Setting



N Value: 1 Normal display direction and floor, display Sign. After 30 seconds later, display off

2Not display direction and floor, display⊖sign. After 30 seconds later, display off

3 Display off.

Default: 1

B.6.2.2 Setting It	em 1 - Call Board display Parking Status Setting
	N Value: 1 Normal display direction and floor, display Sign. After 30 seconds later, display off
	2Not display direction and floor, display⊖sign. After 30 seconds later, display off
	3 Display off.
	4 Not display direction and floor, but display $\Theta$ sign.
	Default: 2
B.6.2.3 Setting It	em 2 - Setting of error display (Only for COP display board)
2 N	N Value: 1 Normal display direction and floor, display⊖sign.
	2 Display characters; display⊖sign
	3 Display characters while stop, and display normal while running. ; display⊖sign
	4 Characters and floor display in turn.
	Default: 3
	Error display characters: Error F, Door open error n, Door close error u, Door stop error o
B.6.2.4 Setting It	em 3–Car Display Board Inspection Status Setting
2 N	N Value:1 Not display direction and floor, display $ imes$ sign.
	2 Normal display direction and floor, display 🕺 sign
	Default setting: 2
B.6.2.5 Setting It	em 4- Call Board Display Board Inspection Status Setting
	N Value:1 Not display direction and floor, display ** sign.
	2 Normal display direction and floor, display sign
	Default setting: 2
B.6.2.6 Setting It	em 5 - Fire Initial State Display Setting (Only for call board)
	N Value: 1 Normal display
LEJLALJ	2 Not display direction and floor
	3 The same to Fire setting
	Default setting: :2
B.6.2.7 Setting It	em 6 - Fire Status Display Setting for COP board
6 N	N Value:1 Normal display direction and floor, display sign
	2 Not display direction and floor, display sign.  Default setting: 1
B.6.2.8 Setting It	em 7 - Fire Status Display Setting for call board
7 N	N Value:1 Normal display direction and floor, display sign
	2 Not display direction and floor, display sign.  Default setting: 1
R 6 2 9 Satting It	rem 8 - Display Mode
B.O.2.9 Setting it	N Value: 0 Not flicker at speed-change floor  1 Flicker at speed-change floor

Default: 0

B.6.2.10 Se	tting Item 9 - Arrival Lamp N Value: 0-Flicker	s Se	tting	g (E	3L20	00-F	IEH-	N14	not	app	olica	ble )	)				
Q N	1-Not flick	er															
	Default: 0																
B.6.2.11 Se	tting Item A - Arrival Gon	g Se	tting	g (E	3L20	00-F	IEH-	·N14	not	app	olica	ble )	)				
	N Value: 0-7																
	Arrival signal last tim	ie: (	2+N	*0.5	s) se	cond	ls										
	Default: 0																
B.6.2.12 Se	tting Item B - The third ch	ara	cters	dis	play	sett	ing	for t	hree	e ch	arac	ters	disp	olay			
	While three cha	arac	ters,	the	e th	ird (	char	acte	r ca	n b	e se	et b	у сі	ıstor	n th	nrou	gh mainboard setting. There are 15
	characters can be sele	cted	d,the	rela	atior	n of	of d	ispla	y is	as b	elov	v:					
LRINI	Mainboard setting	Α	В	С	D	E	F	G	Н	ı	J	К	L	М	N	О	
	Character display	Α	В	С	D	E	F	G	Н	ı	J	К	L	М	N	0	
	while L=0																
	Character display	Α	В	С	D	E	0	1	2	3	4	5	6	7	8	9	
	while L=1																
	Default: 0																
B.6.2.13 Se	tting Item C - Elevator cal	l bu	tton	bac	kgrc	ound	ligh	ıt se	tting	3							
	N Value: 0- No back 1- backgr	_		_													
	Default		_	111 0	11												
B.6.2.14 Se	tting Item T - Runtime dir	ecti	on fl	ash	ing s	etti	ng										
	N Value: 0- Direction								ning								
	1- Direction	aoe	es fli	cker	'S WI	nen	runr	ning									
DC 2.45 C-4	Default:1	. ا	_:	: 1		عد داد	l	l	: 1 -	<b></b> .	الداما:			_			
Bp.5.12 26	ting Item E - Only the one		git a	ispi	ay, w	vnet	ner	ιο α	ispia	ıy it	ırı tr	ie ce	ente	!r			
	N Value: 0-IN cent																
	1 digit dis Default:1		/														
			- o+ +	0.00	nto	r dic	برمام	con	20 E	nali	ch la	++or	c do	not	CLIE	nor	t contar dicalay
R6 2 16 Set	ting Item S –Save Setting	ieii :	secu	o ce	iiiei	uis	piay	, 501	iie c	ngii:	SII IE	illei	s uu	1100	sup	poi	t center display。
B0.2.10 3e	_	·ho	call l	hutt	on f	for 3		conc	lc +l	han	N c	tarto	flic	rkars	an,	d ch	nanges from 3 to 0, indicating that the
EN	current settings									icii	11 3	tarts	, ,,,,	CKCIS	an	u ci	anges from 5 to 0, maleating that the
R 6 2 17 Set	ting Item T –Save and sen				avec	Juc	.ccs.	Jiun	у.								
D.0.2.17 5CC	_				utto	n fo	r 3 s	seco	nds	to s	tart	sen	ding	the	set	ting	s, and send three times in total. During
	the sending proces												_				,,
	N flickers and char	ισρς	fror	n 3	to (	) in	dica	tina	+hai	. عالما							and the continuous and the continuous also the continuous and the cont
	system, otherwise i	_						_				ttıng	gs na	ave	bee	ii se	nt to other elevator call boards in the

## **B.7 Segment display board Setting Method**

elevator call boards will not receive parameters.

## **B.7.1 Setting Method**

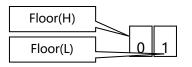
#### 1 Enter function setting

Cut off the power(remove communication cable), short the jumper SZ, then power on , it will enter checking mode

#### 2. Function setting

After setting the function, the current customer number and program number are displayed. When U is displayed, the following content is the current customer number, and when P is displayed, the following content is the current program number. After flicked 3 times, it enters the function setting.

In setting mode, Left figure displays setting item code, and right figure displays current function number.for example:



Left 0 Setting item code, that means call display setting in parking period

Right 1 means system displays normally in parking period. Arrived at the base floor 30 seconds later, system displays off.

Press up-call button to change setting item, and press down-call button to change the current set value.

#### 3. Save and transmit set value

B.7.2.5 Setting Item 4 - Display Mode

To finish this function setting, current setting should be saved. (Refer to B7.2.9 for details)

#### 4. Exit the Setting Mode

Power off ,and then pull out the JC&SZ jumper, then power on, and system enters normal work mode

If pull out the jumper before transmitting and saving parameters operations, all the function parameters will not be changed.

### **B.7.2 Setting Items**

B.7.2.1 Setting Item 0 - COP display Parking Status Setting

	N Value: 1 Normal display direction and floor, display esign. After 30 seconds later, display off
	2Not display direction and floor, display⊖sign. After 30 seconds later, display off
	3 Display off.
	Default: 1
B.7.2.2 Setting	Item 1 - Setting of error display
	N Value: 1 Normal display direction and floor, display⊖sign.
	2 Display characters; display⊖sign
	3 Display characters while stop, and display normal while running. ; display⊖sign
	4 Characters and floor display in turn, display⊖sign
	Default: 3
	Error display characters: Error F, Door open error n, Door close error u, Door stop error o
B.7.2.3 Setting	Item 2–Car Display Board Inspection Status Setting
2 N	N Value:1 Not display direction and floor, display $^ imes$ sign.
	2 Normal display direction and floor, display 🕺 sign
	Default setting: 2
B.7.2.4Setting I	tem 3 - Fire Status Display Setting
2 NI	N Value:1 Normal display direction and floor, display 💩 sign
	2 Not display direction and floor, display sign.
	Default setting: 1

N Value: 0 Not flicker at speed-change floor 1 Flicker at speed-change floor Default: 0

## B.7.2.6 Setting Item 5 - The third characters display setting for three characters display

While three characters, the third character can be set by custom through mainboard setting. There are 15 characters can be selected, the relation of of display is as below:



Mainboard setting	Α	В	С	D	E	F	G	н	ı	J	к	L	М	N	О
Character display	Α	В	С	D	E	F	G	Н	ı	J	无	L	无	无	О
while L=0															
Character display	Α	В	С	D	E	0	1	2	3	4	5	6	7	8	9
while L=1															

Default: 0

B.7.2.7Setting Item 6 - Runtime direction flashing setting

6 N

N Value: 0- Direction does not flickers when running

1- Direction does flickers when running

Default:1

B7.2.8 Setting Item 7 - Only the ones digit display, whether to display it in the center

7 N

N Value: 0-IN center

1 digit display

Default:1

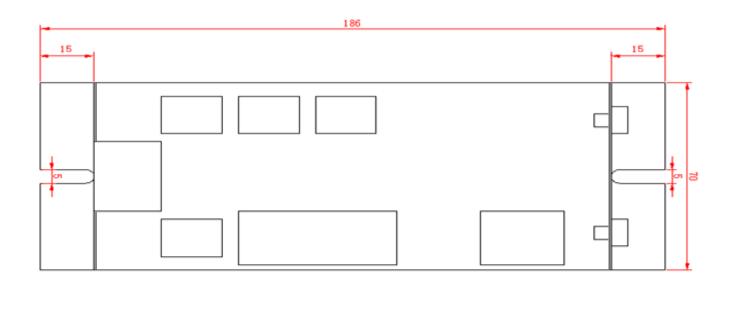
Note: When set to center display, some English letters do not support center display.

B7.2.9 Setting Item 8 –Save Setting

O NI

Press and hold the call button for 3 seconds, then N starts flickers and changes from 3 to 0, indicating that the current settings have been saved successfully.

## **Appendix C Dimensions of installation baseboard**



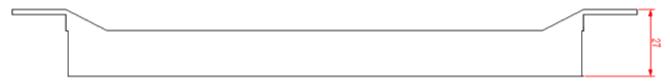


Fig1

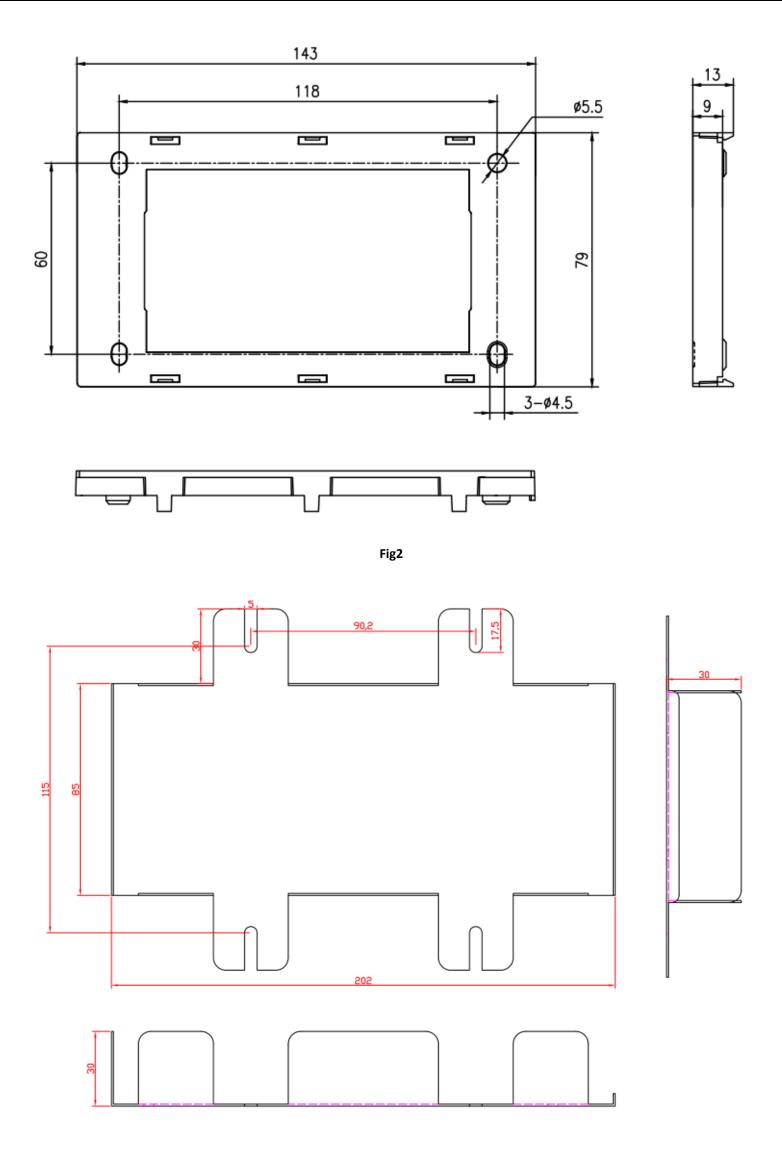


Fig 3