


GUIDE



ΐ ϛ ۔ □ ˘ ۔ ὶ ∫ ιч ι ŋ à Ⱶ ۔

ΐ ϛ GF630N01 ↓ Ł ΐ ϛ˘ Ⱨ ɢ ´

ÂGF630N01 ΐ ϛ Ł ˘ ۷ ₹˘ ⁻ ڈ

˘ ʒ Â Modbus485 ˘ ѡ ɣ ˘ ˘ ˆ ɢ Ⴏ

⁻ . ⁻ Â

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1˜ ضِ à ƀ à ˚˚ ج ˇ ۏ ŋ Ⱨ Â

2˜ ч Ḡ ˗ ɇ ŋ˘ ضِ à ƀ ɇ ˚˚ ج ˇ ˚˚ ج ǐ ΄Y Ţ
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3˜ ΄Y Ţ ľ Ŀ à ľ ҏ Ŀ ɇ ľ ˥ Ŀ Ⱨ ˇ Ь ɳ ŋ Ⱨ ˇ
˞ ƀ ч ŋ Ⱨ ˜Ḥ Â

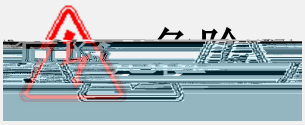
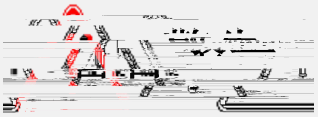
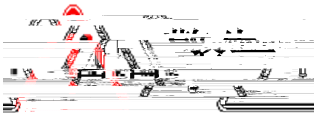
4˜ ˚˚ ج ضِ ... Ӈ ą ˇ Ɋ ↕˜ ˇ غِ ˜
Ǔ W Ð ﺵ Ь ضِ˚˚ ج Ḡ ﺡ ң ṗ Â

5˜ غِ ƀ˚˚ ج Ǔ ˗ ŋ Ⱨ à ˚˚ ˇ ˜ Ь к ѵ к Â

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˭	˭
危险	ľ ˥ Ŀ Ь ƀ˘ ↕ ` Ⱶ ɾ H
注意	ľ Ŀ ˜ ˇ Ь ƀ
警告	ľ ҏ Ŀ Ь ƀ˘ ↕˜ ` Ⱶ ɾ H

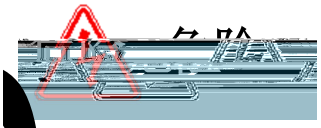
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 ضي Ⅵ № U U ₩ ṗ ڪ˜ ɣ ᴴ Â ˜ ą ΐ ڪ ġ ƀ˘ U Л № ṗ Ꝑ Â ˜ ضي Ѝ Ѝ ΐ ڪ ↿ ˘ ɣ Â à ƀ ʒ ˘ ضي ˜ 10 № ɣ U Â ΐ ڪ ضر ضر ˛ Ь ̈Ԋ ΐ ڪ ṗ Â
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 ǂ 注意  ╠ ᵒᵒ ڿ ´ ϖ , à à ỉ à ΐ ’ Â ´ ˘ Ԋ ˛ ᵒᵒ ڿ Ėᵒᵒ ڿ ƌ à à ᴴ ’ Â U ח ↿˘ ᵒᵒ ڿ ΐ̈ᵒᵒ ڿ ƌ à ϖ ŋ Â
 Ṻ ᵒᵒ ڿ ṗ à ƌ ƌ ɕ˘ ˜ ˛ Ṻ ᵒᵒ ڿ ΐ̈ᵒᵒ ڿ ƌ ᴴ à à ą ˘ ˜ ˛ ח ↿˘ Ṻ ↿ Ь ᵒᵒ ڿ O Ь ˘ ˜ ˛

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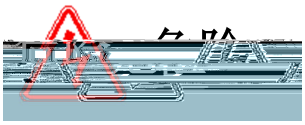


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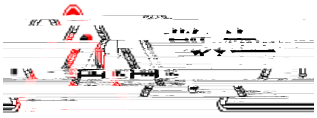


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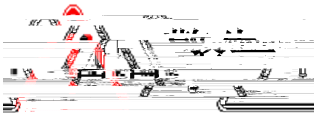


Н ض Й к v ˇ ٦ ↕ ٧ ˫
Н ض Й ٧ ڭ ج к v ð ˇ ٦ ↕ ٧ ˫
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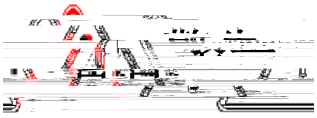


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~ ą ح L Ω Å ˇ ٦ ↕ ˫

Ḡ Ī



ˑ ˑ ╟ ˇ ڭ ج ˇ ﻫ ˇ ¨Ң ˫ Â
ˑ ˑ ╟ ˇ ˙˙˙ ˇ ѽ ش Ů ˫
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Н ض Й к v ˇ ٦ ↕ ٧ ˫
Н ض Й ٧ ڭ ج к v ð ˇ ٦ ↕ ٧ ˫



½ Ÿ Ж I F5ž N

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1˜ Ḡ

ضي Ţ Ψ Ḡ ضر ر ˘ ą Ḡ ˆ RCD˜

ڪ RCM˜˘ ą Í ڈ Ḡ ˆ RCD˜

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ضي ₩ ט B مقم Ḡ ڪˆ RCD˜ ˘ ضي Ḡ ڪˆ RCD˜

Ω˘ غ ˆ ₹ غ ضر ˘ Í L

Ғ RCD˘ ▼ φ RCD Â

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ضي ą U ꞉P ą ˘ Ạ ˘ غج

شخ Ĭ ڪ Â Ь Ĭ ڪ ˘ 500V

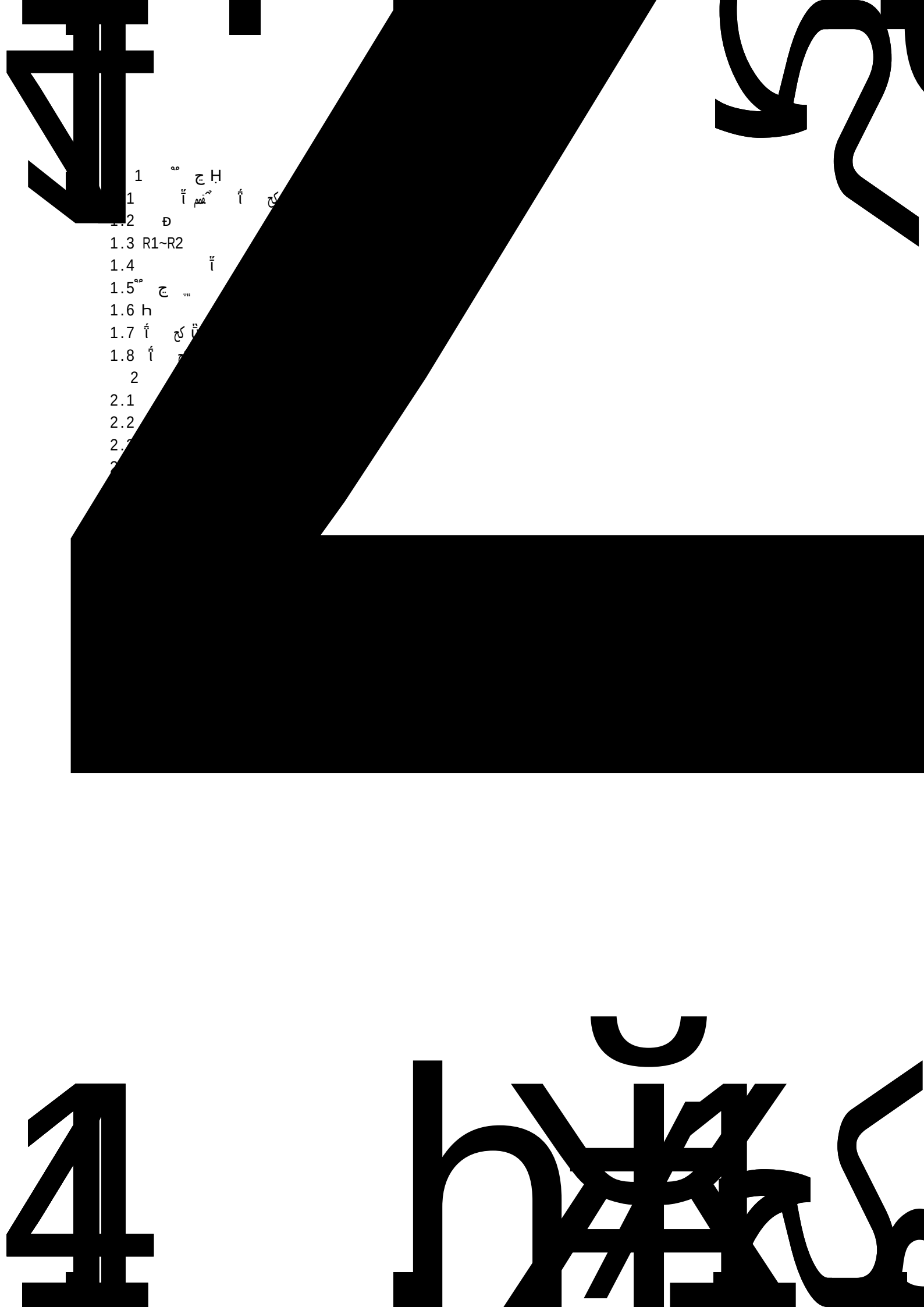
ا مقم ڈ ˘ Ḡ Ь ɢ 5M ß Â

3˜ ا ע ץ ą

ضي ي Ţ ¨Ḥ ƀ ا مخ ң ą Ĭ ڪ˜ Ĭ ڪ ṗ شخ Â

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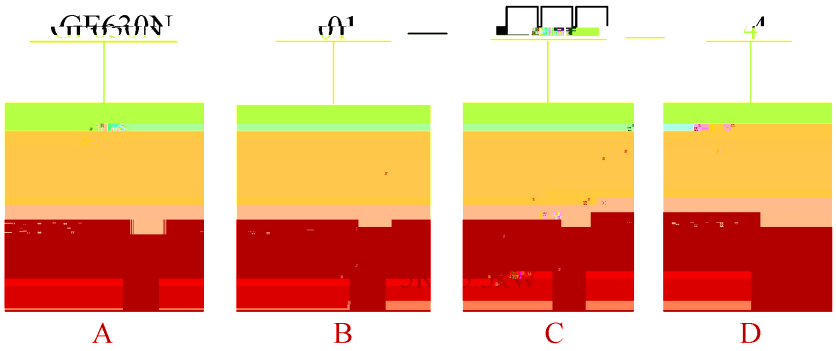
1 ٥٥ ج H
1 ٍّ أ ح
1.2 Ð
1.3 R1~R2
1.4 ٍّ
1.5٥٥ ج ...
1.6 h
1.7 أ ح
1.8 أ
2
2.1
2.2
2.
2



6.18 └ P20
6.19 └ ǎ P21
6.20 P23
6.21 3 ǎ P28
6.22 4 ǎ P29
6.23 3 └ P30
6.24 3 └ P31
7 ǎ w
7.1 ǎ └ P0
7.2 P2
7.3 ~ P3
7.4 ₹ P4
7.5 ǐ ‖ ~ P5
7.6 ǐ ‖ ₹ P6
7.7 Ḡ ǎ P7
7.8 Ω Å └ P8
7.9 ǐ P9
7.10 V/F └ ǐ 1 ǎ P10
7.11 └ ǎ P21
7.12 P19
8 ǐ
8.1 ٦
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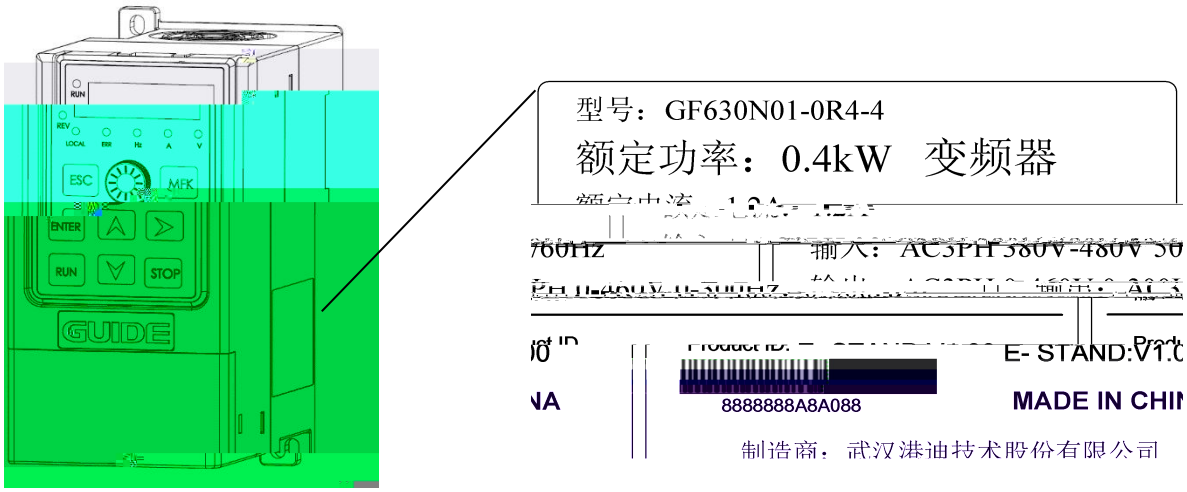
1

1.1



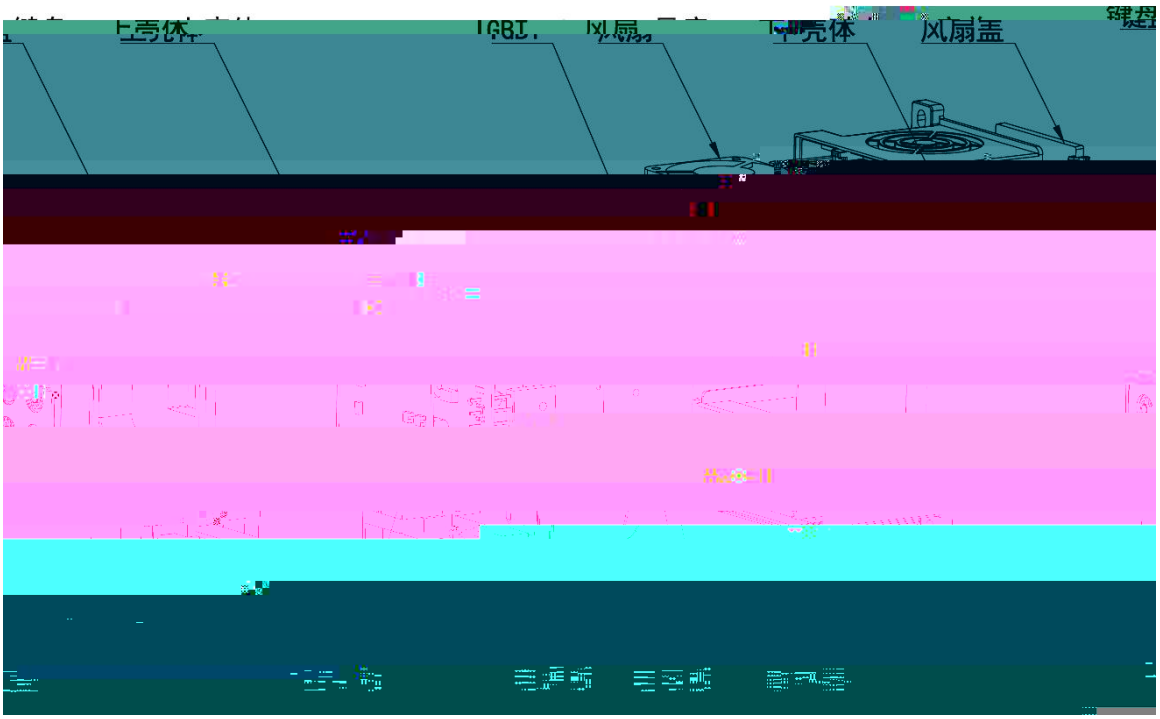
A	GF630N
B	Mini
C	0R4:0.4kW 3R7:3.7kW 5R5:5.5kW
D	4:380V

GF630N01 0.4kW



1.2 Ð

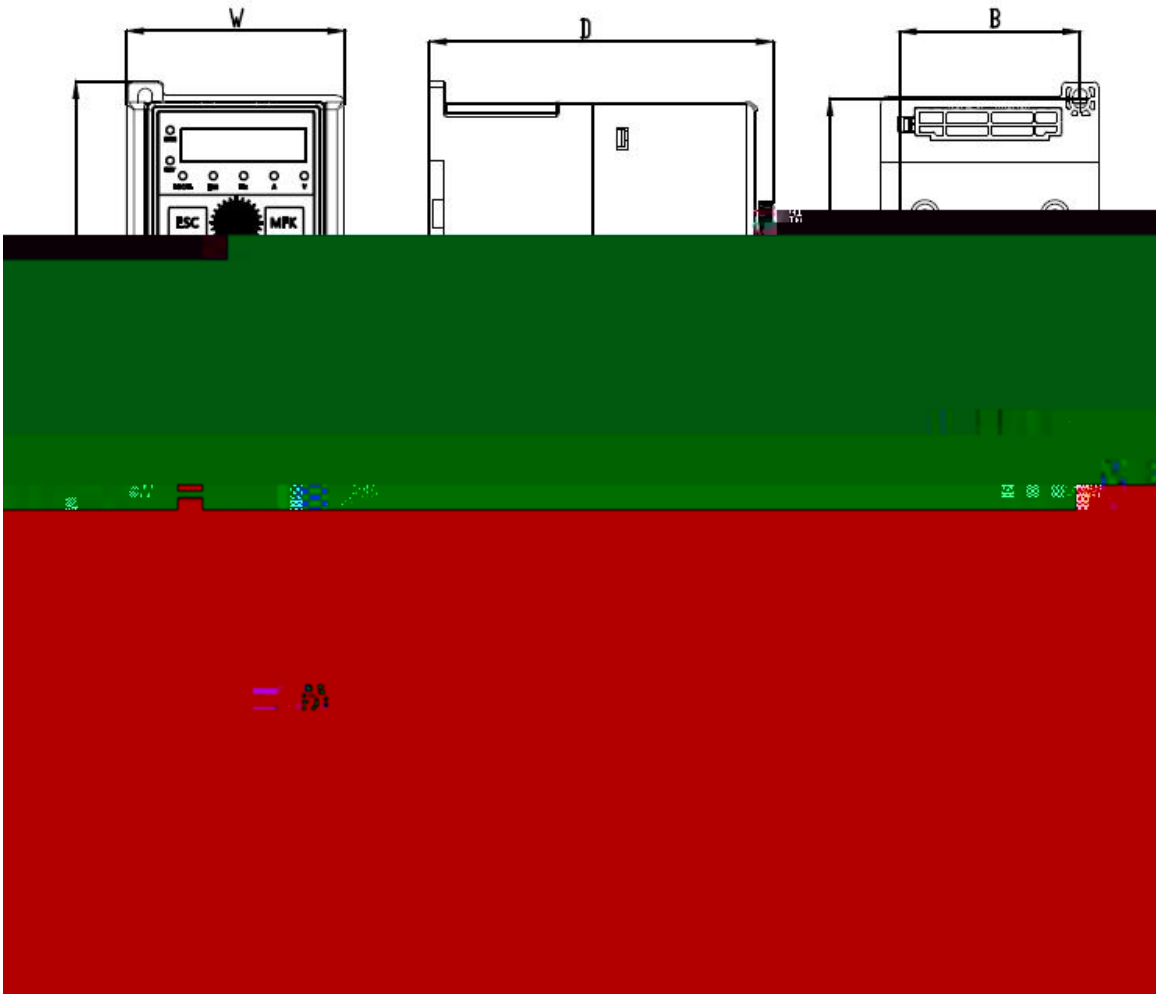
GF630N01 ↓ ÍÍ ج w № ч н ففم Й, ىد '



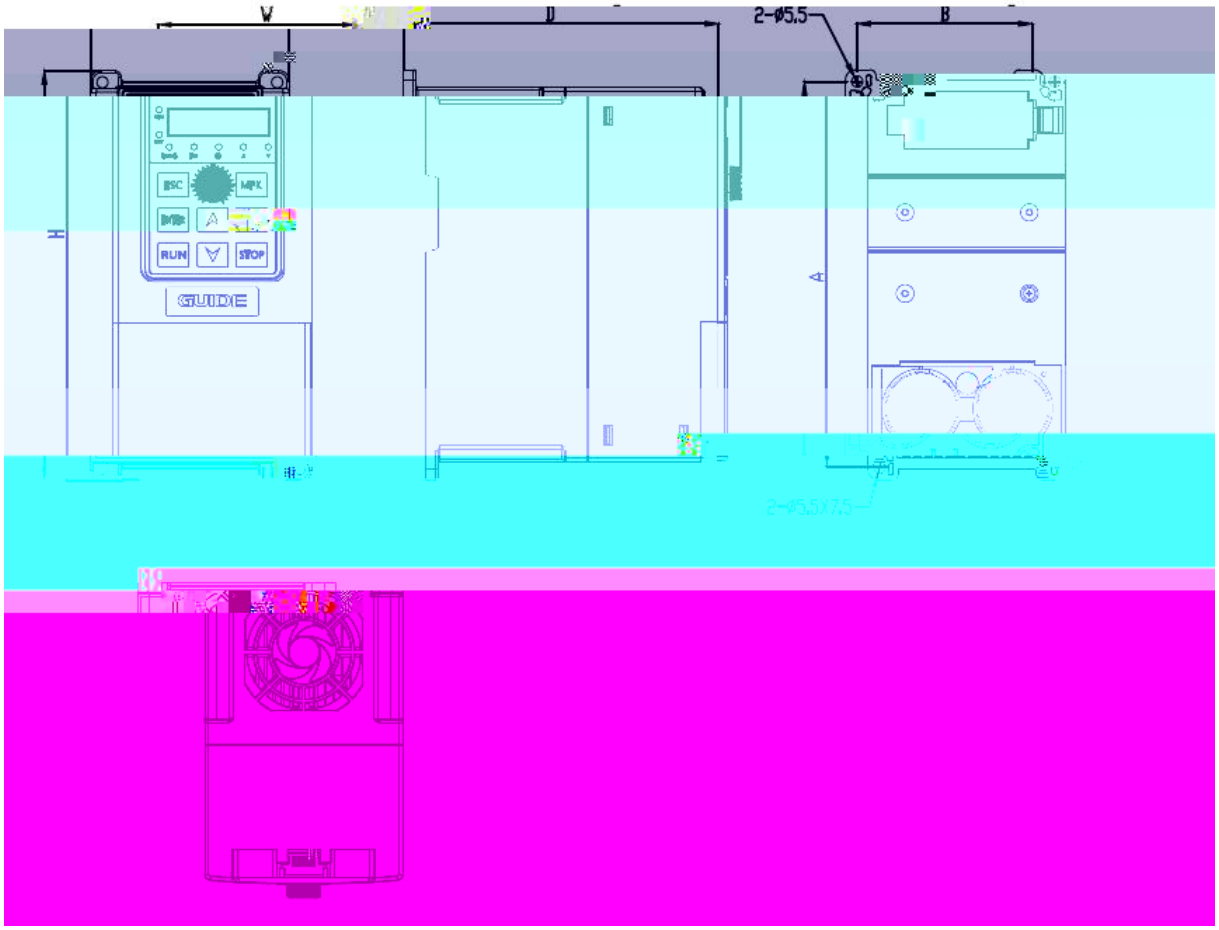
R1°° ج Ð ىد^ ::: 380V˙ 480V˜ 0.4kW˙ 2.2kW˜

R2 380V 480V 3.7kW 5.5kW

1.3 R1~R2



R1 فصم ĩ يحˆ 0.4kW˙ 2.2kW˜



R2 فئم أ يد 3.7kW 5.5kW

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ɐ ⁞ à Ꮋ

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1.6 h

(1) ₇ ₩ ↺ ₫ ₃ ˇ ₺ Ḃ ˇ Ь □ ’

(2) Ƶ ˇ ˆ ضِ150% ’ Ѝ Ω ’

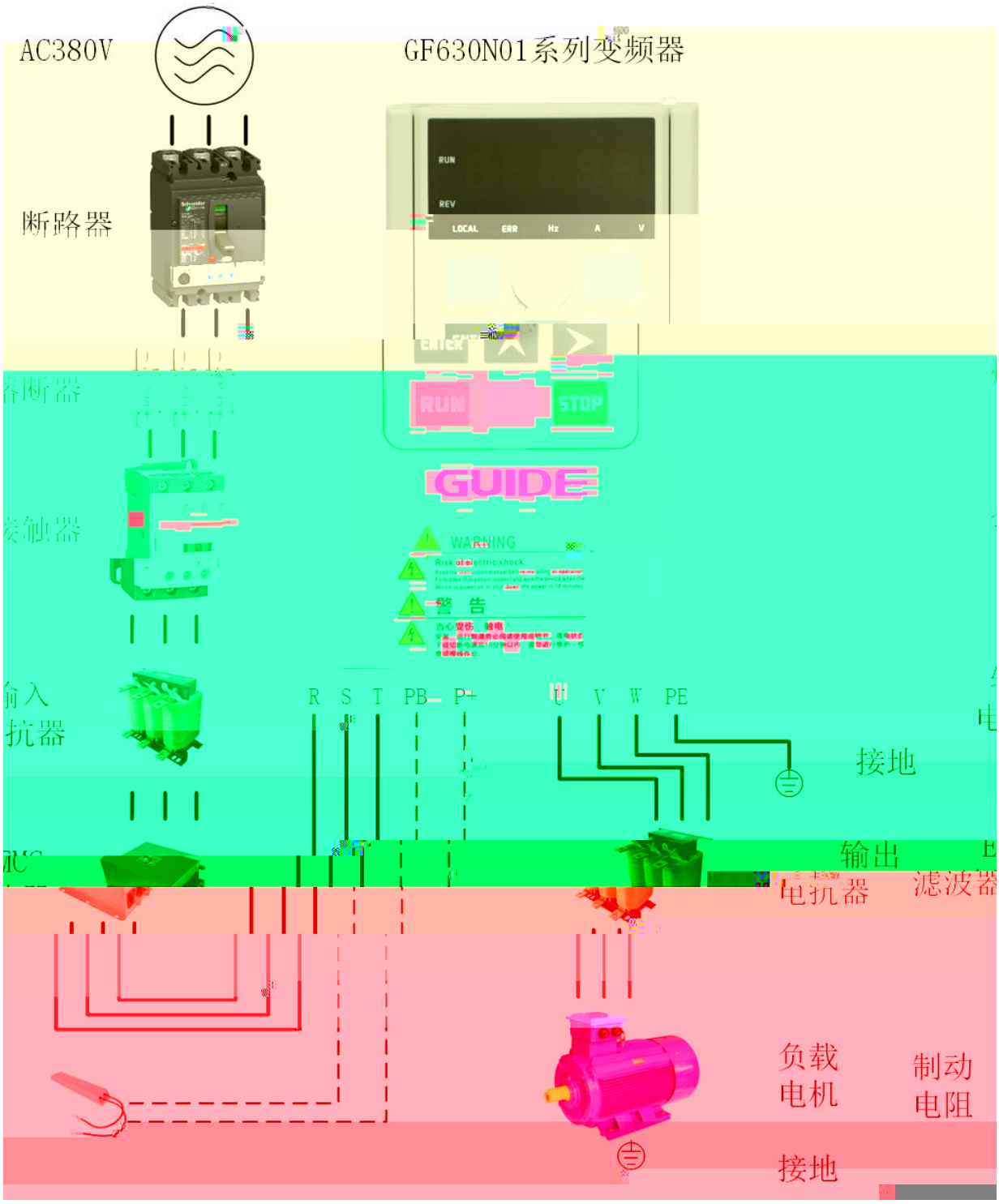
(3) ˩ ˇ ˩ Ƶ ˇ Ї ˩ Â

1.7 Ї ج ₿

₥	[kW]	₿ [kW]
GF630N01-0R4-4	0.4	0.026
GF630N01-0R7-4	0.75	0.033
GF630N01-1R1-4	1.1	0.035
GF630N01-1R5-4	1.5	0.040
GF630N01-2R2-4	2.2	0.048
GF630N01-3R7-4	3.7	0.132
GF630N01-5R5-4	5.5	0.160

2

2.1 ﾇ



GF630N01 f ﾈ ﾈ "Ḥ Ð ą

2.2

ð O	ß	w

2.3

w	ø^ A~ ä	~ / ₣ ^ mm²~ ^ CEFR ¹ 40%Ш ъ~	ø^ A~ ъ (AC-3)
0.4 kW	1.2	2.5	9
0.75 kW	2.5	2.5	9
1.1kW	3	2.5	9
1.5 kW	3.7	2.5	9
2.2 kW	5	2.5	9
3.7 kW	9	2.5	12
5.5 kW	13	2.5	12

2.4 ~ ₣´ ø

w	~ ø 2% ~ ¹		₣ ø 1% ₣ ¹	
	^ A~	^ mH~	^ A~	^ mH~
0.4 kW	2.2	6.37	1.8	3.89
0.75kW	3.0	4.67	2.6	2.69
1.1kW	4.0	3.50	3.3	2.12
1.5 kW	4.8	2.92	4	1.75
2.2 kW	6.8	2.06	5.7	1.22
3.7 kW	12.0	1.17	10.2	0.69
5.5kW	18.0	0.78	15	0.47

2.5 L-

f g	L-			
	y ^ ß~	y ^ ß~	w ^ KW~ ^ 30% Kc~	w ^ KW~ ^ 50% Kc~
0.4 kW	750	100	ů0.2	ů0.3
0.75kW	750	100	ů0.2	ů0.35
1.1 kW	400	100	ů0.4	ů0.5
1.5 kW	400	100	ů0.5	ů0.7
2.2 kW	250	78	ů0.8	ů1
3.7 kW	100	64	ů2.0	ů2.5
5.5kW	100	40	ů2.0	ů2.5

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3 Ь

3.1 ĩ ڪ à Ũ

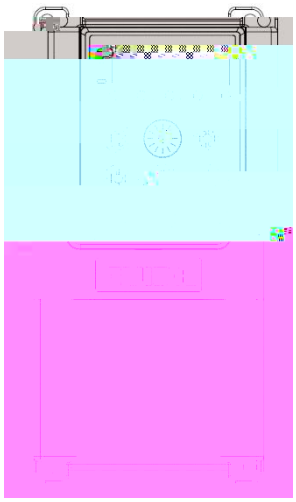
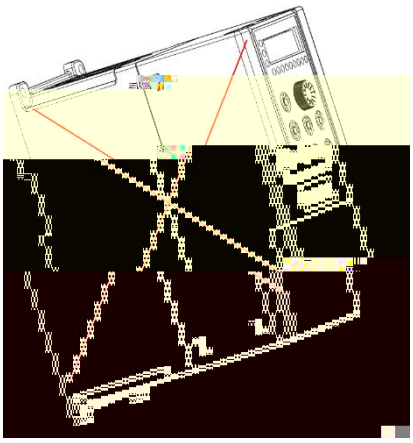
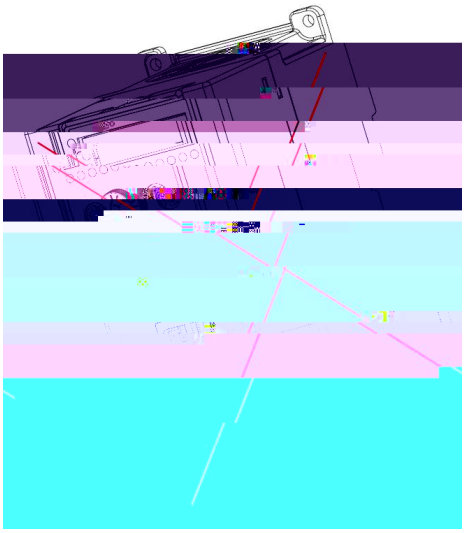
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´	ھ	ضي Ḡ ´ Ţ	٨ ﻱ ‰´
شي	' شي ھ ɢ ṗ ھ ھ ˘ ₹o 10cm à ᵕ ᵕ 5cm Â ' ﻉ : ч Â ᷓ ᷔ ɕ ~ ˘ ˘ Ь ˘ з ∨ Â	Ũ شي ' ضي ⌈ à ṗ شي Â ǖ ɕ Ь 6 ɷ Â	ĩ ' ضي ‰´ Ţ ˜ à à à ĩ Â
	-10 Ņ ˙ +40 Ņ˘ 40 Ņ˘ ą ˘ ٰ 1 Ņ˘ 1% Â 50 Ņ h ٨ ३ Â ٲ ɢ -10 Ņ˘ ∨ ↑ ∨ Â	-20 Ņ ˙ +60 Ņ˘ ĩ ɢ 1 Ņ / № Â	-20 Ņ ˙ +60 Ņ
٨	70˙ 106 kPa 0.7˙ 1.05 ٨	70˙ 106 kPa 0.7˙ 1.05 ٨	60˙ 106 kPa 0.6˙ 1.05 ٨
⌟	10Hz Ů f Ů 57Hz' ' 0.075mm 57Hz Ů f Ů 150Hz' ∨ ' 9.8 m/s2	10Hz Ů f Ů 57Hz' ' 0.075mm 57Hz Ů f Ů 150Hz' ∨ ' 9.8 m/s2	⌟ ' `E ⌟ Н I I
ll 𝒟ρ	Ь ¨Ḥ	ỵ 100m/s² 11ms	ỵ 100m/s² 11ms
Й	Ь ¨Ḥ	250mm˘ <100kg ' 100mm˘ ů 100kg Â	250mm˘ <100kg ' 100mm˘ ů 100kg Â
	ɢ 95%RH˘ o		
	ٲ ɢ 1000 ˘ Â 1000 شي ˘ ∨ 100 ٲ 1% ˘ ٲ ٨ ĩ ₹ Â 3000 h ٨ ३ Â		
	2		
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3.2 Ь h

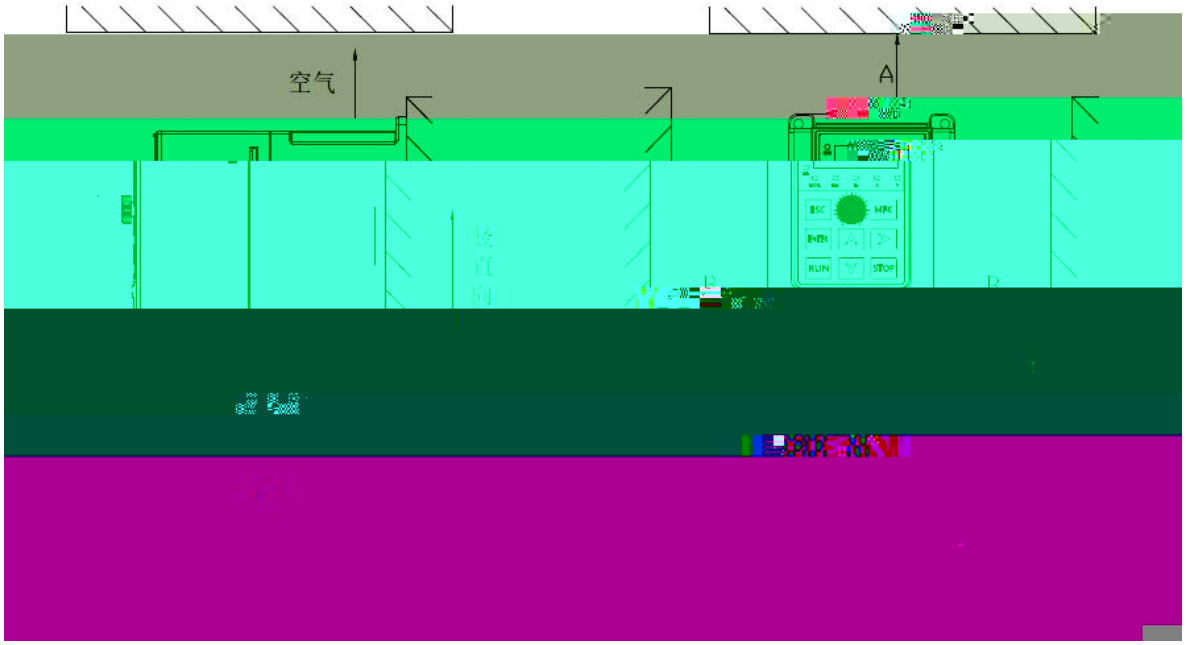
3.2.1 h

ч ↻ ≠ G Ї ک ˘ Ї ک ممم ضي h Â ЙҶ β

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3.2.2

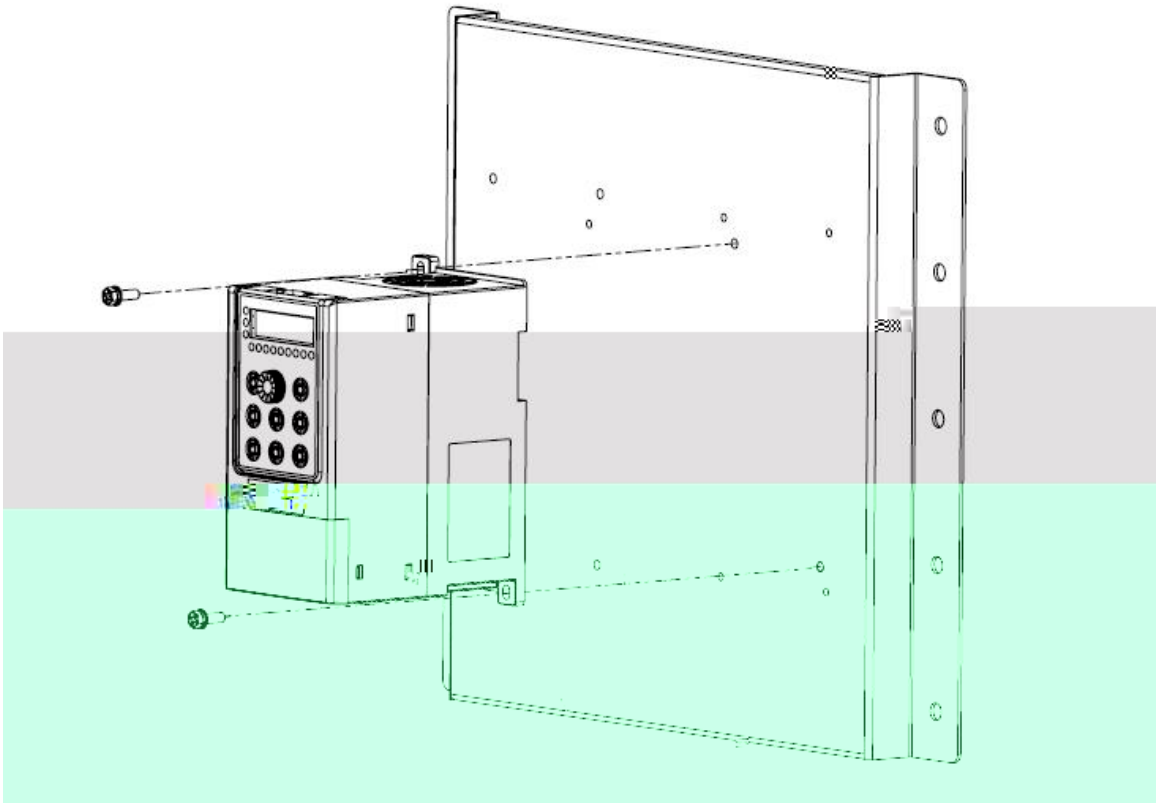


ممم	W	(۱ β ' mm)	
R1	0.4kW˙ 2.2kW	A ů 100	B ů 20
R2	3.7kW˙ 5.5kW	A ů 200	B ů 20

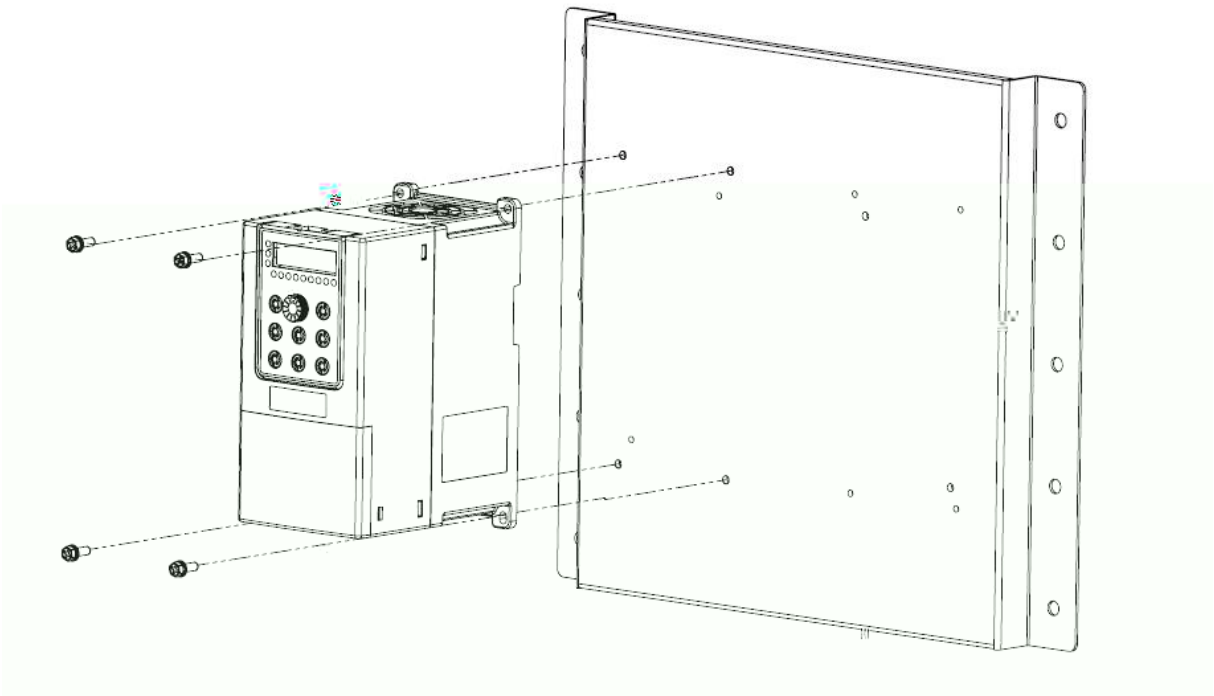
3.2.3

Ь □ W يشي غ غج ˘ ۲ Ѝ ° ° ج Â

ˆ 1˜ R1° ° ج



ˆ 2˜ R2°˚ ₾

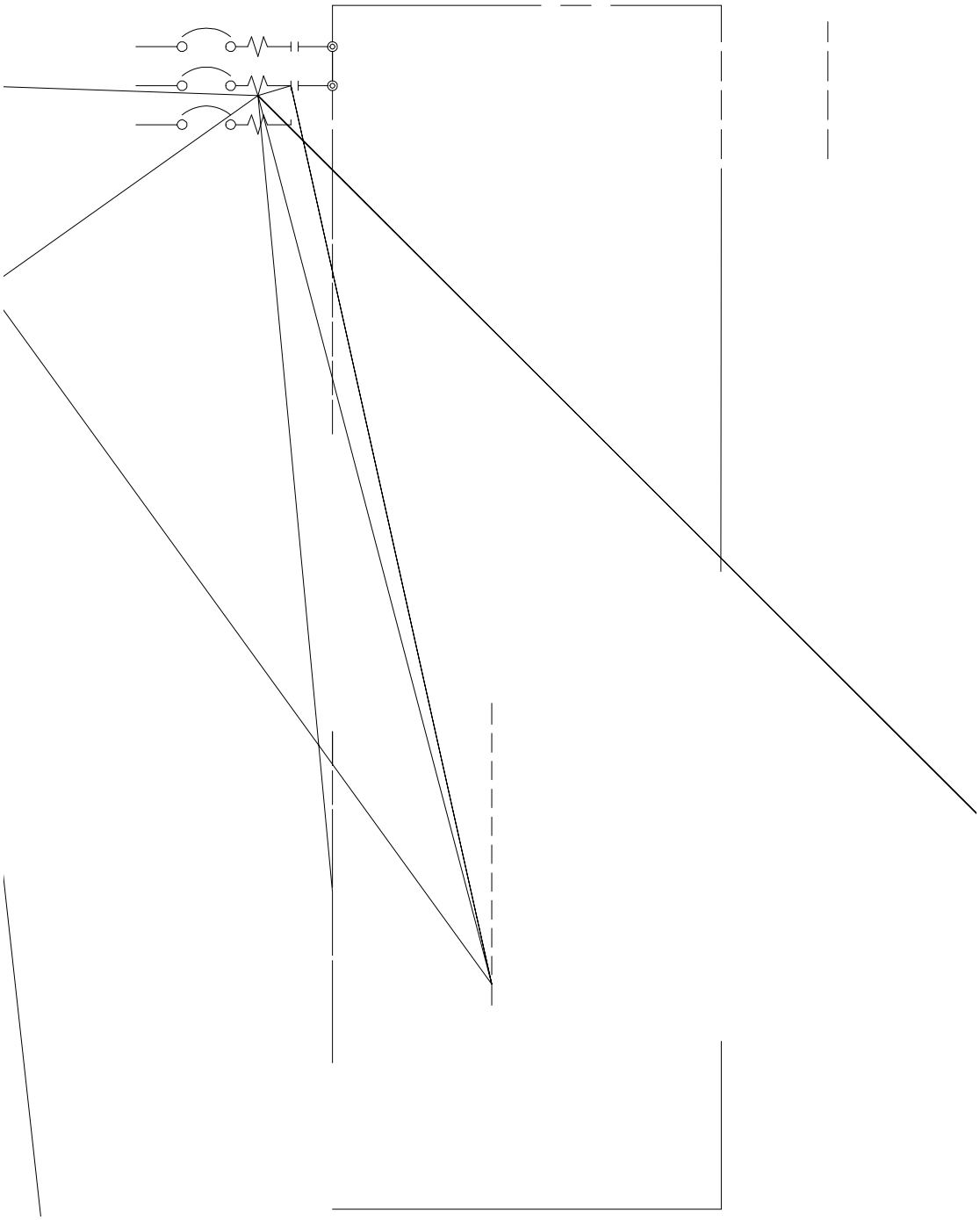


˜	ﷺ	W	ﷺ
1	R1	0.4kW˙ 2.2kW	2-M5
2	R2	3.7kW˙ 5.5kW	4-M5

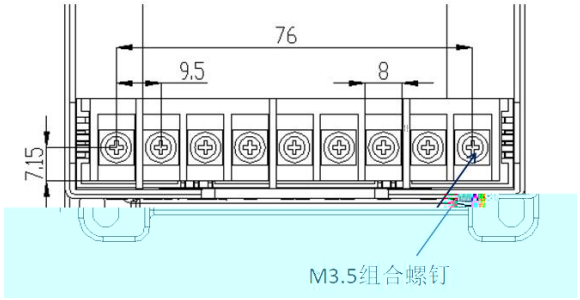
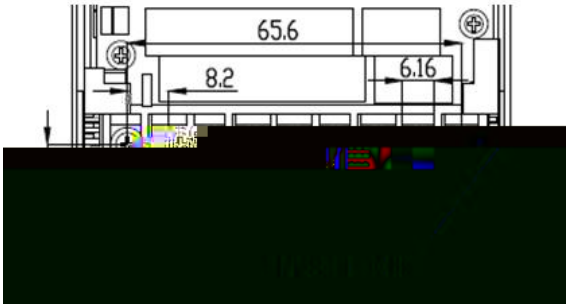
' M5： 20 ¤ 2KGF.CM Â

3.3

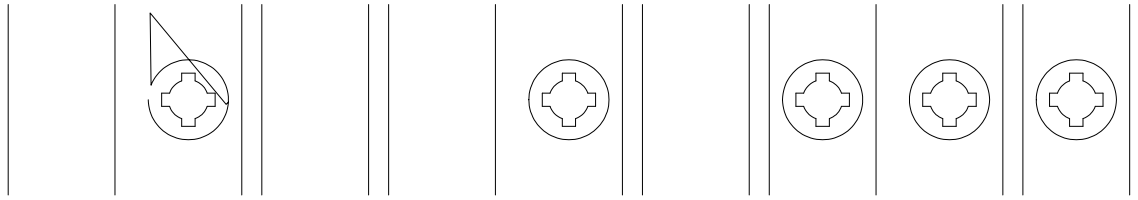
3.3.1 ‰ ъ



3.3.2 h

R1 h	№	R2 h	№
			

ˆ 1˜ R1~R2 h Й,



5 Ḡ ǐ ڑ Ь ᴸ ң Ţ ڑ˜ ɣ ѽ
ǐ ڑ Ң Â

ǐ ڑ Ь ң ѵ ڑ ˘ ѿ Ḡ

6 ڑ ˉ ƀ ˘ ₇ Ḡ ضِ ǐ ڑ ₹ ˘
ڑ ˉ ƀ Â

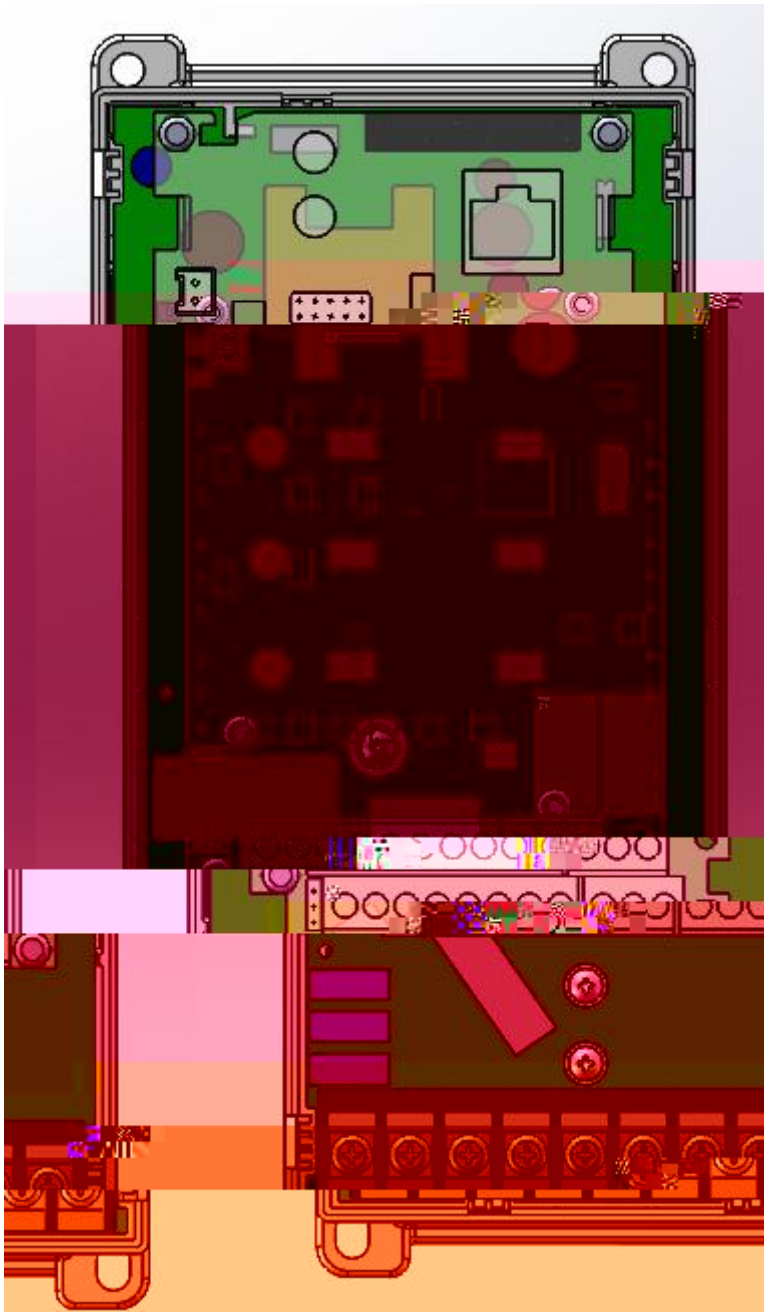
[redacted] ڑ Z ڑ

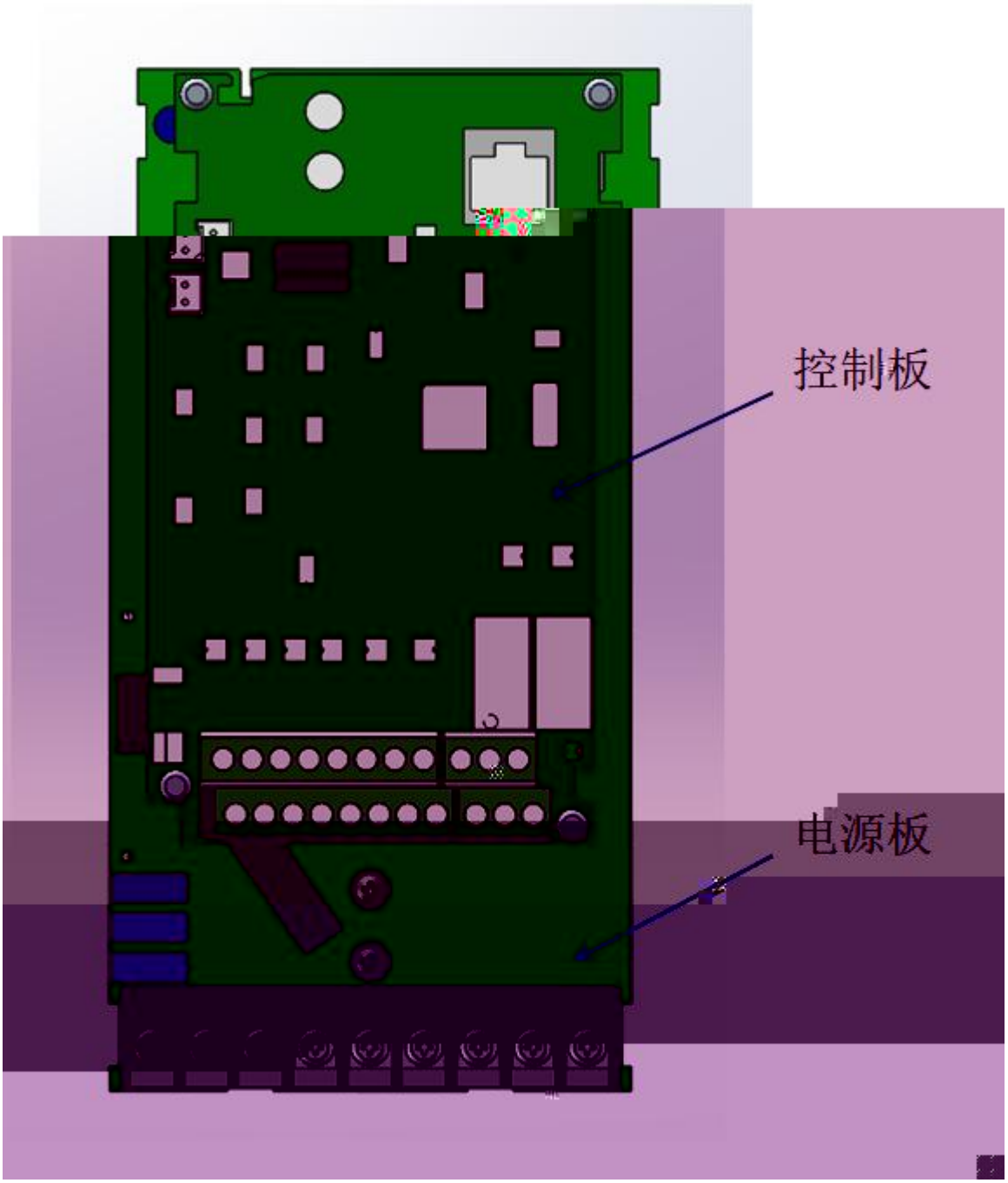
7 [redacted]

3.3.4 L

Ї ᴄ L ˘ β ЙҸ Â

GF630N01 L β

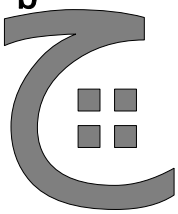



控制板
电源板

≠ f

4 ƀ

4.1 ƀ



GF630N01 ↓ ǐ ୰ LED ƀ ǎ à ќ ˘ γ ǐ ǎ м à ∧

w

ˆ 1˜ LED ƀ

'

Ĭ RUN Ŀ ' ضي ˜ Ɋ ↕

Ĭ REV Ŀ h ' ضي ˜ Ɋ ↕

Ĭ LOCAL Ŀ ضر / ' ضي ضر ˜

Ĭ ERR Ŀ / ' ضي ₣ ضي ă ȝ ˜ ȉ ɾ '

↕

ɣ β '

Ĭ HZ Ŀ ضي ╠ ă ɣ β ч Hz RPM ˜ Ɋ ↕

Ĭ A Ŀ ضي ╠ ă ɣ β ч A RPM % ˜ Ɋ ↕

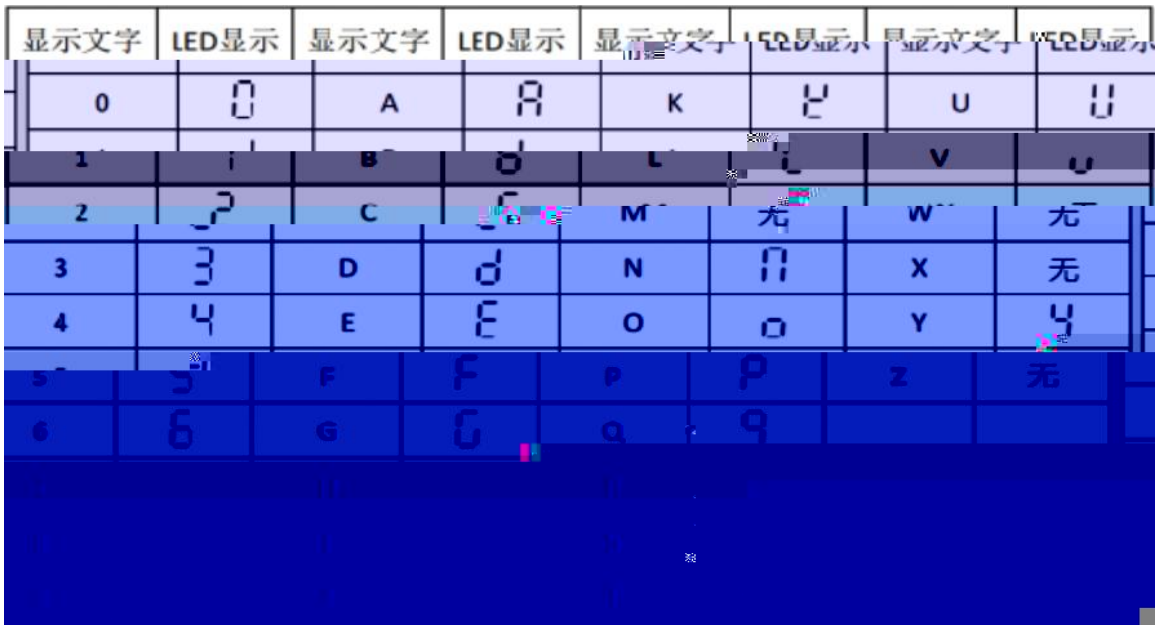
Ĭ V Ŀ ضي ╠ ă ɣ β ч V % ˜ Ɋ ↕

ˆ 2˜ LED ƀ LED

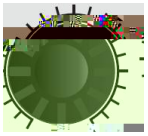
ɣ

ƀ ⁘ ˜ 5 β LED ˜ ˆ ɣ à ₣ ˜ Ɏ ɣ ĭ

ɳ Â Й, ב Ь LED



Ч

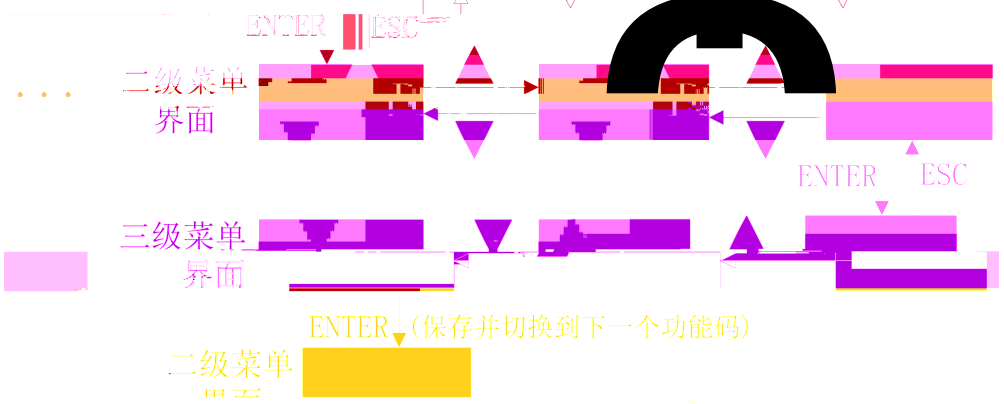
	O	W
ESC	Ч	ˆ ~ ₣ ₩ Ч Â ESC ~ ₩ Ч˘ ₩ Ч ESC ﻉ Â
		ă Δ . U˘ ˆ ĭ
MFK	W	ˆ ˫ h Ⓟ ˘ ˆ ث ɒ Ⓟ ⌡
	⁛	⁛ Ч ă +1
	Й	Й Ч ă -1
	ˇ	ă hˇ ˫ β
ENTER		~ Ч ˘ ă
RUN		Ω˫
STOP	Å	Å / β

4.2.2 LED Ъ Ч

ˆ 1˜ ғ

Й˘ LED G W / ˘ Ь

Ⓟ Й ﻉ'


ENTER ESC
二级菜单
界面
ENTER ESC
三级菜单
界面
ENTER (保存并切换到下一个功能码)
二级菜单

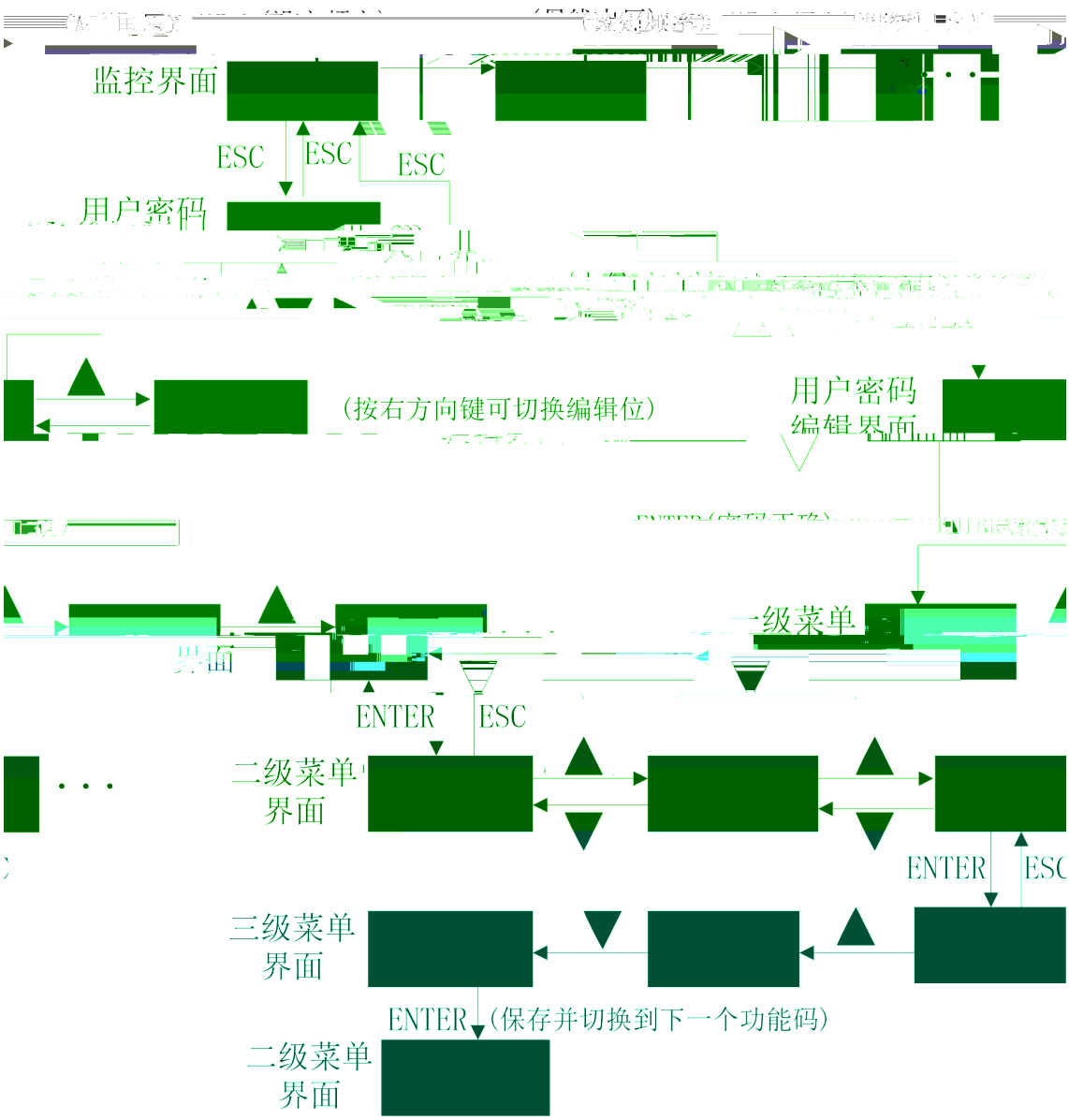
ˆ 2˜ ƒ ƻ

ƻ ˇ ضِ Й ɾ Ⓟ ⌈ w ₩ ヽ

˜ Â ESC ˜ ˜ₒ ˇ ˜ₒ ⁝⁝ (ǵ)/

Й(ɳ)/ ˚ ( )/ENTER Ţ ĸ ₩ ɷ ˆ ˜ ˇ ˜

ENTER U ˉ ˜ ₩ ヽ ˇ ì ɾ ƀ ǐ ⁞⁝ Â

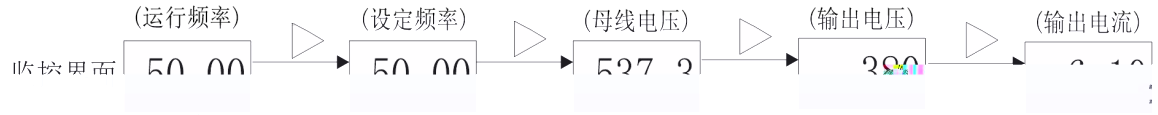


ˆ 3˜

Ӣ˜ LED G W / ˘ Ъ

℗ Ъ Ӣ з˘ p Ӣ ˝ ӑ ≠ Ъ Ъ

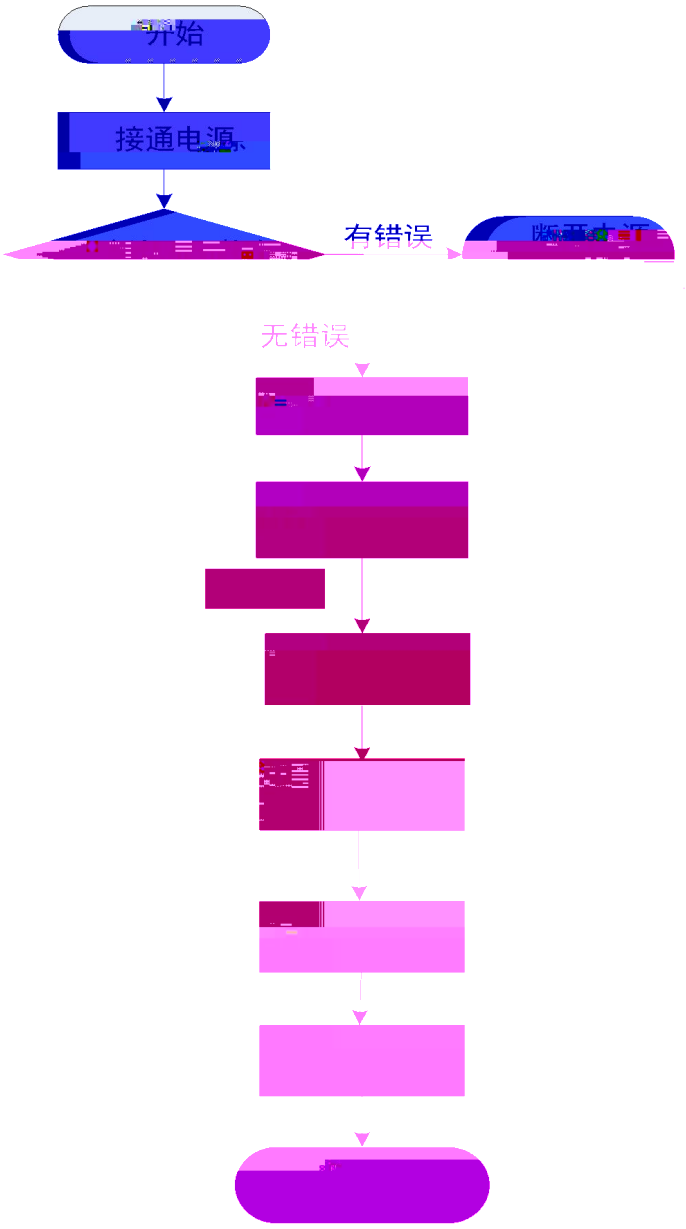
Â Ӣ˜ ˝ ӑ W P02.03 ¿ P02.04 Â



5 ĺ ⸗

5.1 ĺ ⸗

ɣ ЙĮ ⵣ˘ Â



5.4 ắ

V/F Ӆ˘ Ӆ ắ ˘ Â

w O ỵ

P08.10 (Hz) / / ‖ /
‰˘ З ѵ / €

H) D ц ⁰ З ʌ €
8 0 A 8 ‖

5.5 ǎ ä ǐ

ä	ƀ	
ä	1. └ à ǎ ' 2. P10.53 ч 1˜ ENTER ˘ TUNE˜ ~ ǎ ä ' 3. RUN ǎ ä˘ ä Ţ ERR ˘ ä U ˉ ɹ	ä G Ь ғ ˘ ä^ Ǐ ǎ ' 1. (P10.22); 2. (P10.23); 3. (P10.24); Â
ä	1. └ à ǎ ' 2. P10.53 ч 2˜ ENTER ˘ TUNE˜ ~ ǎ ä ' 3. RUN ǎ ä˘ ä Ţ ERR ˘ ä U ˉ ɹ	ä G Ь ^ ү ˘ ä^ Ǐ ǎ ' 1. (P10.22); 2. (P10.23); 3. (P10.24); 4. ε (P10.25); 5. (P10.26);

ˆ 1˜ ä ╠ Hυ

GF630N01 ↓ ǐ ز └ ǎ ä w Â‰ ǎ ä G ǎ

Â ч ъ Ḡ └ ˘ ǐ ز ‰ ˘ w Ь

‰ ˘ ǐ ز └ Ǐ Â

ä ╠ ү Ǐ ضم ҩ Hυ '

	Ни
҂ Ь ї	Ь ˆ ɣ ˘ ӟ’ Ь ˘ ӟ Â
ė Ї ҏ ҂ ≠	ѡ Ь Ї ҏѡ ˘ ˆ ӟ^ ѡ Ь ɢ Ї ҏѡ 1/5˜ Â
ă˜ ҂	P10 ă ҂ Ь ă ₩ ˘ ѡ à ㅅ à à Â ˜ ˆ ӟ Â

^ 2˜ '

Ѝ ض Ѝ Â

╠ ė Ա ڂ ŋ˘ Å ڊ ė ŋ ҂ ˉ

ƀ Â ҂ ^ ҂ ї ˉ ˜ ˘ ѵ ė ⋮

҂ Â

ą ƀ ƀ Ѝ '

	ƀ	Ни
1	˘ Δ	
2	ч ض L˘ LOCAL ˷ ’	
3	ƀ UP/DOWN ˘ ă ч 5Hz	
4	RUN ˘ Ї ҏ˘ RUN ˷ ˘	ɣ h ˘ ғ Ї ҏ ’
5	4 Ţ ˘ ↕ ѵ ѵ 50Hz	ƀ ₹ ˘ Ḡ Ь ₹ ’
6	U˘ STOP ˘ Å Â	

^ 3˜ '

Ѝ Ѝ Â

ṗ

6.1 ă̆ L P0

w	O	₥	₣ ∧ ẏ	
P00.00		0˙ 65535	0	æ
P00.01	ă̆ Δ . ⅃- ₲	0ƈ ƀ 01' ₣ ∧ ă̆ ˘ Ь´ ă̆ 02' Ḥ	0	Æ
P00.02	w ă̆	ɷ β' P23,P27 0ƈ 0Ь 1' ∨ β' P11,P13,P16 19,P2 ,P29,P30, 31 0ƈ Ь	1	æ
P00.03	Ḡ			
P00.04	w Ḱ	0ƈ ˆ Ḱ 1' Ь ˆ Ḱ	0	æ

6.2 P2

w	O	₣ ∧ ẏ	
P02.00 Ḡ	0ƈ MF.K 1' ƀ Ь ث Ɒ ˆ ث Ɒ ث Ɒ ˜		
P02.01 MF.K w	Ⓟ 2' ǐ Ⓟ 3' ⌐ 4' ǐ ⌐ 0ƈ Ö32 ىحن ىحن ىحن ىحن Ù :	0	Æ
P02.02 STOP w			

P02.03	LED ǎ 1	0000 FFFF Bit00: 1ˆ Hz˜ Bit01: ˆ Hz˜ Bit02: ˆ V˜ Bit03: ǂ ˆ V˜ Bit04: ǂ ˆ A˜ Bit05: ǂw ˆ kW˜ Bit06: ǂ ˆ %˜ Bit07: DI ˜ Bit08: DO ǂ Bit09: AI1 ˆ V˜ Bit10: AI2 ˆ V˜ Bit11: AI3( ) ˆ V˜ Bit12: ẏ Bit13: ẏ Bit14: Bit15: PID	1F	æ
P02.04	LED ǎ 2	0000 FFFF Bit00 PID ǐ Bit01 PLC Bit02 PULSE ˜ ǁ ˆ kHz˜ Bit03 2ˆ Hz˜ Bit04 ▼ φ Bit05 AI1 ǁ ˆ V˜ Bit06 AI2 ǁ ˆ V˜ Bit07 AI3( ) ǁ ˆ V˜ Bit08 Bit09 ǁ ˆ Hour˜ Bit10 ǁ ˆ Min˜ Bit11 PULSE ˜ ǁ ˆ Hz˜ Bit12 ẏ Bit13 ƍ ǐ ˆ Hz˜ Bit14 h X ˆ Hz˜ Bit15 Y ˆ Hz˜	0	æ

			0000 FFFF Bit00: ^ Hz~ Bit01: ^ V~ Bit02: DI ~ Bit03: DO ₹ Bit04: AI1 ^ V~ Bit05: AI2 ^ V~ Bit06: AI3( ) ^ V~ Bit07: ụ Bit08: ụ Bit09: PLC Bit10: Bit11: PID Bit12 PULSE ~ ǁ ^ kHz~		
P02.05	LED Å	ă		33	æ
P02.06			0.0001 -Ɗ000 Ŏ		æ

6.3 ~ P3

w	O		₹ ∧ ¥
		0	
		1	
P03.00	~ 1	2 ĩ	
		3	
		4 ⌟	
		5 ĩ ⌟	
		6 UP	
		7 DOWN	
		8 Å	
		9 β	
		10 Å	
		11 ~	
		12	

31' Ḡ
32' L⁻
33' ~
34' ḱ ą
35' PIDƀ h ŭ ĭ
36' Å Ḥ̂ 1
37' Ω⁻ Ⓟ 2
38' PID № Å
39' h X Ь Ⓟ
40' Y Ь Ⓟ
41' 1
42' 2
43' PIDă̆ Ⓟ
44' Ꮒ 1
45' Ꮒ 2
46' L / L

P03.16	DI 1	0' 1' ɣ ɷ β' DI1 ʏ β' DI2 β' DI3 ʟ β' DI4 ' β' DI5	0	Æ
P03.17	Ḡ			

6.4 ₣ P4

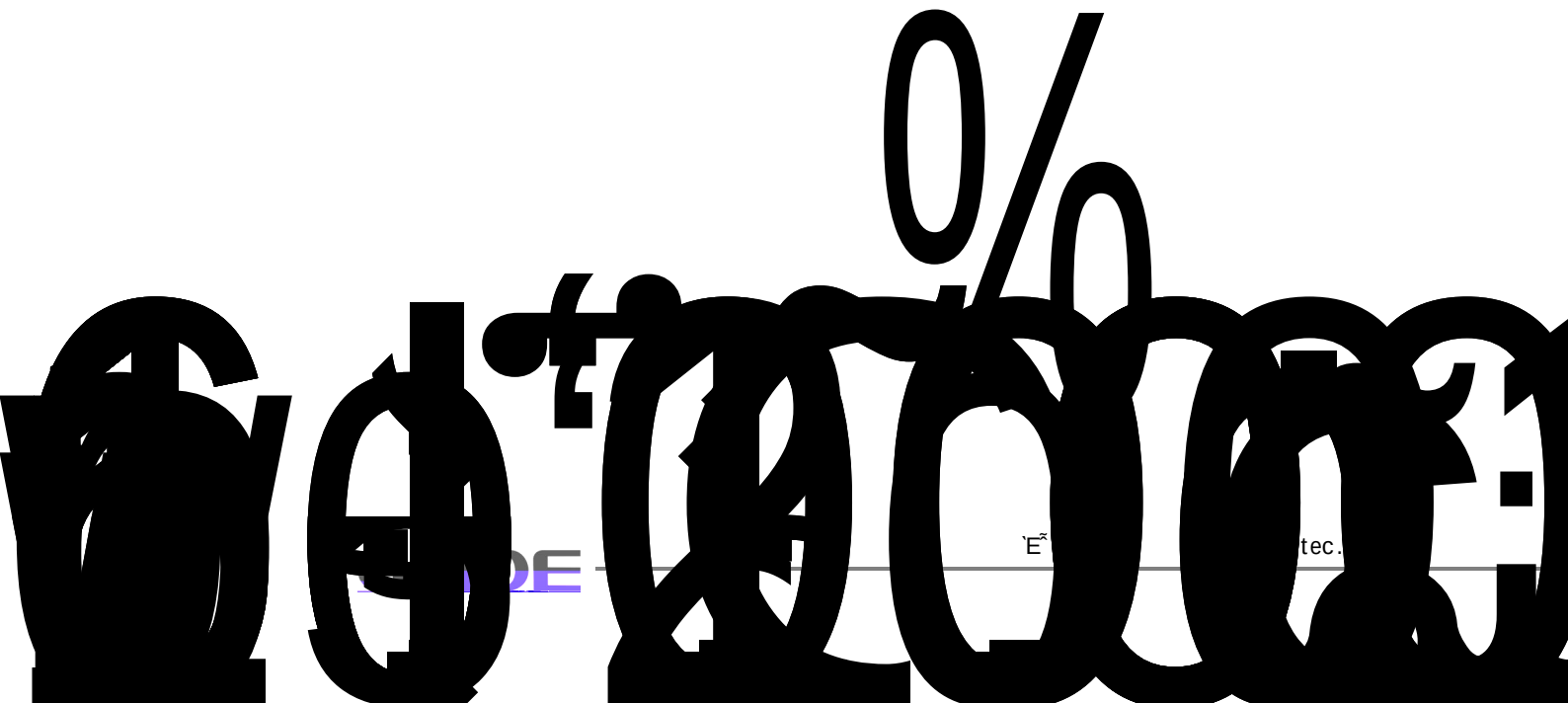
w	O	₥	₣ ʌ ỵ	
P04.00	HDO ₣ ﻣ	0' ll ₣^ FMP˜ 1' ˜ ₣^ FMR˜	0	æ
P04.01	˜ ₣ w	0' 1' Ḥ˜ 2' ₣ 3' FDT1 ₣ 4' ⌠ 5' 1 6' 7' ǐ ᶎ	0	æ
P04.02	ᶎ 2 ₣ w	8' ⌠ ỵ 9' ⌠ ỵ 10' ⌠ 11' PLC 12' ⌠ 13' └ Ţ 14' └ Ţ 15' ‰ 16' AI1 g AI2	2	æ

17 ⌠ ⁙
18 ⌠ Й ^ ~
19 ⁄
20
21 ^ Ḡ ~
22 ^ Ḡ ~
23 Ţ 2 Å З ₹~
24 ⁙ ⌠
25 FDT2 ₹
26 1 ⌠ ₹
27 2 ⌠ ₹
28 1 ⌠ ₹
29 2 ⌠ ₹
30 ⌠ ₹
31 AI1 ~ ṿ ﻣﺦ
32
33 ĩ h
34
35 ﺷﺠ ⌠
36 ₹ └ ṿ
37 ₹ Й ^ Å '₹

ʃ

P5.21 Al ʏ G ~ ỵ

ɑ β :Al1 ʏ G ~
0: ~
1:0.0%
Ⱶ β' Al2 ʏ G ~ ˘ 0 æ
□;:
β' Al3 ʏ G ~ ˘
□;:



6.7 Ḡ ă P7

w	O	₅	₣ ∧ ỵ
P07.00	Ḡ	0	

P07.14	W̄ ق	0′ 1′ ǐ ٧ ″ḤḠ 3′ ⁞ 4′ 8′ ‖ 11′ 15′ 18′ 21′ ă̈ Ώ 22′ ǐ ર Ð 24′ Ḡ 25′ Ḡ 26′ ⌠	.	á̋
P07.15	ʜ ق	27: ʜ 1 28: ʜ 2 29: ⌠ 30′ 31′ PID ǐ ĸ 40′ 41′ Ⓟ 45′ 51′ Δ β 100′ ४ ٨ 101′ ⁞ ٨ 102′ ٨	.	á̋
P07.16	̂ W̄ ~ ق	105′ ٨ 108′ ર 110′ ४ 111′ ǐ ર 112′ ض 113′ ~ 114′ ∓ 115′ 118′ ર /PG ١ 119: Ẓ 120′ شج 170′ 202′	.	á̋

P07.17	^ ẅ ~	.	.	á
P07.18	^ ẅ ~	.	.	á
P07.19	^ ẅ ~ ۱	.	.	á
P07.20	^ ẅ ~ ~	.	.	á
P07.21	^ ẅ ~ ₹	.	.	á
P07.22	^ ẅ ~ ĺ ⸗	.	.	á
P07.23	^ ẅ ~	.	.	á
P07.24	^ ẅ ~	.	.	á
P07.25	Ḡ	.	.	á
P07.26	Ḡ			
P07.27	ʜ	.	.	á
P07.28	ʜ	.	.	á
P07.29	ʜ	.	.	á
P07.30	ʜ ~	.	.	á
P07.31	ʜ ₹	.	.	á
P07.32	ʜ ĺ ⸗	.	.	á
P07.33	ʜ	.	.	á
P07.34	ʜ	.	.	á
P07.35	Ḡ	.	.	á
P07.36	Ḡ			
P07.37	ẅ	.	.	á
P07.38	ẅ	.	.	á
P07.39	ẅ	.	.	á

P07.40	₩	~	.	á
P07.41	₩	₹	.	á
P07.42	₩	ĺ ⍼	.	á
P07.43	₩	⁘	.	á
P07.44	₩		.	á
P07.45	Ḡ			
P07.46	Ḡ			

(,

				ȹ β' Ɥ 1ˆ 27˜ 0' Å 1' Å Å 2'			
				Ⱶ β' Ɥ 2ˆ 28˜ 0' Å 1' Å Å 2'			
				β' ⁘ ⌠ ˆ 29˜ 0' Å 1' Å Å 2'			
P07.49	Ḡ ˫ ƀ	3		ⱱ β' ˆ 30˜ 0' Å 1' ⁞ Å 2' ⁞ ⌠ 7% ˘ Ь ˫ ⌠ ' β' PID ǐ ĸ ˆ 31˜ 0' Å 1' Å Å 2'	0	æ
P07.50	Ḡ ˫ ƀ	4		ȹ β' Ẓ ˆ 119˜ 0' Å 1' Å Å 2'	0	æ	
				Ⱶ β' ˆ 115˜ β' Δ β ˆ 51˜			

P07.55		0.0%˙ 100.0%ˆ 100.0% P08.10˜	100.00%	æ
P07.56	Ḡ			
P07.57	Ḡ			
P07.58	Ḡ			
P07.59	Å ˉ ƀ	0ʹ 1ʹ ⋮ 2ʹ ⋮ Å	0	æ
P07.60	Åˉ ƀ Å ∞	80.0% ˙ 100.0%	90.00%	æ
P07.61	Å ﾉ ﾇ ﾉ ∞	0.00s˙ 100.00s	0.50s	æ
P07.62	Å ˉ ƀ ∞	60.0%˙ 100.0%ˆ ‰ ﾉ˜	80.00%	æ
P07.63	Ḡ	0ʹ 1ʹ	0	æ
P07.64		0.0˙ 100.0 ₍	10.00%	æ
P07.65		0.0˙ 60.0s	1.0s	æ
P07.66	Ḡ			
P07.67	ẏ	0.0 ₍ ˙ 50.0 ₍ˆ ˜	20.00%	æ
P07.68		0.0s˙ 60.0s	1.0s	æ
P07.69	Ẓ ẏ	0.0 ₍ ˙ 50.0 ₍ˆ ˜	20.00%	æ
P07.70	Ẓ	0.0s˙ 60.0s	5.0s	æ

6.8 Ω Å L P8

w	O	ﻩ	₣ ﾍ ẏ	
P08.00	Ḡ			
P08.01	1 L	0ʹ D ﻍ L^ SVC˜ 1ʹ Ḡ 2ʹ V/F L	2	Æ
P08.02	Ω ˉ	0ʹ ƀ ث ɒ ˆ LED ˜ 1ʹ ث ɒ ˆ LED ˜ 2ʹ ث ɒ ˆ LED ˜	0	æ
P08.03	h X	0ʹ ˆ P08.08ʃ UP/DOWNˆ ḱ ˘ ƀ ˜ 1ʹ ˆ P08.08ʃ UP/DOWNˆ ḱ ˘ ˜	4	Æ

		5'		
P08.12	¦;:	Й¸ P08.14˙ P08.10	50.00Hz	æ
P08.13	¦;: Ẓ	0.00Hz˙ P08.10	0.00Hz	æ
P08.14	Й¸	0.00Hz˙ ;¦; P08.12	0.00Hz	æ
P08.15		0.5kHz˙ 16.0kHz	###	æ
P08.16		0' Ղ 1'	1	æ
P08.17	₰ 1	0.00s˙ 6500.0s	###	æ
P08.18	⁞ 1	0.00s˙ 6500.0s	###	æ
P08.19	₰ ⁞ Ò	0' 1 1' 0.1 2' 0.01	1	Æ
P08.20	Ḡ			
P08.21	Ŋ ₰ Ẓ	0.00Hz˙ P08.10	0.00Hz	æ
P08.22	№	1' 0.1Hz 2' 0.01Hz	2	Æ
P08.23	Å	0' Ь 1'	0	æ
P08.24		0' 1 1' 2 2' 3 3' 4	0	Æ
P08.25	₰ ⁞ ‰	0' ^ P08.10˜ 1' 2' 100Hz	0	Æ
P08.26	UP/DOWN˝ ƀ ‰	0' 1'	0	Æ
P08.27	Ω¬ Ь :::	ɷ β' ƀ Ω¬ ::: 0' 1' 2' AI1 3' AI2	0	æ

4' AI3( )
5' PULSE ‖ ^ DI5~
6'
7' PLC
8' PID
9'
\ β' Ω¬
β' Ω¬
\ β' ¬
0' Ω¬

P08.28 Ω¬ 1' 'P Ω¬ 0 æ
2' : Ω¬ ^ ´ ~
0' ر Ζî يشي Ů

P08.29

6.9 ĩ P9

w	O		₥	ỵ
P09.00		0ʻ G Ţ 1ʻ G	0	æ
P09.01		0.0%˙ 100.0%	0.00%	æ
P09.02		0.0%˙ 50.0%	0.00%	æ
P09.03	Ա	0.1s˙ 3000.0s	10.0s	æ
P09.04	⁝⁝ ⁝ ٦	0.1%˙ 100.0%	50.00%	æ
P09.05		0m˙ 65535m	1000m	æ
P09.06		0m˙ 65535m	0m	æ
P09.07	Ⅱ	0.1˙ 6553.5	100	æ
P09.08	ỵ	1˙ 65535	1000	æ
P09.09	ỵ	1˙ 65535	1000	æ
P09.10	Ɒ 0	-100.0%˙ 100.0%	0.00%	æ
P09.11	Ɒ 1	-100.0%˙ 100.0%	0.00%	æ
P09.12	Ɒ 2	-100.0%˙ 100.0%	0.00%	æ
P09.13	Ɒ 3	-100.0%˙ 100.0%	0.00%	æ
P09.14	Ɒ 4	-100.0%˙ 100.0%	0.00%	æ
P09.15	Ɒ 5	-100.0%˙ 100.0%	0.00%	æ
P09.16	Ɒ 6	-100.0%˙ 100.0%	0.00%	æ
P09.17	Ɒ 7	-100.0%˙ 100.0%	0.00%	æ
P09.18	Ɒ 8	-100.0%˙ 100.0%	0.00%	æ
P09.19	Ɒ 9	-100.0%˙ 100.0%	0.00%	æ
P09.20	Ɒ 10	-100.0%˙ 100.0%	0.00%	æ
P09.21	Ɒ 11	-100.0%˙ 100.0%	0.00%	æ
P09.22	Ɒ 12	-100.0%˙ 100.0%	0.00%	æ
P09.23	Ɒ 13	-100.0%˙ 100.0%	0.00%	æ
P09.24	Ɒ 14	-100.0%˙ 100.0%	0.00%	æ
P09.25	Ɒ 15	-100.0%˙ 100.0%	0.00%	æ
P09.26	PLC	0ʻ ٤ Å 1ʻ ٤ Ḡ ỵ 2ʻ ₩		

˘ `E˜

P09.59	PLC 15 ¥ ⋮	0˙ 3	0	æ
P09.60	PLC ↿ β	0' s^ ~ 1' ĥ^ ~	0	æ
P09.61	Ɒ0	0' w P09.10 1' AI1 2' AI2 3' AI3( ) 4' PULSE Ⅱ 5' PID 6' ^ P08.08~ ˘ UP/DOWN Ќ ќ	0	æ

6.10 V/F ǐ 1 ă P10

w	O		₂₀	₣↿ ɣ	
P10.00	VF		0' V/F 1' V/F 2' V/F 3' 1.2 V/F 4' 1.4 V/F 6' 1.6 V/F 8' 1.8 V/F 9' Ḡ 10' VF ɳ № 11' VF ↿ №	0	Æ
P10.01		↿	0.0% ^ ⌟ ↿~ 0.1%˙ 30.0%	₥	æ
P10.02		↿	0.00Hz˙	50.00Hz	Æ
P10.03	VF	1	0.00Hz˙ P10.05	0.00Hz	Æ
P10.04	VF	↿ 1	0.0%˙ 100.0%	0.00%	Æ
P10.05	VF	2	P10.03˙ P10.07	0.00Hz	Æ
P10.06	VF	↿ 2	0.0%˙ 100.0%	0.00%	Æ

P10.07	VF		3	P10.05˙	^ P10.20˜	0.00Hz	Æ
P10.08	VF	∕	3	0.0%˙ 100.0%		0.00%	Æ
P10.09	VF						

P10.26 0.01A˙ r

P12.01	№ 1	0.01s 10.00s	0.50s	æ
P12.02	Ⓟ 1	0.00 P12.05	5.00Hz	æ
P12.03	ɒ 2	1 100	20	æ
P12.04	№ 2	0.01s 10.00s	1.00s	æ
P12.05	Ⓟ 2	P12.02	10.00Hz	æ
P12.06	L	50% 200%	100%	æ
P12.07		0.000s 0.100s	0.000s	æ
P12.08	L :	0 200	64	æ
P12.09	L Й ˆ ˩ ~	0 P12.10 1 AI1 2 AI2 3 AI3( ) 4 PULSE Ⅱ 5 6 MIN(AI1,AI2) 7 MAX(AI1,AI2) 1-7 ˇ P12.10	0	æ
P12.10	L Й ˆ ˩ ~	0.0% 200.0%	150.00%	æ
P12.11	Ḡ			
P12.12	Ḡ			
P12.13	: ɒ	0 60000	2000	æ
P12.14	: №	0 60000	1300	æ
P12.15	ɒ	0 60000	2000	æ
P12.16	№	0 60000	1300	æ
P12.17	№	ɷ β № № 0 1	0	æ
P12.18	Ḡ			
P12.19	Ḡ			
P12.20		1% 300%	50%	Æ
P12.21	˩	10% 500%	100%	æ
P12.22	№ Ò	2 10	2	æ

6.13 2 L P13

w	O	₂	₣ ∧ ỵ	
P13.00	ɒ 1	1˙ 100	30	æ
P13.01	№ 1	0.01s˙ 10.00s	0.50s	æ
P13.02	Ⓟ 1	0.00˙ P13.05	5.00Hz	æ
P13.03	ɒ 2	1˙ 100	20	æ
P13.04	№ 2	0.01s˙ 10.00s	1.00s	æ
P13.05	Ⓟ 2	P13.02˙	10.00Hz	æ
P13.06	L	50%˙ 200%	100%	æ
P13.07		0.000s˙ 0.100s	0.000s	æ
P13.08	L :	0˙ 200	64	æ
P13.09	L Й, ⁘ ^ ⌟ ~	0' P13.10 1' AI1 2' AI2 3' AI3( ) 4' PULSE Ⅱ 5' 6' MIN(AI1,AI2) 7' MAX(AI1,AI2) 1.7 ˘ P13.10	0	æ
P13.10	L Й, ⁘ ^ ⌟ ~	0.0% ˙ 200.0%	150.00%	æ
P13.11	Ḡ			
P13.12	Ḡ			
P13.13	: ɒ	0˙ 60000	2000	æ
P13.14	: №	0˙ 60000	1300	æ
P13.15	ɒ	0˙ 60000	2000	æ
P13.16	№	0˙ 60000	1300	æ
P13.17	№	ɷ β' №№ 0' 1'	0	æ
P13.18	Ḡ			
P13.19	Ḡ			
P13.20		1%˙ 300%	50%	æ
P13.21	⌟	10%˙ 500%	100%	æ

P13.22	№Ò	2˙ 10	2	æ
P13.23	2 L	0ˈ D ₹ L^ SVC˜ 1ˈ Ḡ 2ˈ V/F L	0	Æ
P13.24	2 ∨ ⋮	0ˈ Ь 1 □ 1ˈ ∨ ⋮ 1 2ˈ ∨ ⋮ 2 3ˈ ∨ ⋮ 3 4ˈ ∨ ⋮ 4	0	æ
P13.25	↰	0.0%ˈ ^ ˫ ↰˜ 0.1%˙ 30.0%	₥	æ
P13`.26	Ḡ			
P13.27	L	0˙ 100	₥	æ

6.14 ă P14

w O ₰ Œ ∧ 2ˬ ˜ˀ

P15.11	PID	ĩ.	0.00	650.00s	[redacted]

P16.13	VDO3 ₹w	0 Ь DIxṗ 1 40 P04 DO ₹	0	æ
P16.14	VDO4 ₹w	0 Ь DIxṗ 1 40 P04 DO ₹	0	æ
P16.15	VDO5 ₹w	0 Ь DIxṗ 1 40 P04 DO ₹	0	æ
P16.16	VDO1 ₹	0.0s 3600.0s	0.0s	æ
P16.17	VDO2 ₹	0.0s 3600.0s	0.0s	æ
P16.18	VDO3 ₹	0.0s 3600.0s	0.0s	æ
P16.19	VDO4 ₹	0.0s 3600.0s	0.0s	æ
P16.20	VDO5 ₹	0.0s 3600.0s	0.0s	æ
P16.21	VDO ₹	0 1 ĭ ŒΒ VDO1 ΝΒ VDO2 Β VDO3 ΝΒ VDO4 ’ Β VDO5	0	æ

6.17 P19

w	O	₂	₹ Ν ỵ	
P19.00	AI 4 ~	-10.00V P19.02	0.00V	æ
P19.01	AI 4 ~	-100.0% +100.0%	0.00%	æ
P19.02	AI 4 1 ~	P19.00 P19.04	3.00V	æ
P19.03	AI 4 1 ~	-100.0% +100.0%	30.00%	æ
P19.04	AI 4 2 ~	P19.02 P19.06	6.00V	æ
P19.05	AI 4 2 ~	-100.0% +100.0%	60.00%	æ
P19.06	AI 4 ~	P19.04 +10.00V	10.00V	æ
P19.07	AI 4 ~	-100.0% +100.0%	100.00%	æ
P19.08	AI 5 ~	-10.00V P19.10	-10.00V	æ
P19.09	AI 5 ~	-100.0% +100.0%	-100.00%	æ
P19.10	AI 5 1 ~	P19.08 P19.12	-3.00V	æ

P19.11	AI	5	1	~	-100.0%· +100.0%	-30.00%	æ
P19.12	AI	5	2	~	P19.10· P19.14	3.00V	æ
P19.13	AI	5	2	~	-100.0%· +100.0%	30.00%	æ
P19.14	AI	5		~	P19.12· +10.00V	10.00V	æ
P19.15	AI	5		~	-100.0%· +100.0%	100.00%	æ
P19.16~ P19.23	Ḡ						
P19.24	AI1				-100.0%· 100.0%	0.00%	æ
P19.25	AI1				0.0%· 100.0%	0.50%	æ
P19.26	AI2				-100.0%· 100.0%	0.00%	æ
P19.27	AI2				0.0%· 100.0%	0.50%	æ
P19.28	AI3				-100.0%· 100.0%	0.00%	æ
P19.29	AI3				0.0%· 100.0%	0.50%	æ
P19.30	AI1		ㄴ	1	0.500V · 4.000V	₹ ∧	æ
P19.31	AI1		ㄴ	1	0.500V · 4.000V	₹ ∧	æ
P19.32	AI1		ㄴ	2	6.000V · 9.999V	₹ ∧	æ
P19.33	AI1		ㄴ	2	6.000V · 9.999V	₹ ∧	æ
P19.34	AI2			1	0.000V · 20.000mA	₹ ∧	æ
P19.35	AI2			1	0.000V · 20.000mA	₹ ∧	æ
P19.36	AI2			2	0.000V · 20.000mA	₹ ∧	æ
P19.37	AI2			2	0.000V · 20.000mA	₹ ∧	æ
P19.38	Ḡ					₹ ∧	æ
P19.39	Ḡ					₹ ∧	æ

P19.48	Ḡ			
P19.49	Ḡ			

6.18 L P20

w	O	₀	₮ ∧ ỵ	
P20.00	/ L	0' L 1' L	0	Æ
P20.01	L Ӆ	0' 1ˆ P20.03˜ 1' AI1 2' AI2 3' AI3( ) 4' Ⅱ 5' 6' MINˆ AI1,AI2˜ 7' MAXˆ AI1,AI2˜ ˆ 1-7 ˇ P20.03 ˜	0	Æ
P20.02	Ḡ			
P20.03	L Ӆ	-200.0%˙ 200.0%	150.00%	æ
P20.04		0˙ 10.00	0.00%	
P20.05	L h	0.00Hz˙	50.00Hz	æ
P20.06	L ǐ h	0.00Hz˙	50.00Hz	æ
P20.07	L ∨	0.00s˙ 650.00s	0.00s	æ
P20.08	L ⁞	0.00s˙ 650.00s	0.00s	æ

6.19 L ă P21

w	O	₀	₮ ∧ ỵ	
P21.00	⌟	0.00Hz˙	2.00Hz	æ
P21.01	⌟ ∨	0.0s˙ 6500.0s	20.0s	æ
P21.02	⌟ ⁞	0.0s˙ 6500.0s	20.0s	æ

P21.31	κ ⌠ 1	∓	0.0%˙ 100.0%ˆ	~	0.00% æ
P21.32	κ ⌠	ỵ 2	0.00Hz˙		50.00Hz æ
P21.33	κ ⌠ 2	∓	0.0%˙ 100.0%ˆ	~	0.00% æ
P21.34			0.0%˙ 300.0% 100.0%		5.00% æ
P21.35			0.01s˙ 600.00s		0.10s æ
P21.36	∓	ỵ	0.0%ˆ Ь ~ 0.1%˙ 300.0%ˆ	~	200.00% æ
P21.37	∓		0.00s˙ 600.00s		0.00s æ
P21.38	κ ⌠	1	0.0%˙ 300.0%ˆ	~	100.00% æ
P21.39	κ ⌠	1	0.0%˙ 300.0%ˆ	~	0.00% æ
P21.40	κ ⌠	2	0.0%˙ 300.0%ˆ	~	100.00% æ
P21.41	κ ⌠	2	0.0%˙ 300.0%ˆ	~	0.00% æ
P21.42	w		0: 1:		0 Æ
			0ˈ P21.44¢v	ˉ	
P21.43					
			0		

Í ر w

P23.10	AI2 ˆ V˜ / ˆ mA˜	0.01V/0.01mA	700AH	
P23.11	AI3 (V)	0.01V	700BH	
P23.12	ṿ	1	700CH	
P23.13	ṿ	1	700DH	
P23.14		1	700EH	
P23.15	PID	1	700FH	
P23.16	PID ǐ	1	700H	
P23.17	PLC	1	7011H	
P23.18	PULSE ˜ Ⅱ	0.01kHz	7012H	
P23.19	ǐ (Hz)	0.01Hz	7013H	
P23.2:0ₓ		0.1Min	7014H	
P23.21	AI1 ╠	0.001V	7015H	
P23.22	AI2 ╠ ˆ V˜ / ˆ mA˜	0.001V/0.01mA	7016H	
P23.23	AI3 ╠	0.001V	7017H	
P23.24		1m/Min	7018H	
P23.25	╠	1Min	7019H	
P23.26	╠	0.1Min	701AH	
P23.27	PULSE ˜ Ⅱ	1Hz	701BH	
P23.28	ṿ	0.01%	701CH	
P23.29	Ḡ			
P23.3:0 ˆ		0.01Hz	701EH	
P23.31	Y	0.01Hz	701FH	
P23.32	κ ṗ ضر يخ ṿ	1	702:-	
P23.33	Ḡ			
P23.34	ṿ	1Ṇ	7022H	
P23.35	(%)	0.10%	7023H	
P23.36	Ḡ			
P23.37	w غج	0.1£	7025H	

P23.38	Ḡ			
P23.39	VF № ㄧ	1V	7027H	
P23.40	VF № ₣ ㄧ	1V	7028H	
P23.41	DI ~	1	7029H	
P23.42	DO ~	1	702AH	
P23.43	DI w 1(w 01- w 4	1	702BH	
P23.44	DO w 2(w 41- w 8	1	702CH	
P23.45	Ḥ	1	702DH	
P23.46	h ɾ └h ŭ		702EH	
P23.47~ P23.57	Ḡ			
P23.58	Ḡ			
P23.59	(%)	0.01%	703BH	
P23.60	(%)	0.01%	703CH	
P23.61	ǐ ㄓ	1	703DH	
P23.62	╟	1	703EH	
P23.63	ŭ ẏ	0.01%	703FH	
P23.64	ɾ ɷ	1	7040H	

6.21 3 ǎ P28

w	O	₀	₣ ㄟ ẏ	
P28.00	㎜	0ʻ 1ʻ ǐ 2ʻ Ḡ	0	Æ
P28.01	w	0.1kW˙ 6553.5kW	㎜	Æ
P28.02	ㄧ	1V˙ 2000V	㎜	Æ
P28.03		0.01A˙ 655.35Aˆ ǐ ㄓw <=55kW˜ 0.1A˙ 6553.5Aˆ ǐ ㄓw >55kW˜	㎜	Æ

P28.04	0.01Hz˙	ضمم	Æ
P28.05	1rpm˙ 65535rpm	ضمم	Æ
	0.001		
P28.06			

P29.03		0.01A˙ 655.35A ĺ ر w <=55k W˜ 0.1A˙ 6553.5A ĺ ر w >55kW˜	ق	Æ
P29.04		0.01Hz˙	ق	Æ
P29.05		1rpm˙ 65535rpm	ق	Æ
P29.06		0.001 ˙ 65.535 ^ ĺ ر w <= 55kW˜ 0.0001 ˙ 6.5535 ^ ĺ ر w > 55kW˜	ă	Æ
P29.07		0.001 ˙ 65.535 ^ ĺ ر w <= 55kW˜ 0.0001 ˙ 6.5535 ^ ĺ ر w > 55kW˜	ă	Æ
P29.08		0.01mH˙ 655.35mH ĺ ر w <=5 5kW˜ 0.001mH˙ 65.535mH ĺ ر w >5 5kW˜	ă	Æ
P29.09	ε	0.1mH˙ 6553.5mH ĺ ر w <=55 kW˜ 0.01mH˙ 655.35mH ĺ ر w >55 kW˜	ă	Æ
P29.10		0.01A˙ P29.03˜ ĺ ر w <=55k W˜ 0.1A˙ P29.03˜ ĺ ر w >55kW˜	ă	Æ
P29.11~ P29.36	Ḡ			
P29.37		0ʻ ƀ 1ʻ 2ʻ	0	Æ

6.23 3 L P30

w	O			₂	₣ ∧ ỵ	
P30.00		ᴅ	1	1˙ 100	30	æ
P30.01		№	1	0.01s˙ 10.00s	0.50s	æ
P30.02	Ⓟ	1		0.00˙ P30.05	5.00Hz	æ
P30.03		ᴅ	2	1˙ 100	20	æ
P30.04		№	2	0.01s˙ 10.00s	1.00s	æ
P30.05	Ⓟ	2		P30.02˙	10.00Hz	æ
P30.06		L		50%˙ 200%	100%	æ
P30.07				0.000s˙ 0.100s		

		0' P31.10 1' AI1 2' AI2 3' AI3 o ↷	ł ʞ n 0		ł ʞ n 0
P31.09	Ƨ L Γ! ИƧ ^ Ѝ ¸	4' ^ PULSE ‖ 5' 6' MIN(AI1,AI2) 7' MAX(AI1,AI2) 0-7 ˘ P31.10	0	æ	
P31.10	L Ѝ	0.0% · 200.0%	150.00%	æ	
P31.11	Ḡ				
P31.12	Ḡ				
P31.13	: ɒ	0˙ 60000	2000	æ	
P31.14	: №	0˙ 60000	1300	æ	
P31.15	ɒ	0˙ 60000	2000	æ	
P31.16	№	0˙ 60000	1300	æ	
P31.17	№	ɷ β' №№ 0' 1'	0	æ	
P31.18	Ḡ				
P31.19	Ḡ				
P31.20		1%˙ 300%	50%	æ	
P31.21	¸	10%˙ 500%	100%	æ	
P31.22	№Ò	2˙ 10	2	æ	
P31.23	4 L	0' ɒ ƹ L^ SVC˜ 1' Ḡ 2' V/F L	0	Æ	
P31.24	4 ɐ ⁞				

P31.25	٦	0.0% ˆ ˫ ٦˜ 0.1%˙ 30.0%	ﻢﻤ	æ
P31.26	Ḡ			
P31.27	L	0˙ 100	ﻢﻤ	æ

7 ă w

7.1 ă L P0

P00.00		₮ ∧ ụ	0
	₀	0˙ 65535	

P00.00 κ ₩ ₡ ˘ ↕ Ḡ w Â Й ~ ∨ ˘

~ ˘ Ղ ↕ Ь ė ќ w ă ˘ Â

P00.00 ч 00000 ↕ ˘ ą Ḡ w Â

ă Δ . ₮ ∧ ụ 0

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P00.01

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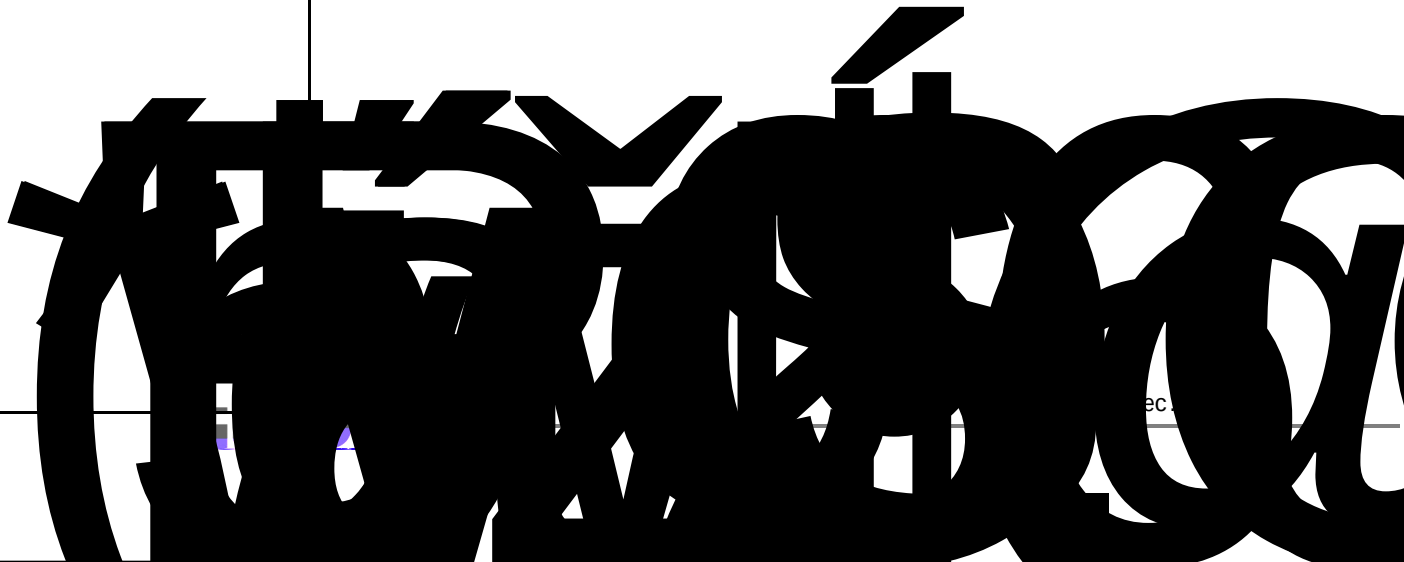
MF.K Ⓟ ɒ h Â w ɾ ضي ɒ ث ɥ ɓ ث ɒ Â

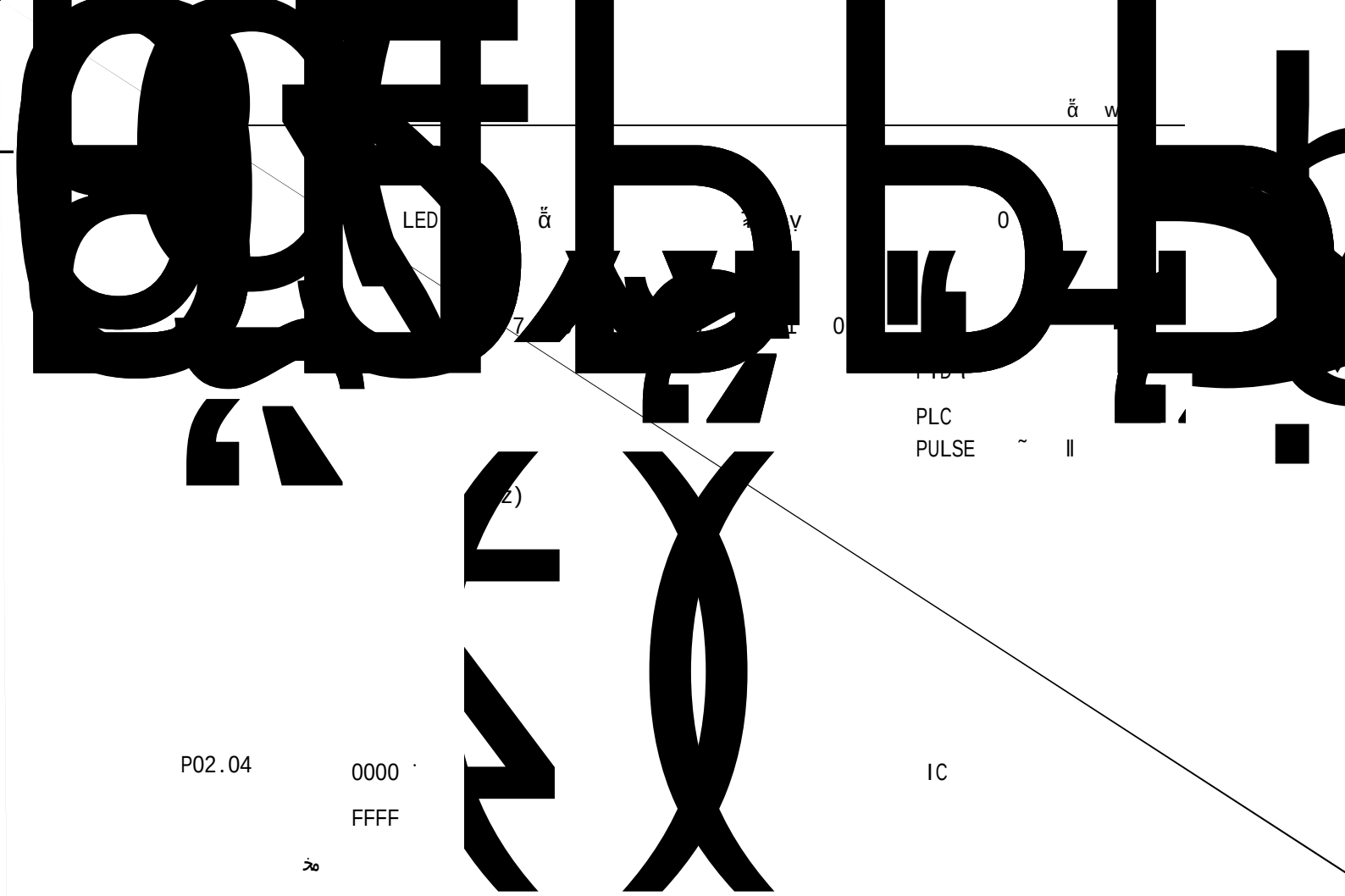
3' ـ

MF.K FJOG˜ Â

4' ـ

MF.K ـ ^ RJOG˜ Â





PLC
PULSE ~ ll

P02.04 0000 · IC
FFFF

1.0000 ٭ ٨ ٧

P02.06

03.0 ٭ ٭

P02.07	ĩ شجـ كح	₹ ∧ ẏ	0
	مخ	0.0Ņ˙ 100.0Ņ	

ĩ شجـIGBT Â

Ь ▯ قمم ĩ شجـIGBT Ḡ ẏ Ь ▯ Â

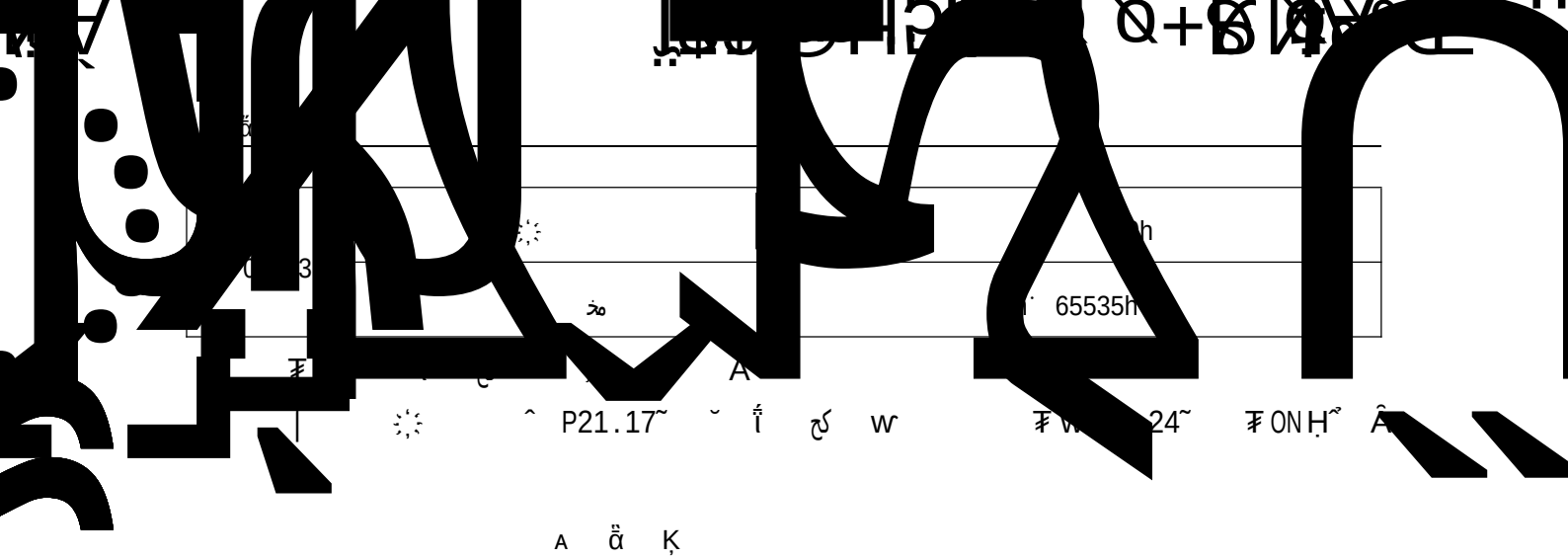
P02.09		₹ ∧ ẏ	0h
	مخ	0h˙ 65535h	

ĩ كح Â ⌠ P21.17Ủ ĩ كح w

₹w ^ 12˜ ₹ONḢ Â

P02.11	Ð	₹ ∧ ẏ	
	مخ	L Ð Â	
P02.12	β	₹ ∧ ẏ	1
	مخ	0	0 β β
		1	1 β β
		2	2 β β
		3	3 β β

Ь ^



P02.14

4 ˩ ^ FJOG˜
FJOG ч ˩ ˇ RJOG ч ˩ ǐ Â ˩



ч L ^ P08080 чч

20 ث ɒ Ⓟ

6	1	0	1	0
7	0	1	1	0
8	1	1	1	0
9	0	0	0	1
10	1	0	0	1
11	0	1	0	1
12	1	1	0	1
13	0	0	1	1
14	1	0	1	1
15	0	1	1	1
16	1	1	1	1

0 ๅ OFF 1 ๅ ON

ง ⋮ w

2	1	ง ⋮	ă
OFF	OFF	ง 1	P08.17 à P08.18
OFF	ON	ง 2	P21.03 à P21.04
ON	OFF	ง 3	P21.05 à P21.06
ON	ON	ง 4	P21.07 à P21.08

w

2	1		ă
OFF	OFF	1	P10 à P12
OFF	ON	2	P11

P03.10	DI	₮ ∧ ỵ	0.010s
	๗	0.000s˙ 1.000s	

DI Đ Â ą ~ Ỉ ˫ ƀ˘ ˆ

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P03.11

	ỵ	
DIx	1	ˆ FWD˜
DIy	2	ỉ ˆ REV˜
DIn	3	⁞⁞ L

ضي ˘ ώ ... DIn ˘ DIx DIy ⁞⁞ ˆ ỉ L Â

ضي Å ˘ DIn Ḥ˜ Â ỉ Ţ˘ DIx à DIy à DIn ч DI1˙ DI10 w ~ ˘ DIx à DIy ч ‖ ˘ DIn ч Â

3' ⁞⁞ L 2' ą ч DIn˘ ث פ DIx ₣˘ h DIy = Â w Й'

ỵ

1 ˆ FWD˜

P03.13	DI1	₮ ᴎ ỵ	0.0s	
	₰	0.0s˙ 3600.0s		
P03.14	DI2	₮ ᴎ ỵ	0.0s	
	₰	0.0s˙ 3600.0s		
P03.15	DI3	₮ ᴎ ỵ	0.0s	
	₰	0.0s˙ 3600.0s		

P04.01	FMRw ^ ₣ ~	₣ ∧ ỵ	0
P04.02	↺2 ₣w	₣ ∧ ỵ	
P04.03	Ḡ	₣ ∧ ỵ	0
P04.04	↺1 ₣w	₣ ∧ ỵ	1
P04.05	Ḡ	₣ ∧ ỵ	4

5ɷw ˘ G 5ɷ ₣ w Â
w ₣ w ЙӀ'

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0 ₣ ₣ K v w

1 Ĩ ↺ Ţ Ĩ ↺ G ˘ ₣ ^ ˜ Ɣ ч ~˘ ₣ONḤ˜ Â

2 ₣^ Å ~ Ĩ ↺ Ü ғ Å ˘ ₣ONḤ˜ Â

3 FDT1 ₣ ă w P21.19 à P21.20 Â

4 ⌡ ă w P21.21 Â

5 Ţ Å Ь ₣~ Ĩ ↺ ғ ₣ ч0 ˘ ₣ONḤ˜ Âضِ Ĩ ↺ G Å ˘ Ḥ˜ ч OFF Â

6 ł ł l·

10 ⌠ P09.05 ˇ ₣ON Ḥ ̂ Â

11 PLC PLC ₩ ɷ Uˇ ₣ ₩ ɷ ч 250ms
Ⅱ Ḥ ̂ Â

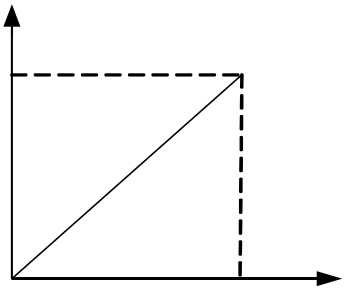
12 ⌠ Ť ☋ P21.17 ˇ ₣ON Ḥ ̂ Â

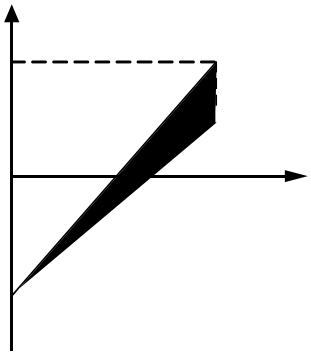
13 Ţ ₣ː Ѝ ˇ ғ Ť ☋ ₣ ˝
ƒː Ť

27

DO ₣ ₣ ∧ ỵ 00000

	ɷ β	FMR	
	0		
	1	ỉ	
P04.11	∧ β	ↄ2	ˆ 0˙ 1˜
	β	Ḡ	
	∧ β	ↄ1	ˆ 0˙ 1˜
	' β	Ḡ	





P05.18	PULSE ~	₣ ∧ ỵ	100.0%
	₰	-100.00%˙ 100.0%	
P05.19	PULSE	₣ ∧ ỵ	0.10s
	₰	0.00s˙ 10.00s	

w G ˘ DI5 ‖ Ь Ң ˜ Â
‖ ⁷ DI5 ~ ĩ ☹ Â w Ь 1 ³˘ ă 1
Â

AI ₣ ∧ ỵ 321

P05.20 ₰

P05.21	AI ᵞ G ~		₣ ᴺ ᵥ	000
	₰	ɑ β	AI1 ᵞ G ~	
		0	~	
		1	0.0%	
		ᴺ β	AI2 ᵞ G ~ ˆ 0˙ 1˜ ⍰;⁚ ~	
		β	AI3 ᵞ G ~ ˆ 0˙ 1˜ ⍰;⁚ ~	

w G ˘ ~ ᐟ G Ĭ ~ Ŀ ˘

ᵥ Â

w ɑ β à ᴺ β à β˘ №≠ ~ AI1 à AI2 à AI3 Â

ч 0˜ ↕ AI ~ ᵞ G Ĭ ~ Ŀ ˘ ↕ ˘ ч w

Ĭ ~ Ŀˆ P05.01 à P05.06 à P05.11˜ Â

ч 1˘ ↕ AI ~ ᵞ G ~ ˘ ↕ ч 0.0% Â

7.6 ĭ ‖ ₣ P6

P06.00	FMP ₣ w ˆ ‖ ₣ ~	₣ ᴺ ᵥ	0
P06.01	AO1 ₣ w	₣ ᴺ ᵥ	0

F M P ₣ ‖ ₰ ч 0 . 0 1 k H z ~ P06.03˜ F M P ₣ ~ ˘ P06.03

˜ ᵞ ض 0.01kHz~50.00kHz ң Â

₣ AO1 ₣ ₰ ч 0V˙ 10V ˘ 0mA˙ 20mA Â ‖ ₣ ₣

₰˘ Ь w ˜ Й ˈ

6	PULSE Ⅱ ~	0.01kHz˙ 50.00kHz
7	AI1	0V˙ 10V
8	AI2	0V˙ 10V^ 0˙ 20mA~
9	AI3	0V˙ 10V
10		0˙
11	ỵ	0˙ ỵ
12		0.0%˙ 100.0%
13		0˙ ₮

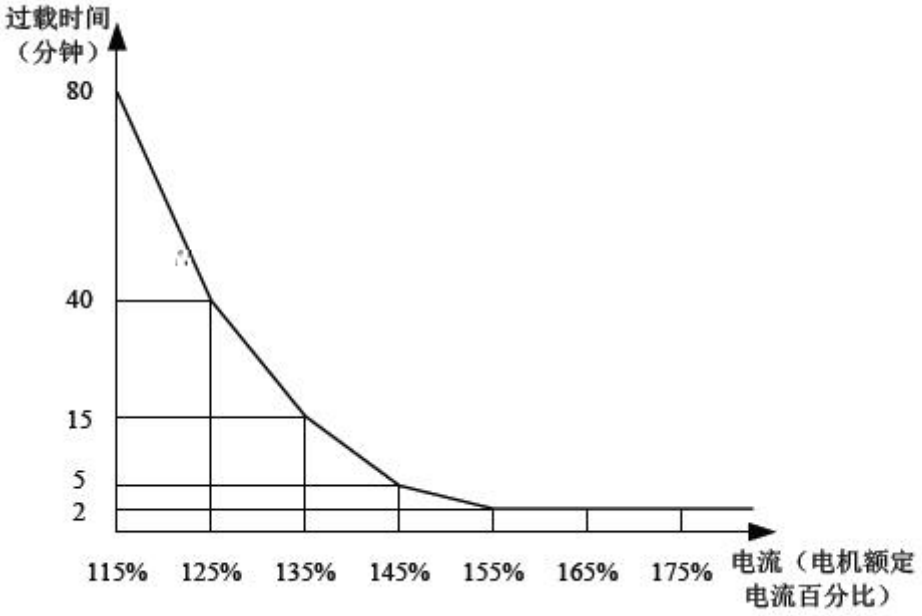
7.7 Ḡ ă P7

P07.00	Ḡ		ᵉ ∧ ỵ	1
	ṁ	0		
		1		
P07.01	Ḡ		₮ ∧	1.00
	ṁ			0.20 10.00

P07.00=0' Ḡ w ˘ ˆ ض شخ ٦ ˘ ĭ ڪ Ь ң

₰ ڪ'

P07.00=1' ĭ ڪ Ḡ ĭ ˘ ∞ ٦ Â



ɒ ' ض 120% ' Й 30 № ˘ ↕ ѽ Й

30 № Ix

P07.02		₣ ∧ ỵ	80%
	ض	50%˙ 100%	

W G ضي Ḡ ╠ DO L ₩ ₡ Ḥ Â
G ضي Ḡ ╠ Â ỵ ↕ ╠ Â

ĭ ح ₣ ˘ G ĭ Ь P07.02 ě U˘ ĭ ح W
DO ₣ Ĭ L ON Ḥ Â

P07.03	∧	₣ ∧ ỵ	0
	ض	^ ∧ ~ ˙	100
P07.04	∧ Ḡ ∧	₣ ∧ ỵ	130%
	ض	' Ł	120%˙ 150% Ķ Ķ

P07.10	¬ β DO¬ ƀ	₣ ∧ ỵ	1
	₥	0' Ь¬ ƀ 1' ¬ ƀ	

Ĩ ☇ ☋ ¬ β w ˇ ↕ ض ¬ β ˇ DO ⅂¬ ƀˇ

ɣ P07.10 Â

P07.11	¬ β	₣ ∧ ỵ	1.0s
	₥	0.1s˙ 100.0s	

Ĩ ☇ ˇ ⌠ ¬ β ҥ Â

~

P07.12

		₩ ~ ˘ ч'	
P07.20	:::	~	BI T9 BI T8 BI T7 BI T6 BI T5 BI T4 BI T3 BI T2 BI T1 BI T0 DI 0 DI 9 DI 8 DI 7 DI 6 DI 5 DI 4 DI 3 DI 2 DI 1 ~ ч ON Ì Hυ L β ч 1˘ OFF ↕ ч
		₩ ₣ ˘ ч'	
P07.21	:::	₣	BIT4 BIT3 BIT2 BIT1 BIT0 Ḡ ⍲ 1 Ḡ ⍲ 2 FMP ~ ч ON Ì Hυ L β ч 1˘ OFF ↕ ч 0, DI . ч M L Â
P07.22	:::	Ĩ ⍲	Ḡ
P07.23	:::	⁛	₩ ⁛
P07.24	:::		₩
P07.27	Hυ		
P07.28	Hυ		
P07.29	Hυ	⍱	
P07.30	Hυ	~	
P07.31	Hυ	₣	
P07.32	Hυ	Ĩ ⍲	□ P07.17˙ P07.24
P07.33	Hυ	⁛	
P07.34	Hυ		
P07.37	₩		
P07.38	₩		
P07.39	₩	⍱	
P07.40	₩	~	
P07.41	₩	₣	
P07.42	₩	Ĩ ⍲	□ P07.17˙ P07.24
P07.43	₩	⁛	
P07.44	₩		

P07.47	Ḡ ˉ ƀ 1		₹ ∧ ỵ	00000
	ɔ̀ₒ	ɷ β	ˆ E011˜	
		0	Å	
		1	Å Å	
		2		
		∨ β	˜ ˆ E113˜ ˆ □ ɷ β ˜	
		β	₹ ˆ E114˜ ˆ □ ɷ β ˜	
		∨ β	ˆ E015˜ ˆ □ ɷ β ˜	
		’ β	ˆ E0202˜ ˆ □ ɷ β ˜	
P07.48	Ḡ ˉ ƀ 2		₹ ∧ ỵ	00000
	ɔ̀ₒ	ɷ β	ლ ˆ E118˜	
		0	Å	
		1	Ⓟ ч VF˜ Å Å	
		2	Ⓟ ч VF˜	
		∨ β	w Ω ˆ E021˜	
		0	Å	
		1	Å Å	
		β	ΐ̃ ლ ˆ E111˜ ˆ □ P07.47 ɷ β ˜	
		∨ β	ˆ E045˜ ˆ □ P07.47 ɷ β ˜	
		’ β	⌠ ˆ Err26˜ ˆ □ P07.7 ɷ β ˜	

P07.49	Ḡ ⁻ ƀ 3		₣ ∧ ẏ	00000
	ɔ́	ɷ β	Ꮋ 1̂ E027˜ ^ P07.47 ɷ β ˜	
		∨ β	Ꮋ 2̂ E028˜ ^ P07.47 ɷ β ˜	
		β	⁞ ⌠ ^ E029˜ ^ P07.47 ɷ β ˜	
		∨ β	^ E030˜	
		0	Å	
		1	Å Å	
		2	⁞ ⌠ 7% ˘ Ƀ ↕ ⁻ ⌠	
		' β	PID ǐ ʁ ^ E031˜ ^ P07.47 ɷ β ˜	
P07.50	Ḡ ⁻ ƀ 4		₣ ∧	00000
	ɔ́	ɷ β	Ẓ ^ E119˜ ^ P07.47 ɷ β ˜	
		∨ β	^ E115˜ ^ P07.47 ɷ β ˜	
		β	Δ β ^ E051˜ ^ P07.47 ɷ β ˜	
		∨ β	ǐ ^ E052˜ ^ P07.47 ɷ β ˜	
		' β	Ḡ	

ч ǀ' Å Ŀ ˘ ǐ́ ϛ E** Å Â

ч ǀ' Å Å Ŀ ' ǐ́ ϛ A** Å Å ˘ Å U E** Â

ч ǀ' Ŀ ' ǐ́ ϛ A** P07.54 Â

P07.54			₣ ∧ ẏ	0
	ɔ́	0	Ɣ ╠	
		1	Ɣ	
		2	Ɣ⁞	
		3	Ɣ Ѝ	
		4	Ɣ	

P07.55		₣ ∧ ν	100.0%
	₥	0.0%˙ 100.0%	

ĭ ς Ţ°° ˘ ₣ ч ˘ ĭ ς

A**˘ ϒ P07.54 Â

˘ P07.55 ν˘ G № Â

P07.59	Å˘ ƀ		₣ ∧ ν	0
	₥	0		
		1	⁞	
		2	⁞ Å	
P07.60	Å ⁞ Ⓟ		₣ ∧ ν	0.0%
	₥		0.0%˙ 100.0%	
P07.61	Å ∧ ₹ ∧ ∞		₣ ∧ ν	0.50s
	₥		0.00s˙ 100.00s	
P07.62	Å ь Å˘ ƀ ∞ ∧		0 ₣ ∧ ν	80.0%
	₥		60.0%˙ 100.0%ˆ ‰ ∧˜	

w ˘ ض Å ∧ ∀ ˘ ĭ ς ∀ ₣ ˘ ₹

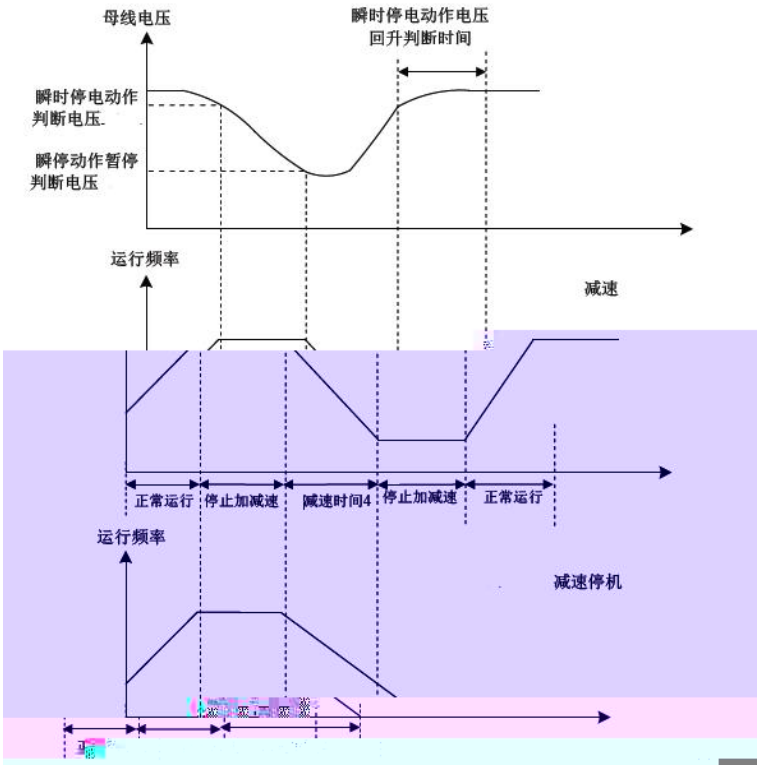
ẽ ĭ ς ∧ ∀˘ ϒ ĭ ς Â

P07.59=1 ˘ ض Å ∧ ∀ ˘ ĭ ς ⁞ ˘ ∧ ˘

ĭ ς ₰ ⌠ Â ∞ ∧ ц ∧ ₣

P07.61 Â

P07.59=2 ˘ ض Å ∧ ∀ ˘ ĭ ς ⁞ ⌠ Å Â



Å ˙ ƀ ىح

P07.63	Ḡ		∓ ∧ ỵ	0
	ىخ	0		
		1		
P07.64			∓ ∧ ỵ	10.0%
	ىخ		0.0%˙ 100.0%˜	
P07.65			∓ ∧ ỵ	1.0s
	ىخ		0.0s˙ 60.0s	

Ḡ w ˘ ↕ ǐ ح ∓ G P07.64˜ ғ
G P07.65 ˘ ǐ ح ∓ ˙ ٧ ч 7% Â ضي Ḡ
˘ ˘ ↕ ǐ ح ˙ ч Â

	ỵ	₹ ∧ ỵ		15.0%
P07.67				
	₯		0.0% 50.0%	~
		₹ ∧ ỵ		1.0s
P07.68				
	₯		0.0s 60.0s	

1' Ḡ

2' V/F └ ɢ Ь ˘ ₩̃ ĩ ᄀ ˉ ˜ ﻲ ˘ à

Â˜ ɢ ₩ ˉ ˜ ﻲ Â

' └ ă Â₇ ‰ ă Ü

└ п ㇔ Â ᄀ ă P12 w ^ 2 ч P13 ˜˘

˜ п Â

	ث פ		₣ ∧ ỵ	0
P08.02	ﻍ	0	Ъ ث פ ^ LED ˜
		1	ث פ ^ LED ˜
		2	ث פ ^ LED ˜

ĩ ᄀ └ث פ ˜ Â

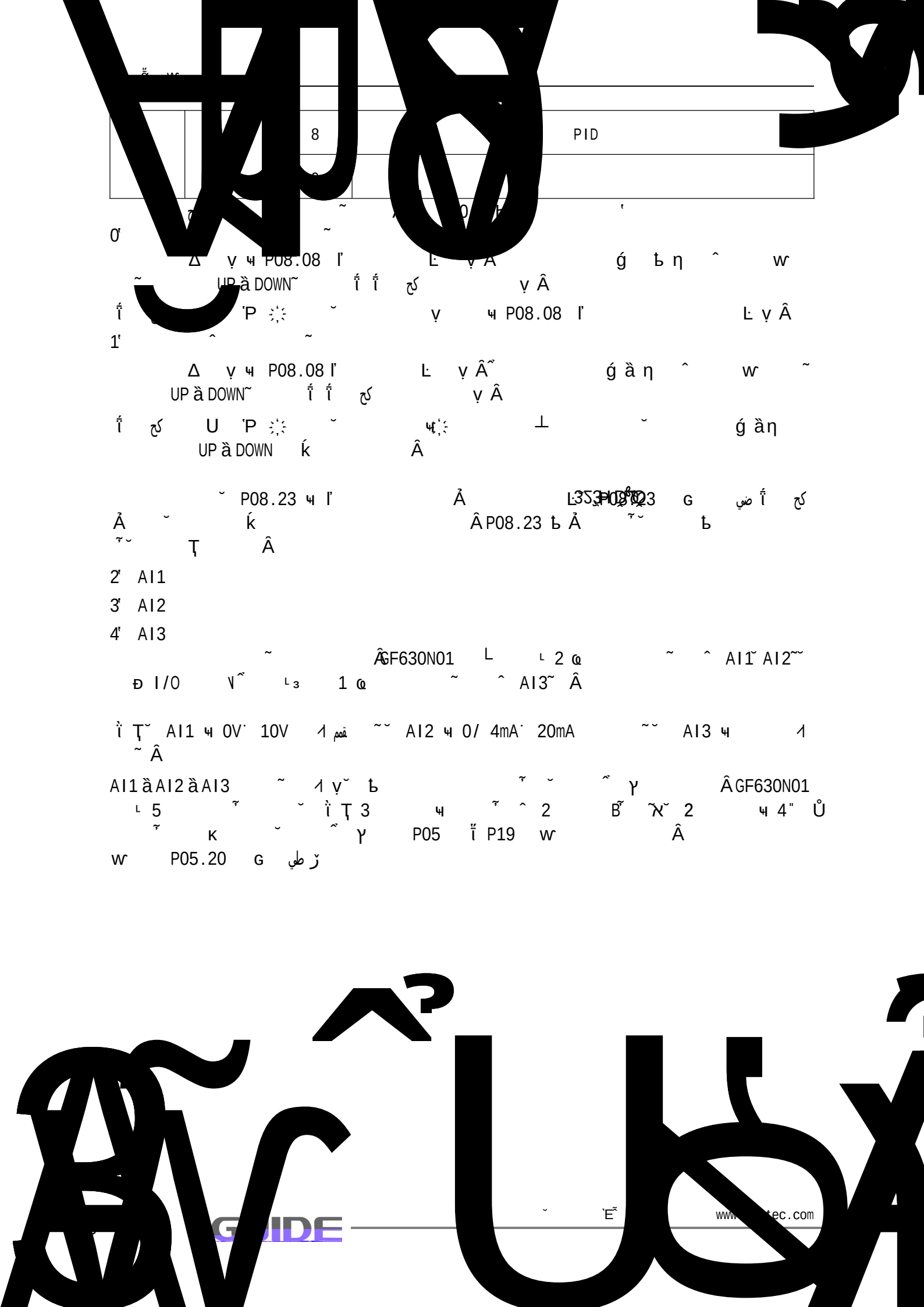
ĩ ᄀ └ث פ´ ' Ω¨ à Å à à ǐ à ˉ Â

0' Ъ ث פ ^ l' LOCAL Ŀ ˜ ' Ъ RUN à STOP/RES ث פ └Â

1' ث פ ^ l' LOCAL Ŀ ˜ ' w ˜ FWD à REV à JOGF à JOGR ˘ ث פ └Â

2' ث פ ^ l' LOCAL/REMOT Ŀ ˜ ث פ β ₣ Â ˘ ∧ Â

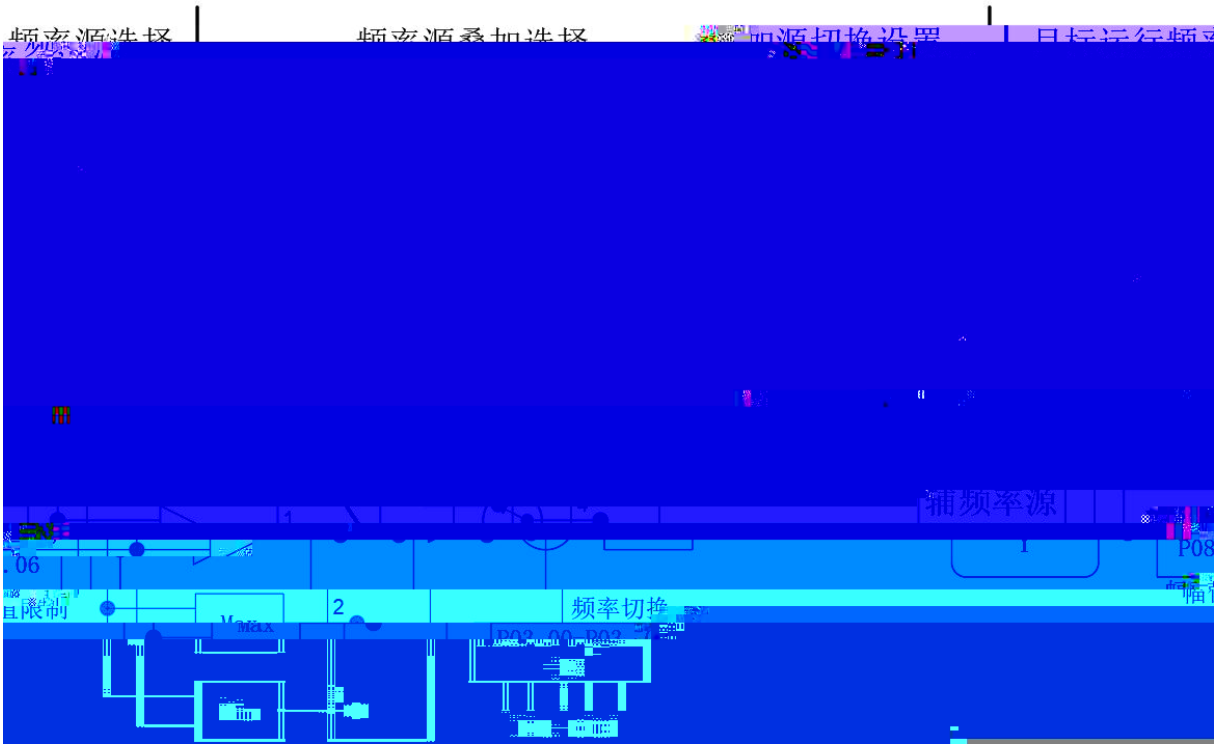
	h X		₣ ∧ ỵ	0
P08.03	ﻍ	0	^ P08.08ˇ UP/DOWN˜ ḱ ˘ Ь ˜
		1	^ P08.08ˇ UP/DOWN˜ ḱ ˘ ˜
		2	AI1
		3	AI2
		4	AI3
		5	‖ ^ DI5˜
		6	ɒ
		7	PLC



˘ Ȅ̃ ◆ ɾ ɯ ɬ ɔɯ ÔǴ ɔɯ ɀ Ķ m א t Ő ך ķ א t Ń ɔɯ Ô ́H ɔɯ Ď ɔɯ

3˜ ч ‖ ~ ˘ Ь ³ Â ' ↑ Y Ь h
X ˘ Ь ч □ ₩ ₡ ˘ ∢ P08.03 Ь P08.04 Ь ч □ ẏ˘ Ղ ↕
Ÿ Â

	ŋ ∀ ↑	Y ⁂	∓ ∧ ẏ	0
P08.05		0	G	
	⁂	1	G h	X
P08.06	ŋ ∀ ↑	Y ⁂	∓ ∧ ẏ	0
		⁂	0%˙ 150%	



0' h X

h X ƀ ч Â

1' h h ƀ ч ˘ h ˜ w

ľ Ⅵ β Ŀ Â

2' h X Ь ↑ Y Ⓟ w ~ w 18ˆ Ⓟ ~

˘ h X ƀ ч Â w ~ w 18ˆ Ⓟ ~

˘ ↑ Y ƀ ч Â

3' h X Ь h Ⓟ w ~ w 18ˆ Ⓟ ~

˘ h X ƀ ч Â w ~ w 18ˆ Ⓟ ~

˘ h ƀ ч Â

4' ↑ Y Ь h Ⓟ w ~ w 18ˆ Ⓟ ~

˘ ↑ Y ƀ ч Â w ~ w 18ˆ Ⓟ ~

˘ h ƀ ч Â Ⅵ β' h ˜ '

0' h X+ ↑ Y

h X Ь ↑ Y ė ƀ ч Â ŋ ∨ w Â

1' h X- ↑ Y

h X ⁞ˇ ↑ Y ƀ ч Â

2' MAXˆ h Xˇ ↑ Y˜ ŭ h X Ь ↑ Y Ţ ụ ƀ ч

Â Ẓ ˘ ɣ Ỵ Â

ᵻ ᴻ ᵧ 50.00Hz

P08.08

~ Â ~ ~ 100% P08.12 Â
ɒ ضي ٧ L شي L ˘ ч ѽ ₣ ľ Ŀ ˘ ˆ ɣ
˘ ĭ ҁ ṿ ˘ ĭ ҁ Ḡ ضِ Â

P08.12		₣ ٨ ṿ	50.00Hz
	ѯ	Ӣ	P08.14˙ P08.10
P08.13	Ẓ	₣ ٨ ṿ	0.00Hz
	ѯ	0.00Hz˙	P08.10

ч PULSE ˘ P08.13 ƀ ч ṿ Ẓ ˘ Ẓ Ь
P08.11 ṿ Ŋ ѵ˘ ƀ ч ṿ Â

P08.14	Ӣ	₣ ٨ ṿ	0.00Hz
	ѯ	0.00Hz˙	P08.12

ɒ ٧ G P08.14 Ӣ ˘ ĭ ҁ ˆ ɣ Å à ɣ Ӣ ɣ
˘ ٧ ˆ ɣ P21.14 ٧ G Ӣ ~ Â

P08.15		₣ ٨ ṿ	Ь ѭ W ˆ
	ѯ	0.5kHz˙ 16.0kHz	

Ψ Ӣ ↓ ºº ڏ'

	٧ ŕ
ك	ŕ
₣	ŕ
٦	ŕ ٧
ĭ ҁ ٦	٧ ŕ
	ŕ
	ŕ

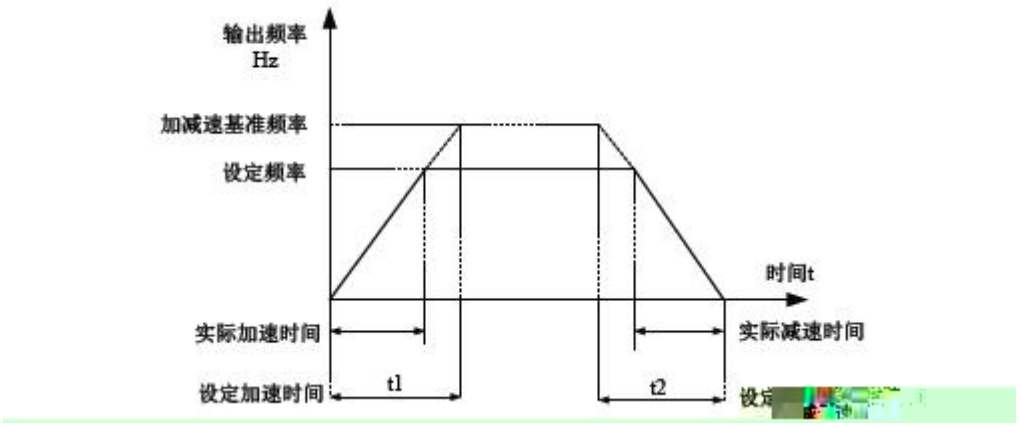
Ь W ĭ ҁ˘ ₣ ٨ Ь Â ˆ ɣ ќ ˘ p
' ₣ ٨ ṿ ˘ Ψ ĭ ҁ ҁ ٦ ˘
ĭ ҁ ą ˘ Ղ ↕ ĭ ҁ ٧ Â

P08.16		₣ ^ ẏ	0
	ж		0' ᵀ 1'

ˇ Ï ᄀ ⌡ ᄀ ˇ ˩ ʏ ˇ ʏ Ḃ
ʏ Ï ᄀ ^ Â ᄀ ʏ ˇ ⌡ ẏ Â w ˆ ʏ ⋮
Ï ᄀ Ψ Â

P08.17	ᵛ 1	₣ ^ ẏ	ᵐ w
	ж	0.00s˙ 6500.0s	
P08.18	⋮ 1	₣ ^ ẏ	ᵐ w
	ж	0.00s˙ 6500.0s	

ᵛ Ï ᄀ ᄃ ˇ ᵛ ⌡ ᵛ ⋮ ‰ ^ P08.25 ~ ˇ ᴈ Ţ
t1 Â
⋮ Ï ᄀ ᄃ ᵛ ⋮ ‰ ^ P08.25 ~ ˇ ⋮ ⌡ ˇ ᴈ Ţ
t2 Â



ᵛ ⋮ ᴈ
GF630N01 ᴸ 4 ᵛ ⋮ ˇ ^ ≠ ~ DI Ⓟ ˇ ض ᵛ ⋮
Й w '
₩ ' P08.17 à P08.18'
ʜ ' P21.03 à P21.04'
ᵔᵔ ' P21.05 à P21.06'
ض ' P21.07 à P21.08 Â

P08.19	⋮		∀	1
		0	1	
		1	0.1	
		2	0.01	

GF630N01 3 ⋮ ∀ 1 0.1 0.01

P8 ⋮ ⋮

P08.21	Z	∀	0.00Hz
		0.00Hz	P08.10

P8.21 Z

P08.22	№	∀	2
	1	0.1Hz	
	2	0.01Hz	

№ 0.1Hz GF630N01 ∀ 500Hz № 0.01Hz GF630N01 ∀ 500.00Hz

P8 ⋮ ⋮

P08.23		∀	0
	0		
	1		

P08.08

UP DOWN

UP DOWN

P08.35	٧ ⋮	₹ ∧ ٧	0
	ﻣﺨ 0	0	٧ ⋮
		1	S ٧ ⋮ A
		2	S ٧ ⋮ B

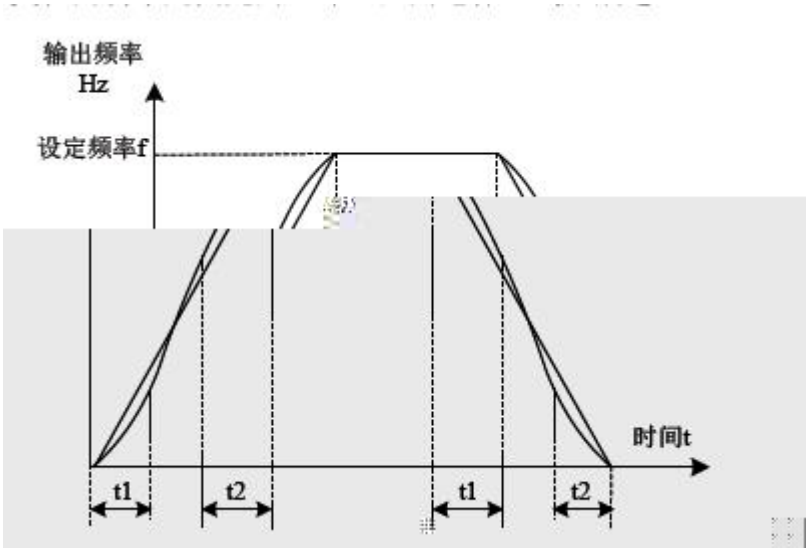
ï ﺟﻚ ﺿﻲ Ω à Å˘ Ţ ï˙ Â
0' ٧ ⋮ ₹ ⋮ Â
1' S ٧ ⋮ A ₹ S ⋮ Â
S ﺿﻲ Ω˘ Å ﺷﻲ ą ˘ à Âw P08.36 ﻍ P08.37
№≠ Ч ↻ S ٧ ⋮ ﻍ ɒ ﺿﻲ ¥;'; ˘
٧ ⋮ ч'

$$t = (\frac{4}{9} \times (\frac{f}{f_b})^2 + \frac{5}{9}) \times T$$

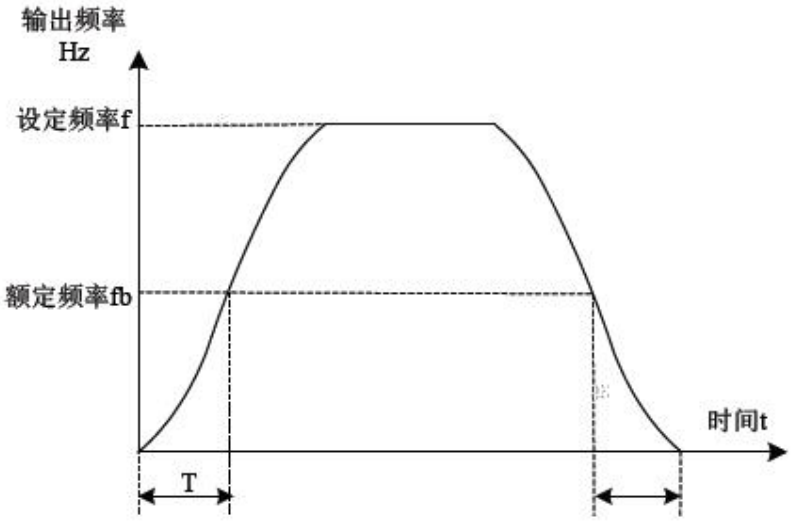
ì Ţ˘ f ч ˘ f b ч ˘ T ч ⊄ 0 ٧ ⌠ f b
Â

S ɒ ₹ ∧ ٧ 30.0%
P08.36
ﻣﺨ 0.0%' ^ 100.0%- P08.37˜

S ɒ
P08.37



S ᵛ ⁞ A ᵡᵢ



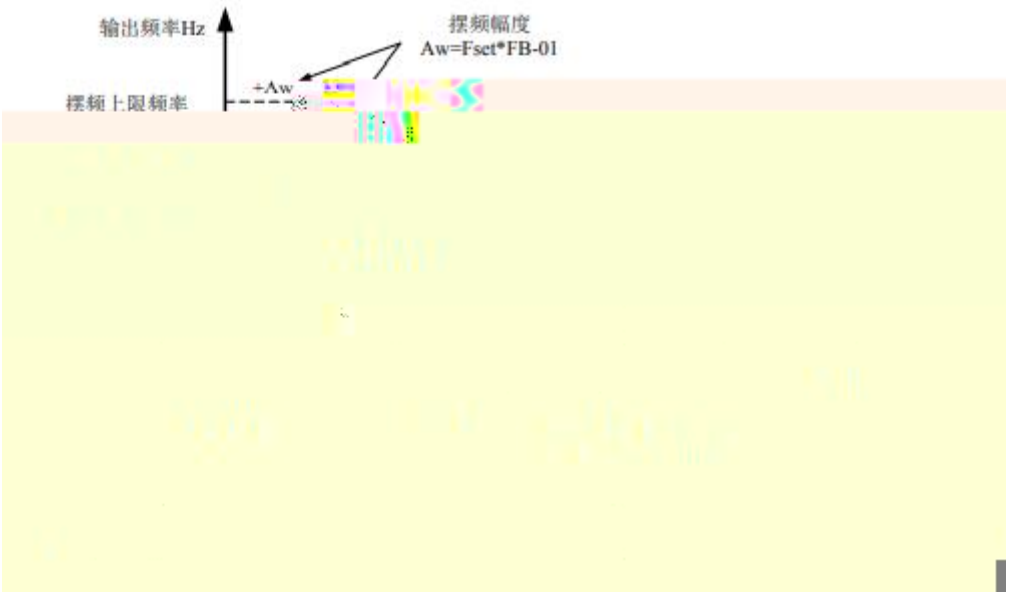
S ᵛ ⁞ B ᵡᵢ

P08.38	Å		₣ ᴧ ᵛ	0
	ᵡₒ	0	⁞ Å	
		1	Å	

0ᵑ ⁞ Å Å ث ɒ U˘ Ĩ ᶜ ⁞ ᵞ ₣ ˘ ᵸ 0 U Å Â
1ᵑ Å Å ث ɒ U˘ Ĩ ᶜ ᴧ ₣˘ Å Â

B

ă w



Ъ

P09.00		₣ ∧ ν	0
		0	G Ţ
		1	G

ă ‰ Â

0' Ţ ˘ ч ĭ Â Ţ ^ ~ ĭ. ĭ. Â
1' ˘ ч ˘ ₰ Â

P09.01		₣ ∧ ν	0.0%
		0.0%˙ 100.0%	
P09.02		₣ ∧ ν	0.0%
		0.0%˙ 50.0%	

ă ν ĭ ν Â

G Ţ ^ P09.00=0~ ˘ AW¸ ¦ P09.01 Â
G ^ P09.00=1~ ˘ AW¸ ¦ P09.01 Â

ч ˘ G №˘ ∨'
AW ¦ P09.02 G Ţ ^ P09.00=0~ ˘ ĭ.
ν Â G ^ P09.00=1~ ˘ ₰ ν Â
˘ Ѐ,: ¿ Й Â

˘ Ё˜ ' www.gdetec.com

P09.03	Ա	₣ ∧ ν	10.0s
	☆	0.0s˙ 3000.0s	
P09.04	▒▒ ▒▒ ↿	₣ ∧ ν	50.0%
	☆	0.0%˙ 100.0%	

Ա ' ₩ ₢ Ա ν Â

▒▒ ▒▒ ↿ P09.04˝ ▒▒ ▒▒ ↿ Ա P09.03 № Â

▒▒ ▒▒ ↿ ˛ Ա P09.03 ▒▒ ▒▒ ↿ P09.04 ˘ ↓ β ч Â

▒▒ Й ˛ Ա P09.03 ¦ˆ 1˙ ▒▒ ▒▒ ↿ P09.04˜ ˘ ↓ β ч Â

P09.05		₣ ∧ ν	1000m
	☆	0m˙ 65535m	
P09.06		₣ ∧ ν	0m
	☆	Ƶ00 ž☆ ☆35m	

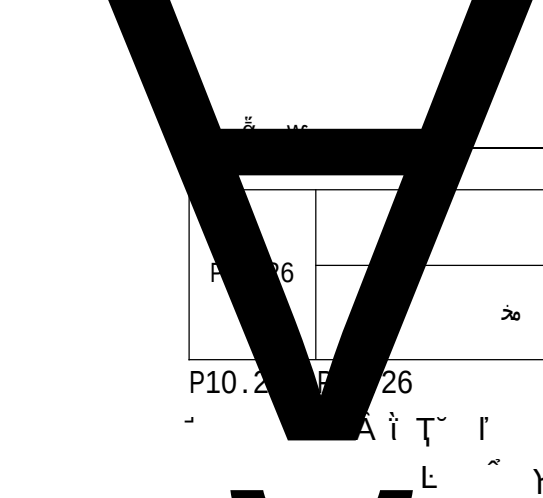
Ь

	ж	-100.0% 100.0%	
P09.17	Ф 7	₣ ∧ ų	0.0%
	ж	-100.0% 100.0%	
P09.18	Ф 8	₣ ∧ ų	0.0%
	ж	-100.0% 100.0%	
P09.19	Ф 9	₣ ∧ ų	0.0%
	ж	-100.0% 100.0%	
P09.20	Ф 10	₣ ∧ ų	0.0Hz
	ж	-100.0% 100.0%	
P09.21	Ф 11	₣ ∧ ų	0.0%
	ж	-100.0% 100.0%	
P09.22	Ф 12	₣ ∧ ų	0.0%
	ж	-100.0% 100.0%	
P09.23	Ф 13	₣ ∧ ų	0.0%
	ж	-100.0% 100.0%	
P09.24	Ф 14	₣ ∧ ų	0.0%
	ж	-100.0% 100.0%	
P09.25	Ф 15	₣ ∧ ų	0.0%
	ж	-100.0% 100.0%	

Ф ў γ ۞ ۞ ۞ ' ђ ч à ђ ч VF № ∧ à ђ ч PID Â

۞ ۞ ۞ ۞ Ий ў Ф ч ų ў ж -100.0%~100.0% ў ђ ч ї ч № ' ђ ч VF № ∧ ў ч G ∧ № ' G PID ч ų ў Ф ђ ч PID Ь Â Ф w DI Ь □ ў ® ў ї r ă P3 ў Â

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P10.26	مخ	0.01A P10.19 <=55kW	
		0.1A P10.19 >55kW	

P10.26 P10.22 P10.24 5 P10.17 P10.18 P10.22 P10.26 5

P10.53	مخ	0	0
		1	
		2	

0 1 RUN 2 P10.16~P10.21 P10.22 P10.24

P21.02	¬ ⋮	₣ ∧ ỵ	20.0s
	₥	0.0s˙ 6500.0s	

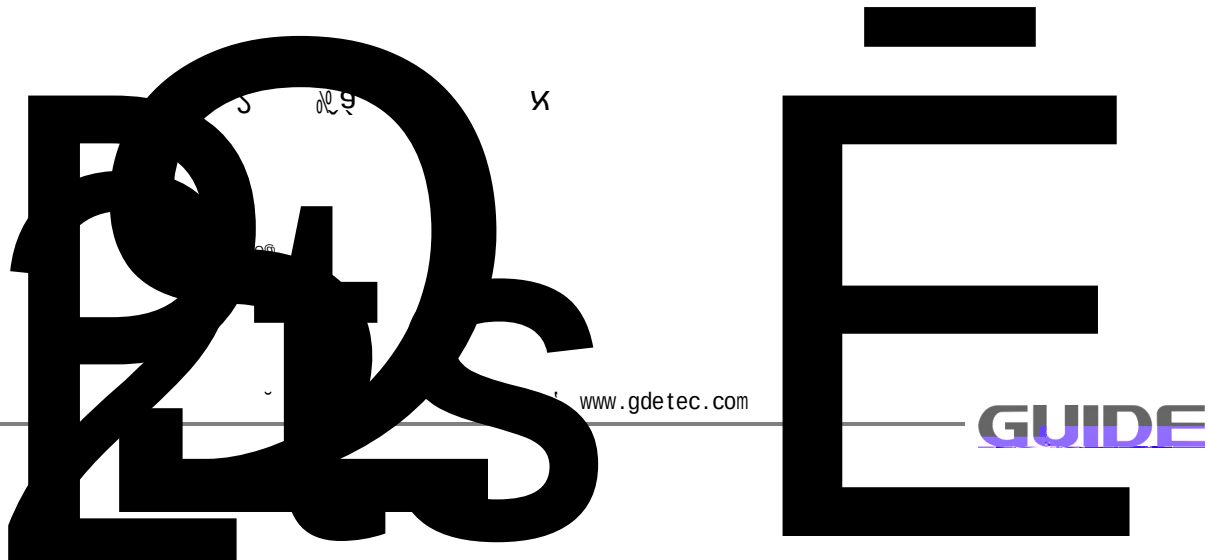
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¬ ˘ Ω¬ ᵩ ч Ω¬ ^ P08.28 = 0 ~ ˘ Å ᵩ ч ⋮ Å

^ P08.38=0~ Â

P21.03	∀ 2	₣ ∧ ỵ	20.0s
	₥	0. 0s˙ 6500.0s	
P21.04	⋮ 2	₣ ∧ ỵ	20.0s
	₥	0. 0s˙ 6500.0s	
P21.05	∀ 3	₣ ∧ ỵ	20.0s
	₥	0. 0s˙ 6500.0s	
P21.06	⋮ 3	₣ ∧ ỵ	20.0s
	₥	0. 0s˙ 6500.0s	
P21.07	∀ 4	₣ ∧ ỵ	20.0s
	₥	0. 0s˙ 6500.0s	
P21.08	⋮ 4	₣ ∧ ỵ	20.0s
	₥	0. 0s˙ 6500.0s	

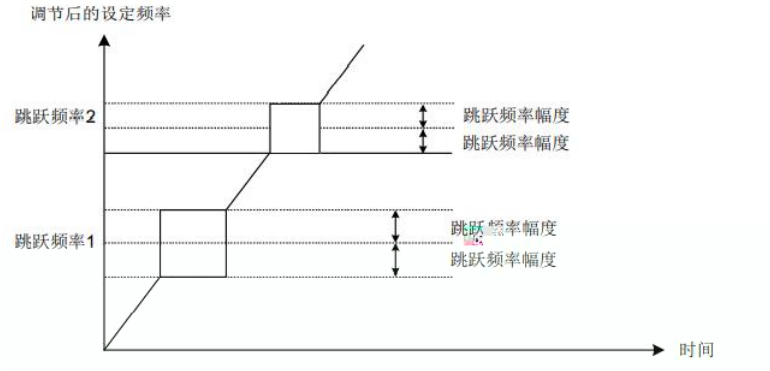
b



P21.11		∓ ∧ ν	0.00Hz
	ﺥ	0.00	

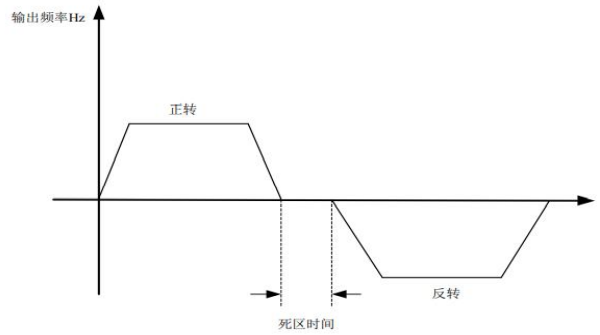
ض ﺥ ρ ˘ Ψ ض Â
˘ ˜ Y ą ĭ ﻙ ˜ Â

GF630N01˜ Ң ɷ ˘ Ң ɷ ﺵ ч Ơ ↕ w ŭ Â
ĭ ∧ ˘ ă Ӈ ﻱ



P21.12	ĭ ∀	∓ ∧ ν	0.0s
	ﺥ	0.00s 3000.0s	

ĭ ﻙ ĭ Ţ˘ ض ∓ 0Hz ˘ ﻱ '



P21.13	ĭ └ ą	∓ ∧ ν	0
	ﺥ 0	¨Ң	
	1		

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P21.13=1 Â

P21.14	٧ G Й		₹ ٨ ٧	0
	ﻩ	0	٢ Й	
		1	Å	
		2		

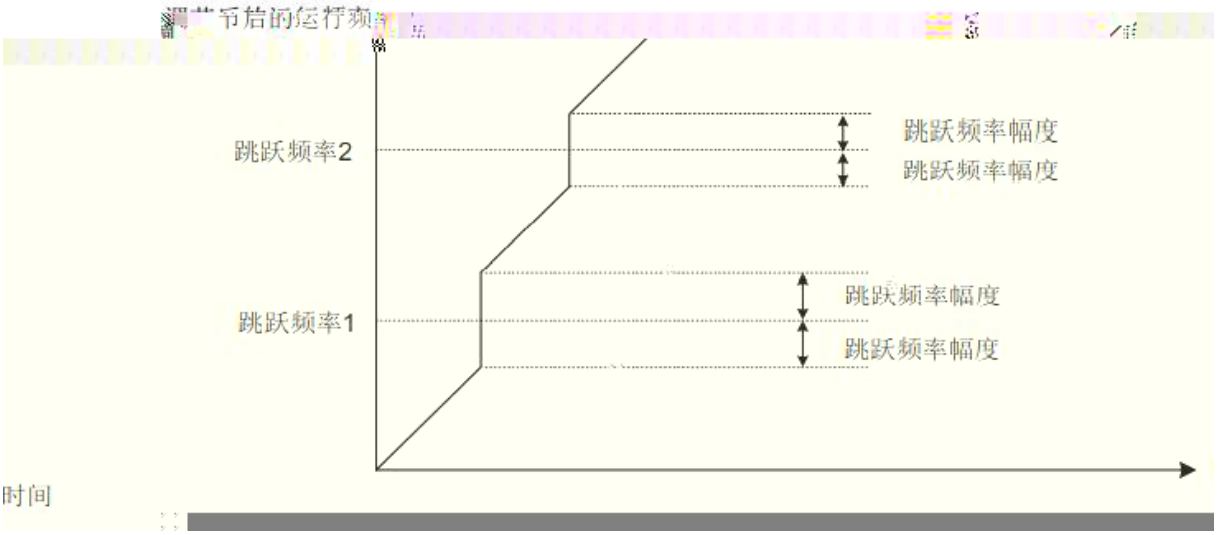
٧ G Й ˘ ĩ ق ˆ ٢

P21.22	٧ ⋮ Ţ ר	₮ ∧ ٧	0
	⁄	0ʹ 1ʹ	

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ч ˇ ضي ⁄ ˇ Ψ

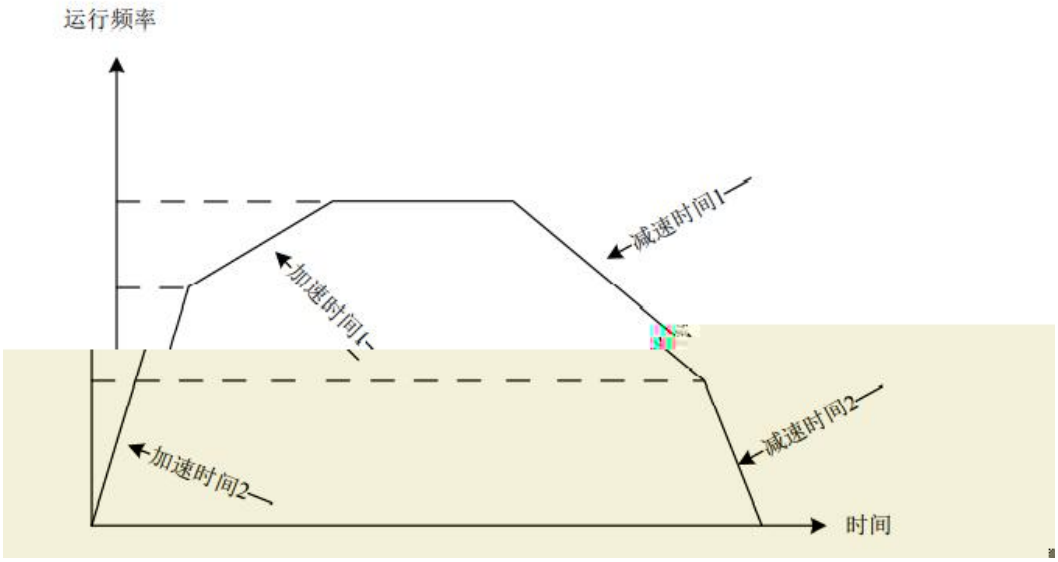
Â Йˌ ⁄ ч ٧ ⋮ Ţ ⁄ Â



P21.25	٧ 1 Ь ٧ 2 Ⓟ	₮ ∧ ٧	0.00Hz
	⁄	0.00Hzˈ	
P21.26	⋮ 1 Ь ⋮ 2 Ⓟ	₮ ∧ ٧	0.00Hz
	⁄	0.00Hzˈ	

W ضي ч 1ˇ ғ DI Ⓟ ٧ ⋮ Â ɢ ضي ĩ

ک Ţˇ Ь DI ⁄ˇ Ь □ ٧ ⋮ Â



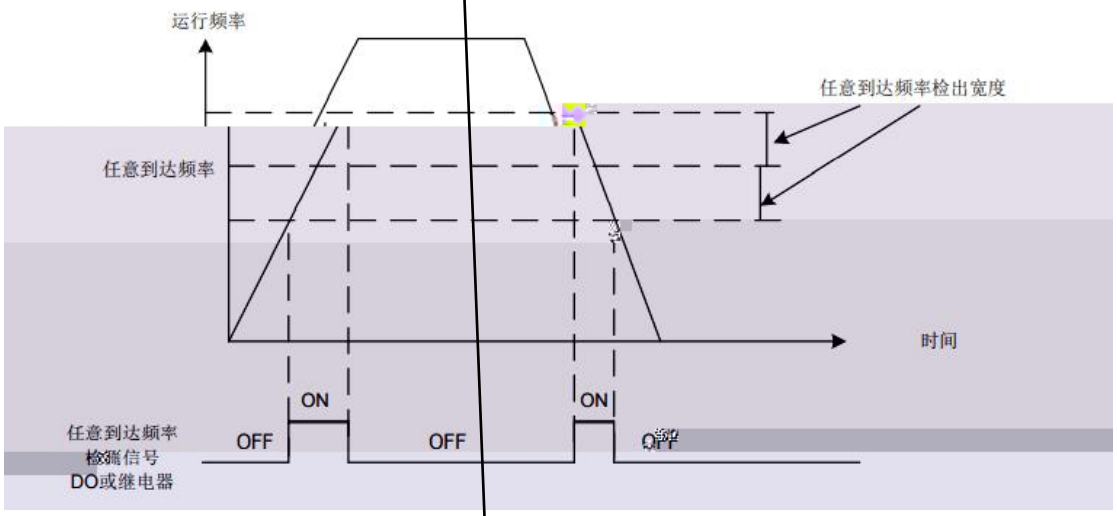
ːː ₹ ч ∀ ⋮ Ⓟ ₹ Â ض ∀ Ţ˘ G P21.25 ↕ ∀ 2’ G P21.25 ↕ ∀ 1 Â

ض ⋮ Ţ˘ G P21.26 ↕ ⋮ 1˘ G P21.26 ↕ ⋮ 2 Â

P21.31	к ⌠ ∓ 1	∓ ∧ ν	0.0%
	₹	0.0% 100.0%	~
P21.32	к ⌠ ν 2	∓ ∧ ν	50.00Hz
	₹	0.00Hz	
P21.33	к ⌠ ∓ 2	∓ ∧ ν	0.0%
	₹	0.0% 100.0%	~

Ї ₹ ˘ ض к ⌠ ν ∓ ₹ ṗ ˘ w DO ∓ ON Ḥ˜ Â

GF630N01 ᴸ Ң к ⌠ ∓ ă ˘ №≠ ν Ї ₹ Â Й ₹ ч w ₹



P21.42	w		₹ ^ ỵ	0
	₰	0		
		1		
P21.43			₹ ^ ỵ	0
	₰	0	P21.44	
		1	AI1	
		2	AI2	
		3	AI3	
			~ 100% P21.44	
P21.44			₹ ^ ỵ	0.0Min
	₰		0.0Min˙ 6500.0Min	



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∀ ﻝ	E100	1 à ˜ ﻝ Ẓ 2 à ∀ Ṭ ﺽ ʒ ˫ 3 à ∀ 4 à ∀ ˩ ﻝ ″Ḥ ɣ ˩	1 à ﻝ ﺥ 2 à ŭ ˫ ʒ ∀ ˩ 3 à ∀ 4 à ∀ ˩ ﻝ ″Ḥ ǐ
⁞ ﻝ	E101	1 à ˜ ﻝ Ẓ 2 à ⁞ Ṭ ﺽ ʒ ˫ 3 à ⁞ 4 à ∀ ˩ ﻝ ″Ḥ ɣ ˩	1 à ﻝ ﺥ 2 à ŭ ˫ ʒ ∀ ˩ 3 à ⁞ 4 à ∀ ˩ ﻝ ″Ḥ ǐ
ﻝ	E102	1 à ˜ ﻝ Ẓ 2 à Ṭ ﺽ ʒ ˫	1 à ﻝ ﺥ 2 à ŭ ˫ ʒ ∀ ˩
ﻝ	E105	1 à Å 2 à ǐ ﺝ ˜ ﻝ ƀ ﺽ ﺥ 3 à ǐ ‖ ƀ 4 à ˫ 5 à ﻝ ƀ 6 à ˩	1 à β 2 à ﻝ ⌡ ﺥ 3 à 4 à 5 à 6 à
ﺝ	E108	1 à ˫ ɣ ƀ 2 à ﺝ ƀ	1 à ˫ 2 à ﺝ
∀	E110	1 à ǐ ﺝ ﻑ ﺟ ﺽ ﺿ 2 à ˩ ч ғ ǎ̈ 3 à ﺽ Ω˫ 4 à ∀ Ṭ ∀ 5 à ǐ ﺝ ﻣ Ẓ 6 à ∀ 7 à ˫ ٦ V/F ƀ̤ 8 à ﻝ Ẓ ٧	1 à ﺥ 2 à ǎ̈ 3 à Ω˫ Å U ˈP Ω˫ 4 à ŭ ∀ 5 à W ǐ ﺝ 6 à ∀ 7 ز

		1 à ǐ ر ⌠ Ь		1 à ж	
		2 à ǐ ر̂ ₣ Ь		2 à ̂	٦
₣	E114				
		3 à ˜		3 à	
		4 à ɯ		4 à	
		1 à ǎ		1 à ǎ	
	E115	2 à ǎ	P07.67 à	2 à	’
		P07.68 Ь		ǎ	
		1 à ǎ		1 à ǎ	
Ẓ	E119	2 à Ẓ ǎ	P07.69 à	2 à	’
		P07.70 Ь		ǎ	
		1 à		1 à ٧	
		2 à		2 à	ᴘ æ
ɯ	E120	3 à ɯ			
		4 à ɯ ɯ			
		5 à ǐ ɯ ɯ			

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9.2

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	ṗ	∞≠ ‰
	1. à 2. à r	1. > 40Ṇ Å ٧ < 95%˜ o 2. ء˘ à r
' ٧	1. 2. Ї ☹ r	1. ˘ 2. r ˘ ل
Ї ☹ r	1. ˉ à ٦ 2. ل 3. à	1. ˉ à ₹ ٥ 2. ل à ء 3. ﻫ ˉ
	1. ˉ à ٦ 2. ل	1. à 2. à Ь ش˜ ل
˜ à ₹ ă	1. ˜ ١ 2. ₹	1. ˜ ١ ض خ ṗ 2. ₹ ض ٧ ٢ Ѝ

9.3

ч ъ Ї ☹ Ṻ ˘ Ḡ ì ˘ ^ ٧ ٢

ṗ˜ Ї ☹ ˘ ṗ Ѝ '

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PCB	à	١ ŋ



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Wuhan Guide Technology Co.,Ltd.