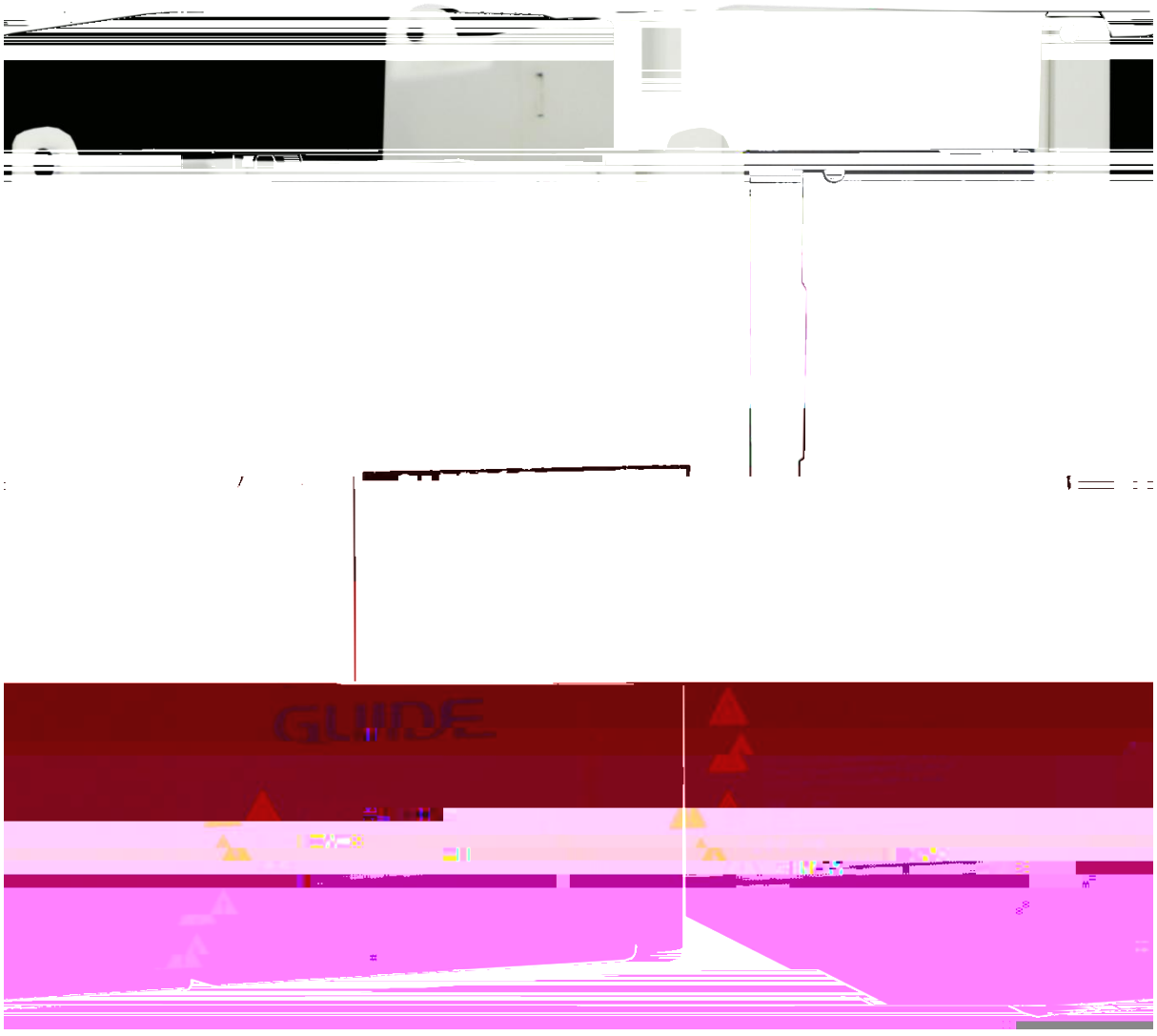




ΐ ϛ ۔ □ ˘ ۔ ὶ ∫ ιч ι ŋ à Ⱶ ۔

ΐ ϛ GF630N01 ↓ Ł ΐ ϛ˘ Ⱨ ɢ ´

ÂGF630N01 ΐ ϛ Ł ˘ ۷ ₹˘ ⁻ ڈ

˘ ʒ Â Modbus485 ˘ ѡ ɣ ˘ ˘ ˆ ɢ Ⴏ

⁻ . ⁻ Â

ч ˜Ḥ№ Ŭ ˚˚ ج ۷ ĭ Ḡ ą ė ŋ˘ ض ą ʜ ╠˘

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ą й ч ˚˚ ج Ŭ ð˘ ą U Ⱶ ۔Ḡ ˘ ɣ ˙ U ΐ ϛ

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ɢ ΐ ϛ ą ض ˘ Ȅ̃ Ⴏضѡ Ⱨ

ۑ˘ Ӟ̃ Ь Ȅ̃ ڤU Ⱶ Ţ ˘ ιι ч Ⱶ Â

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1˜ ضِ à ƀ à ˚˚ ج ˇ ۏ ŋ Ԋ Â

2˜ ч Ḡ ˗ ɇ ŋ˘ ضِ à ƀ ɇ ˚˚ ج ˇ ˚˚ ج ǐ ΄Y Ţ
ŋ Ԋ Â

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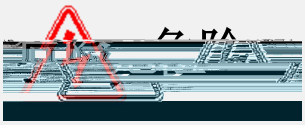
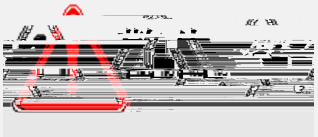
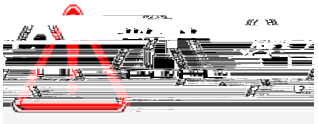
4˜ ˚˚ ج ضِ ... Ӈ ą ˇ Ղ ↕˜ ˇ غِ ˜
Ŭ W Ð ش Ь ضِ˚˚ ج Ḡ ﺡ ҥ ṗ Â

5˜ غِ ƀ˚˚ ج Ŭ ˗ ŋ Ԋ à ˚˚ ˇ ˜ Ь к ѵ к Â

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

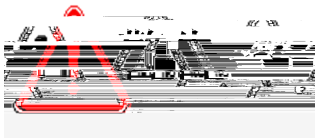
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 ضي Ⅵ № U U ₩ ṗ ڇ˜ ɣ ᴴ Â ˜ ą ΐ ڇ ɨ ƀ˘ U ɲ № ṗ Ꝑ Â ˜ ضي Ѝ Ѝ ΐ ڇ ↿ ˘ ɣ Â à ƀ ʒ ˘ ضي ˜ 10 № ɣ U Â ΍ ڇ ضر ضر ˛ Ь ̈Ꮒ ΐ ڇ ṗ Â
 ΐ ڇ ضي ⁚ Â ↓ ΐ ڇ Ь ɢ ˘ ˘ h ∧ ΐ ڇ Â à ΐ ڇ ˛ Ꮒ ´ ⌡ ΐ ڇ ₣ U à V à Ẉ ⁚ Â ΍ ڇ ضي Ţ˘ ˜ ƀ ʒ Â
 ⊫ ᵒᵒ ڍ ´ ϖ , à à ỉ à ΐ ’ Â ´ ˘ Ꮒ ˛ ᵒᵒ ڍ ڋᵒᵒ ڍ ƀ ˛ à à ᴴ ’ Â U ח ↿˘ ᵒᵒ ڍ ΐ̈ᵒᵒ ڍ ƀ à ϖ ŋ Â
 ΰ ᵒᵒ ڍ ṗ à ƀ ƀ ɯ˘ ˜ ˛ ΰ ᵒᵒ ڍ ΐ̈ᵒᵒ ڍ ƀ ᴴ à à ą ˘ ˜ ˛ ח ↿˘ ΰ ↿ Ь ᵒᵒ ڍ O Ь ˘ ˜ ˛

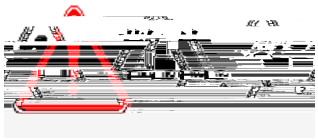
Ũ ь



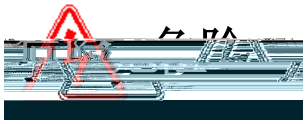
ڃ Ũ ь ð Ũ ь ˘ Ũ à Â
ۊ ضي à ۊ à شي à شي à ˫ شي Ũ ь Â
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ρ Ң ڃ ь ڃ ڒ ڃ ₩ Â



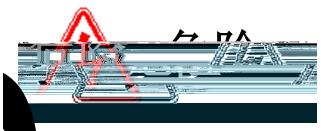
Ⱶ ą Ғ ʒ ۷ ققم ققم ь ڃ ˫
ڃ ˘ Ⱶ ڃ r ˘ ۊ ڃ ð ˘ Ղ ↕ ỉ Ң ۷
ڃ Ⱶ ˘ Ӣ r ˘ ṕ ˘ Ղ ↕ ỉ
Ң ڃ ڜ ۷ ˫
ί ˘ Ӣ ₋ 2 Å Â

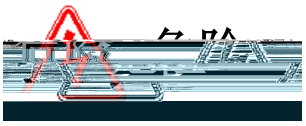


╠ Ⱶ ח ڃ ą й ɨ ŋ Ң ˫
Ң ڃ ˫
Ң ˫ ڃ ð ĭ ″Ң ک ð ھ ɨ ˫
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ɨ ˫ IEC ‰ غ ض
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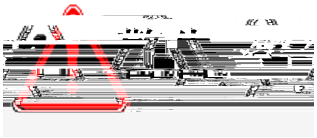


Ң Ғ ʒ ₋ 2 ڃ à à Ḡ ī à ð ˫
ڃ à à à ð ˘ ₇ ỉ ⌠ ˘ ˘
ί ˘Ң№ Ғ ʒ ₋ 2 Â
₋ 2 ڃ ɨ ˘ Â
ضي ĭ ۱ ک ˘ Ḡ ˘ ۊ ڃ ∓
˫ ƀ ˫



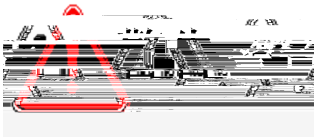


Ht ضي Йį к v ˇ Ղ ↕ ۷ ˛
Ht ضي Йį ۷ ĠՊ ჯ к v Ðˇ Ղ ↕ ۷ ˛
Ht à Ɣ ˇ Ղ ↕ˆ H ˛
Ht Ғ ʒ ˛ 2 ضي Ţ Ḥˆ ˇ Ղ ↕ˆ ˛ H شخ ˛

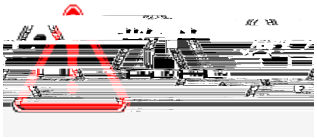


Ţˇ ѽ ì ɾ ჯ r ~ Ţˇ Ղ ↕ شخ ˛
~ ą ᴄ Ł Ω Åˇ Ղ ↕ شخ ˛

Ḡ Ī



ˇ ╟ˇ Ġ ჯ ˇ ᵴˇ ¨Ḥ ˫ Â
ˇ ╟ˇ ˙˙ ˇ ѽ شخ Ŭ ˛
ˇ ᵒᵒ ჯ ˆ Ψ ˫ Ъˇ Â
Uˇ ~ ᵒᵒ ჯ ˇ Ղ ↕ ۷ ˛
Ht ضي Йį к v ˇ Ղ ↕ ۷ ˛
Ht ضي Йį ۷ ĠՊ ჯ к v Ðˇ Ղ ↕ ۷ ˛



½ Ÿ Ӂį I F5ž N

Hu

1˜ Ḡ

ضي Ţ Ψ Ḡ ضر ر ˘ ą Ḡ ˆ RCD˜

ڪ RCM˜˘ ą Í ڈ Ḡ ˆ RCD˜

ڪˆ RCM˜ Â

ضي ₩ ט B مقم Ḡ ڪˆ RCD˜ ˘ ضي Ḡ ڪˆ RCD˜

Ω˘ غ ˆ ₹ غ ضر ˘ Í L

Ғ RCD˘ ▼ φ RCD Â

2˜

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

˘ ą ٦ ا ا Ĭ ا U ˜ ⌡ Ĭ ڪ Â

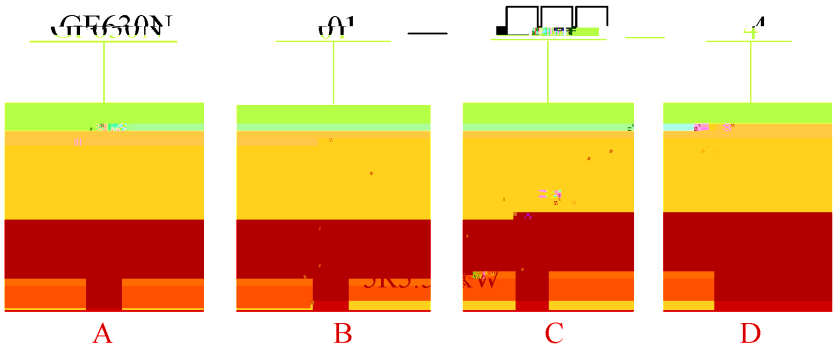
1 ڻ ڄ Ḥ
1 ٱ ۡ ۡ أ ڃ
1.2 Ð
1.3 R1~R2
1.4 ٱ
1.5 ڻ ڄ ⋯
1.6 h
1.7 أ ڃ
1.8 أ
2
2.1
2.2
2.3
2

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
8.2
9 ь Ḡ Ī
9.1 Ḡ Ī ẹ
9.2
9.3
9.4 ɒ
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1 ﾟﾟ ج Ḥ

1.1 ﾞ ﾞ

ﾞ ﾞ ﾞ ﾞ ﾞ

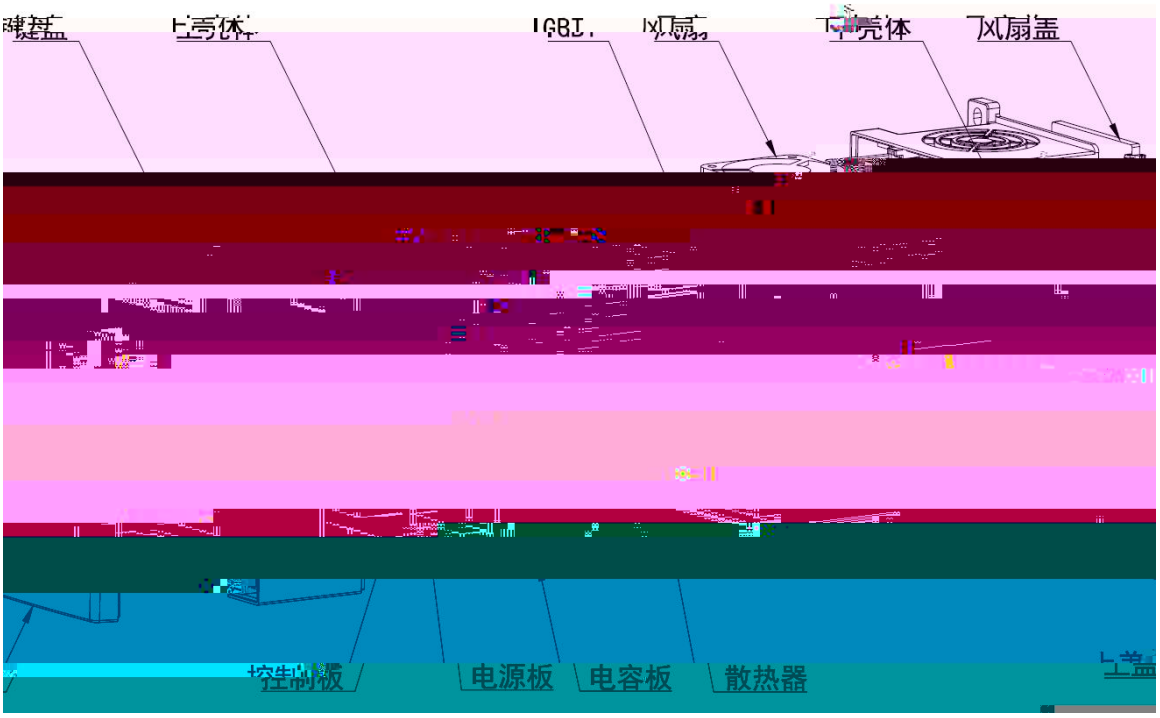


ﾟﾟ ج ﾞ ﾞ

A	ﾟﾟ ج ↓ ﾞ ' GF630N
B	ﾞ ﾞ غ 01' Mini ﾞ ﾞ
C	ﾞ ' 0R4:0.4kW 3R7:3.7kW 5R5:5.5kW
D	ﾞ ﾞ ﾞ ﾞ ﾞ

1.2 Ð

GF630N01 ↓ ÍÍ ج w № ч н ﻓﻬﻢ Й ﻳﺪ '



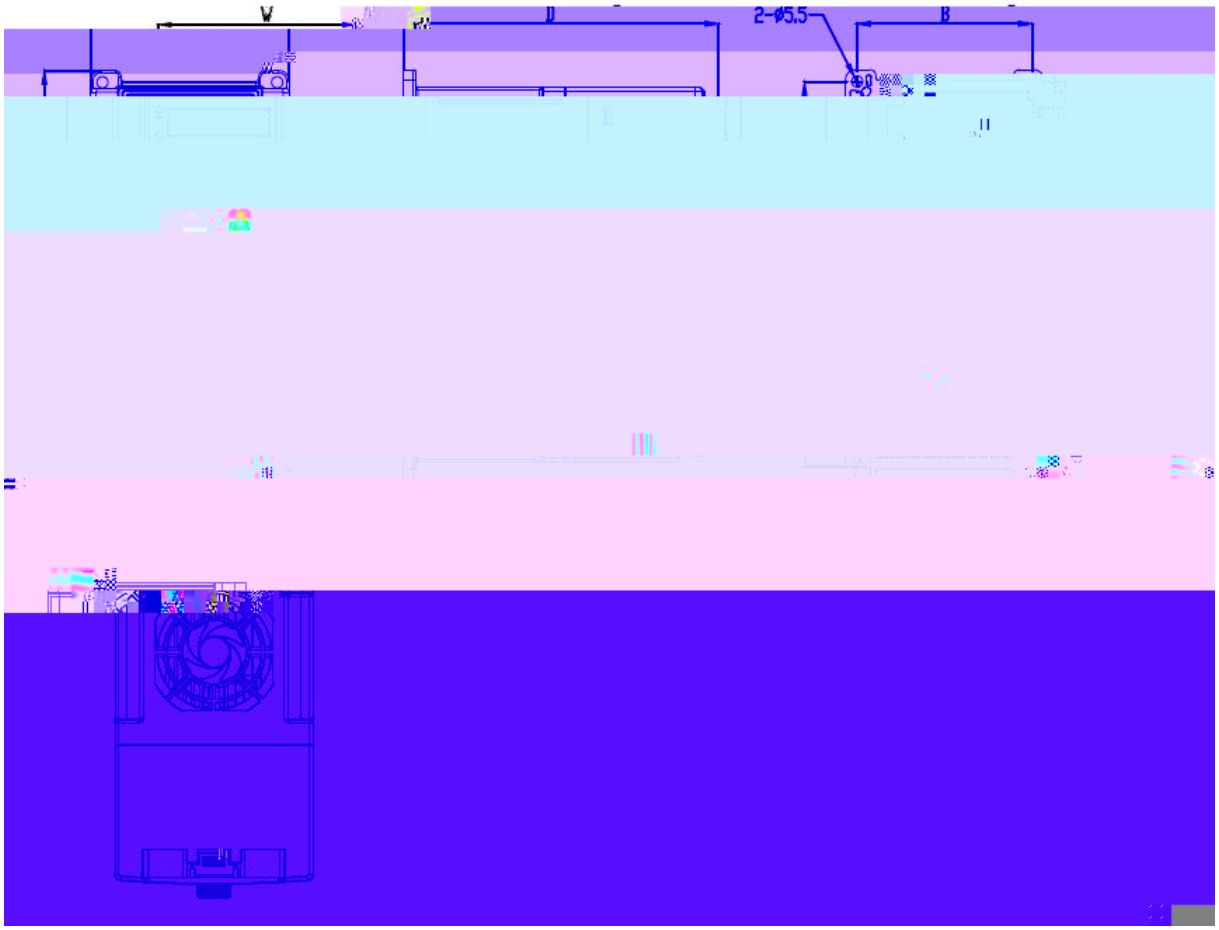
R1˚˚ ج Ð ﻳﺪ 380V˙ 480V˜ 0.4kW˙ 2.2kW˜

R2 380V 480V 3.7kW 5.5kW

1.3 R1~R2



R1 0.4kW 2.2kW



R2 فمم أ يد 3.7kW 5.5kW

ẽ ˫ ẽ w˙

ɐ ⁞ à Ꮋ

˫ ∧ ˫ ˘ ˫ Ḡ ₹ ∧

1.6 h

(1) ɾ ₩ ↺ ˆ ₫ ɜ ˇ ƀ Ḃ ˇ Ь □ ’

(2) Ƶ ˇ ˆ ضِ150% ’ Ѝ Ω ˗ ’

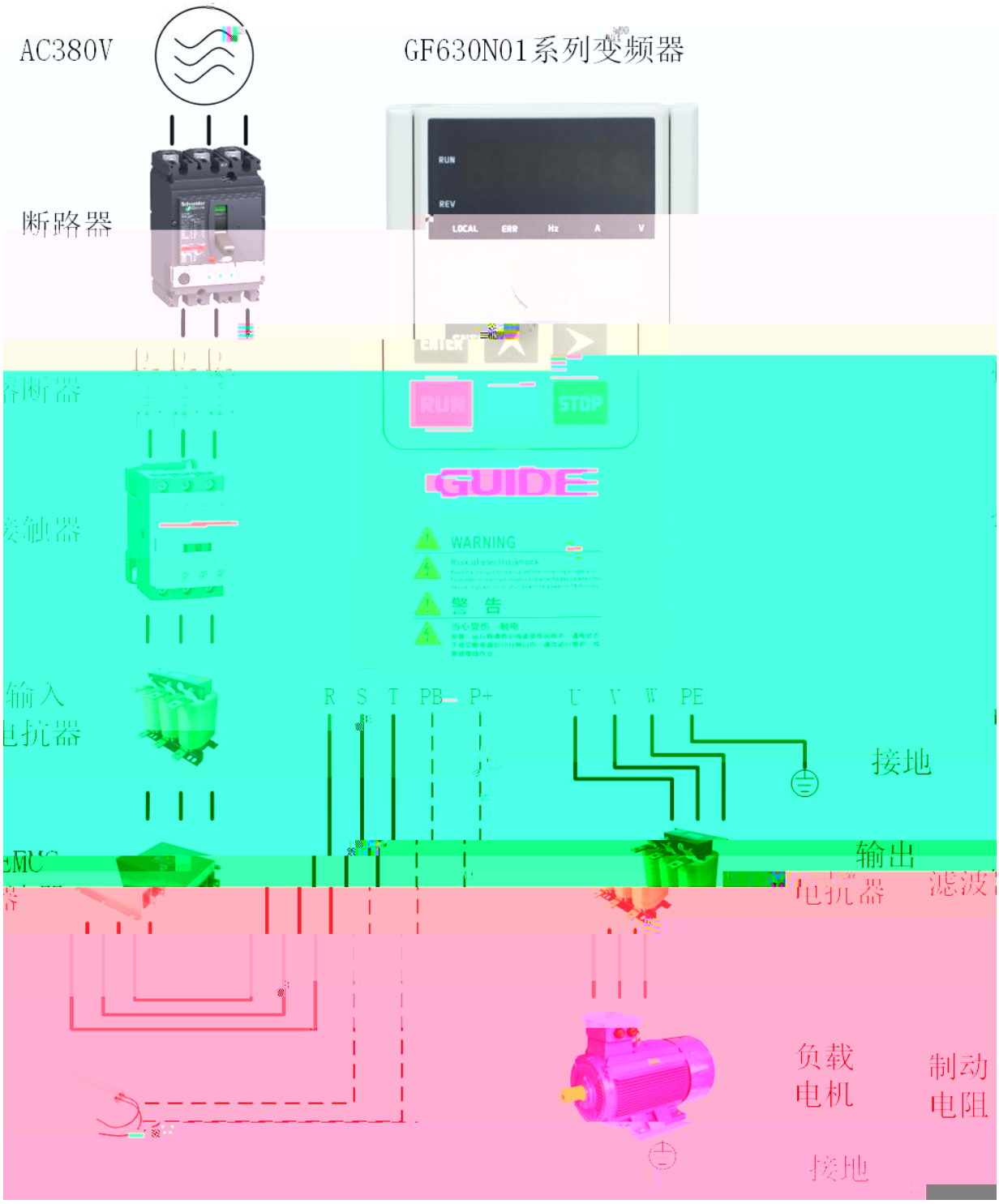
(3) ˫ ˇ ˫ Ƶ ˇ ǐ ˫ Â

1.7 ǐ ج ŏ

ˆ	[kW]	ŏ [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



GF630N01 f ъ "Ң ð ą

2.2

ð O	ß	W
ص	~ ت ط ب ا ص	ص' ض Й, Ⓟ ˘ Ď Hυ
		Ḡ ص' ĭ ص ƀ ˆ Ψ˚˚ ˘ ч Hυ Y ĭ Ď ˘ شض ' ˚˚ Ḡ ص Â
Ḡ K	~ ت ط ب ا ص	غج Ď Hυ ˘ Ḡ U ٧ ر ص ð Â
ص	~ ت ط ب ا ص ص	ĭ ص ƀ˘ ѽ ص ĭ ص ⁘ Й, ƀ (Þ ٧ G ₩) Ω¬ ƀ Â
~ ص	ĭ ص ~ ت	~ ت W غج ' ~ ت ˘ غج ٨ ĭ ì شض' Þ ~ Þ Â
EMC ص	ĭ ص ~ ت	⋮ ĭ ص D ĭ ' ٧ ɾ h ĭ ص D ˘ ĭ ص ẓ Â
L¬	ĭ ص ∓ ت	й ą L¬ ' ض ⋮ L¬ 'P Â
∓ ص	ض أ ص ∓ ت غ ط ˘ ĭ ص	ĭ ص ∓ ت ₩ Ơ Â Þ ĭ ص غج Ţ № Â ì Ţ ˆ غج ض Ţ ˚˚ ˘ ط ' ڏ a) شض ˘ Ψ شض Â b) ˚˚ ˘ ĭ ص Ḡ Â ₩ ĭ ص غ 100㎜ ٧ ∓´ ص Â
dv/dt ص	ض أ ص ∓ ت ĭ ص	ˆ dv/dt ص˜ Y Ḡ غ ⋮ Â
∓	ض أ ص ∓ ت ĭ ص	∓ h ⋮ Â
	ĭ ص ∓ ت	Â

ρ Þ ض ĭ ص ∓ ت ص L ص˜ Ղ ↕ Ψ ĭ ص

غ L ص شض Â

ρ ĭ ص ~ / ∓ (h غج) ´ Ơ №˘ ˆ ĭ ص

Â

˜ ص˜ ą Â

2.3

w	ø^ A~ ä	~ / ₣ ^ mm²~ ^ CEFR ۱ 40%Ա 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% ~ ۱		₣ ø 1% ₣ ۱	
	^ 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 └-

ΐ ϛ	└-			
	ϒ ˆ ß˜	ϒ ˆ ß˜	w ˆ KW˜ ˆ 30% Kc˜	w ˆ KW˜ ˆ 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

' 1à ΐ ϛ ρ └- ϟ"Ή 100 2

3 Ь

3.1 ĭ ڪ à Ũ

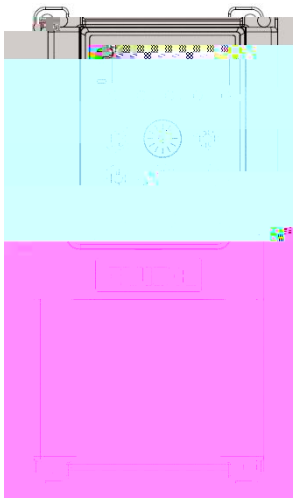
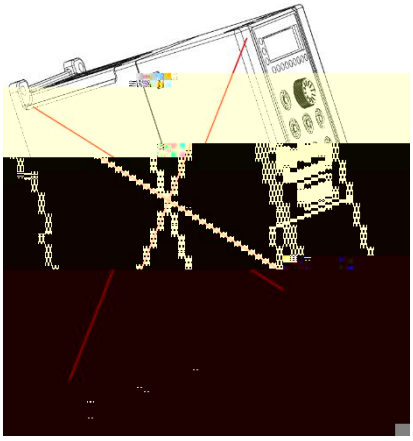
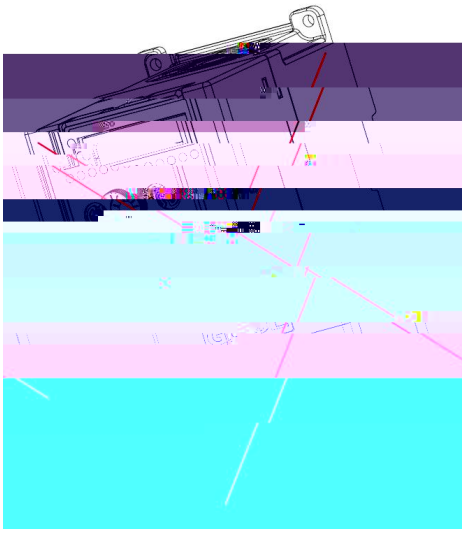
		Ũ	
´	ھ	ضي Ḡ ´ Ţ	٨ ي ‰´
شي	' شي ھھ G ṗ ھط ھ ˘ ₹o 10cm à ˘ ʊ 5cm Â ' ٸ : ч Â ậ ậ ę ~ ˘ ˘ Ь ˘ з ₰ Â	Ũ' شي ' ضي ⌈ à ṗ شي Â ŭ ę Ь 6 ɷ Â	ĭ ' ضي ‰´ Ţ˘ ˜ à à à ĭ Â
	-10 Ņ˙ +40 Ņ˘ 40 Ņ˘ ą ˘ ٶ 1 Ņ˘ 1% Â 50 Ņ h ٨ ₹ Â ٧ G -10 Ņ˘ ₰ ↑ ₰ Â	-20 Ņ˙ +60 Ņ˘ ĭ G 1 Ņ / № Â	-20 Ņ˙ +60 Ņ
٨	70˙ 106 kPa 0.7˙ 1.05 ٨	70˙ 106 kPa 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 $\mathcal{D}_{\rho}$	Ь ¨Ņ	ṿ 100m/s² 11ms	ṿ 100m/s² 11ms
Й	Ь ¨Ņ	250mm˘ <100kg ' 100mm˘ ů 100kg Â	250mm˘ <100kg ' 100mm˘ ů 100kg Â
	G 95%RH˘ o		
	٧ G 1000 ˘ Â 1000 شي ˘ ₰ 100 ٧ 1% ˘ ٧ ٨ ĭ ₹ Â 3000 h ٨ ₹ Â		
	2		
r	ą ضر à à هض à r à r Â Ь ˘ з ₰ Â		

3.2 Ь h

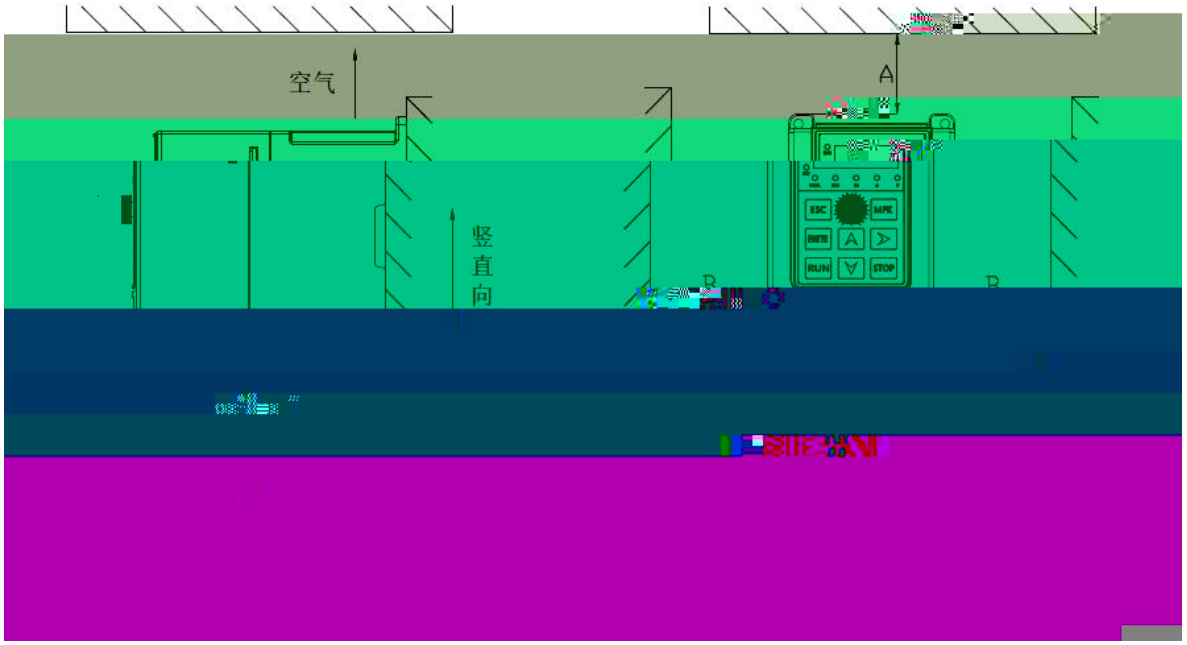
3.2.1 h

ч ↻ ≠ G Ї̈ ﻙ ˘ Ї̈ ﻙ ﻣﻢ ﺽ h Â Й̧ β

Â

3.2.2

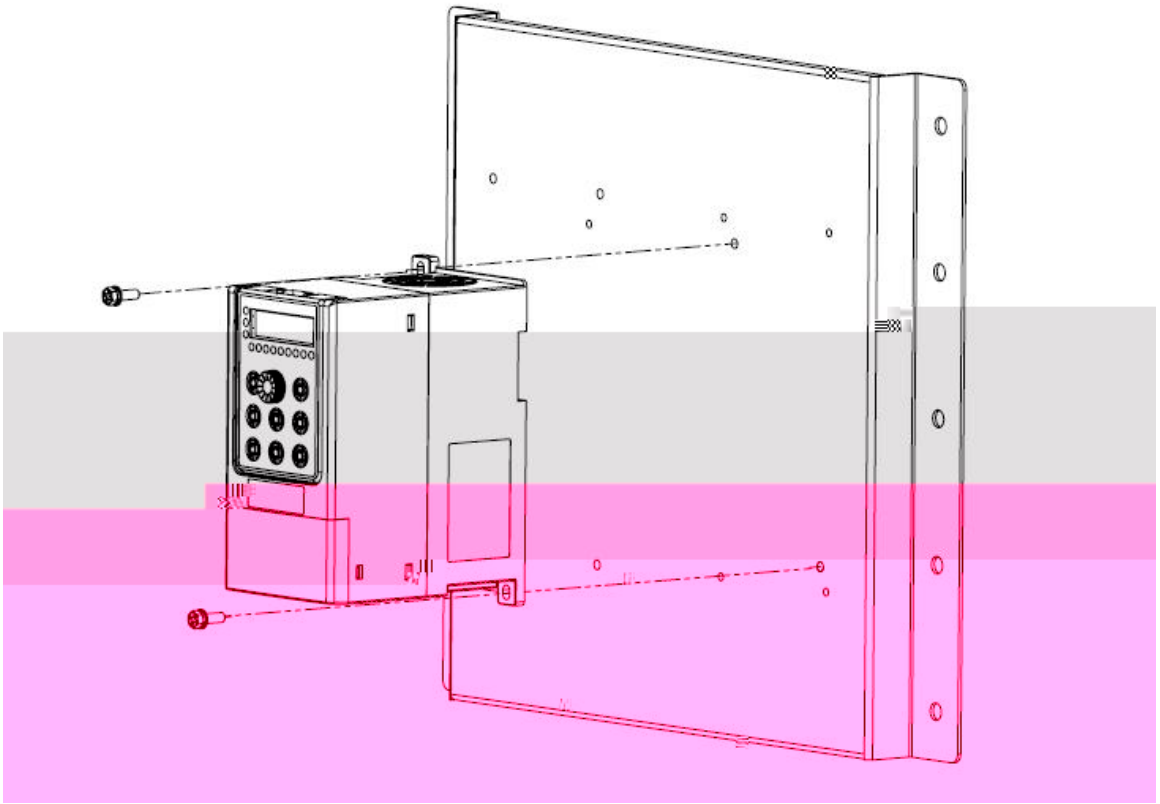


ممم	W	(۱ β ' mm)	
R1	0.4kW˙ 2.2kW	A ů 100	B ů 20
R2	3.7kW˙ 5.5kW	A ů 200	B ů 20

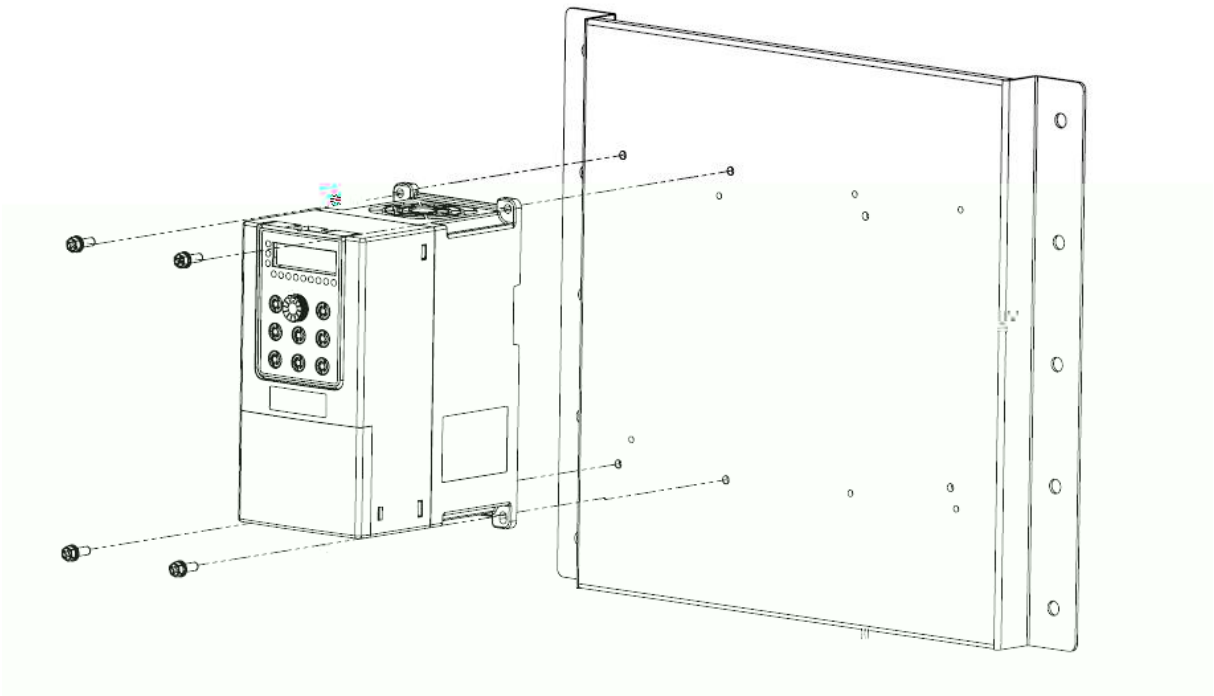
3.2.3

Ь □ W يشي غ غج ˘ ۲ Ѝ ° ° ج Â

ˆ 1˜ R1° ° ج



ˆ 2˜ R2°˚ ₾

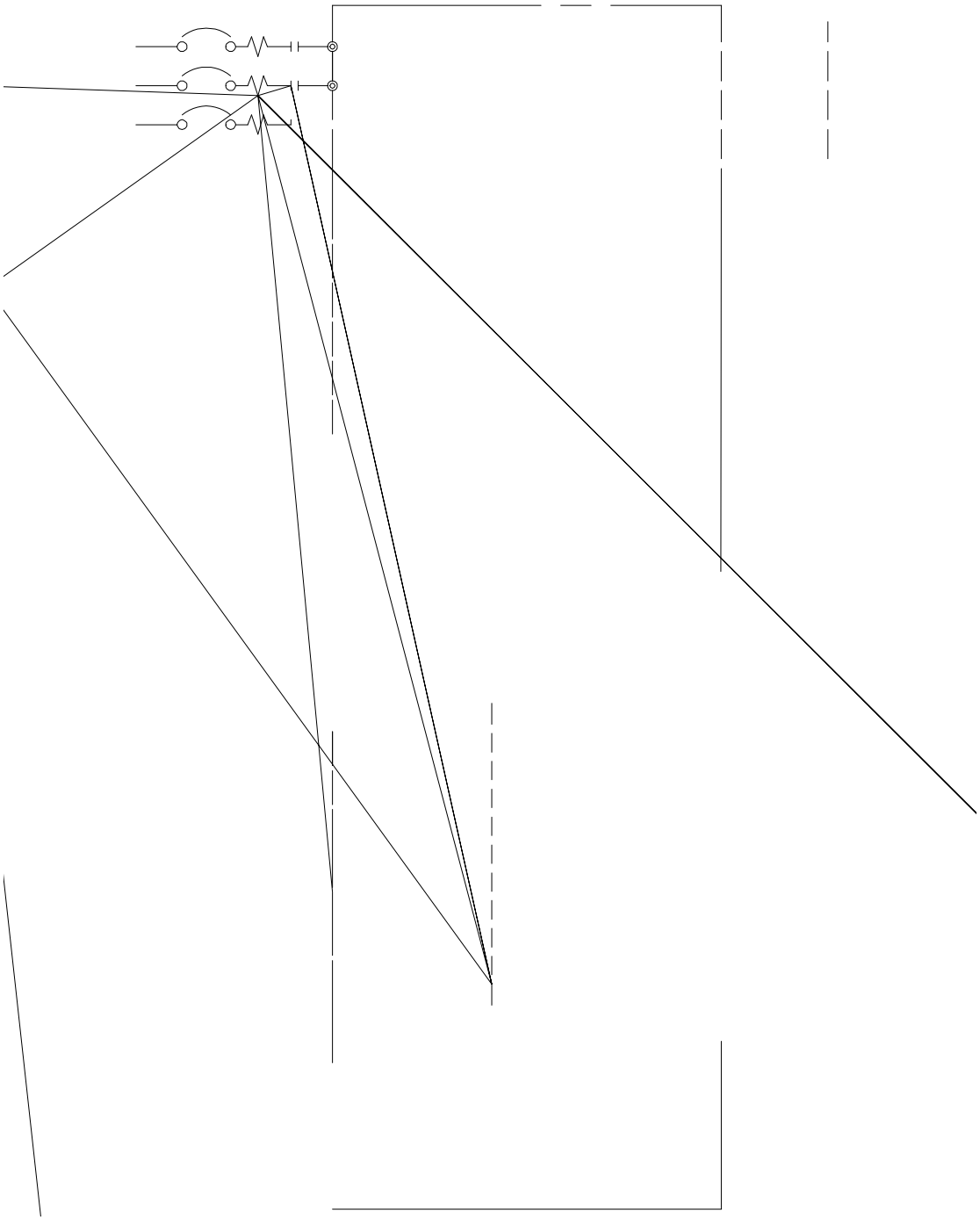


˜	ﷺ	W	ﷺ
1	R1	0.4kW˙ 2.2kW	2-M5
2	R2	3.7kW˙ 5.5kW	4-M5

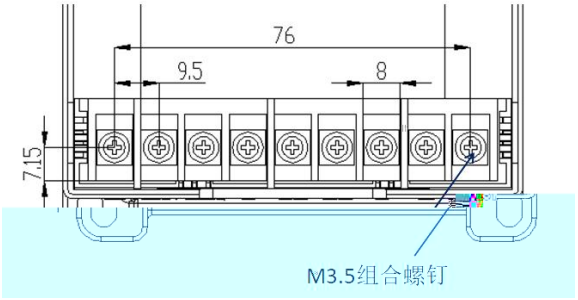
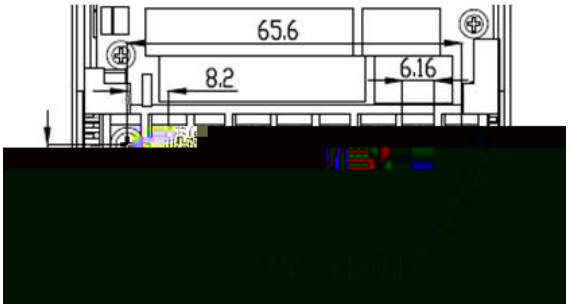
' M5： 20 ¤ 2KGF.CM Â

3.3

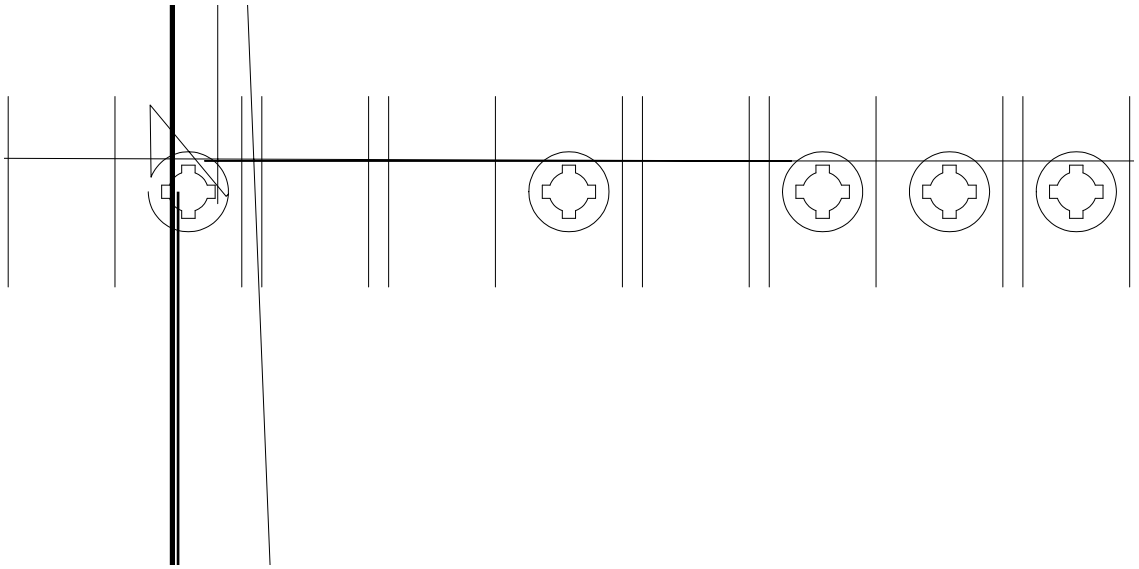
3.3.1 ‰ ₰



3.3.2 h غ

R1 h غ № ي	R2 h غ № ي
	

ˆ 1˜ R1~R2 قمم h Й, ي'



5 Ḡ ǐ ᄀ Ь ᄂ ᄒ Ţ ᄀ ϒ ᷒
ǐ ᄀ Ηυ Â

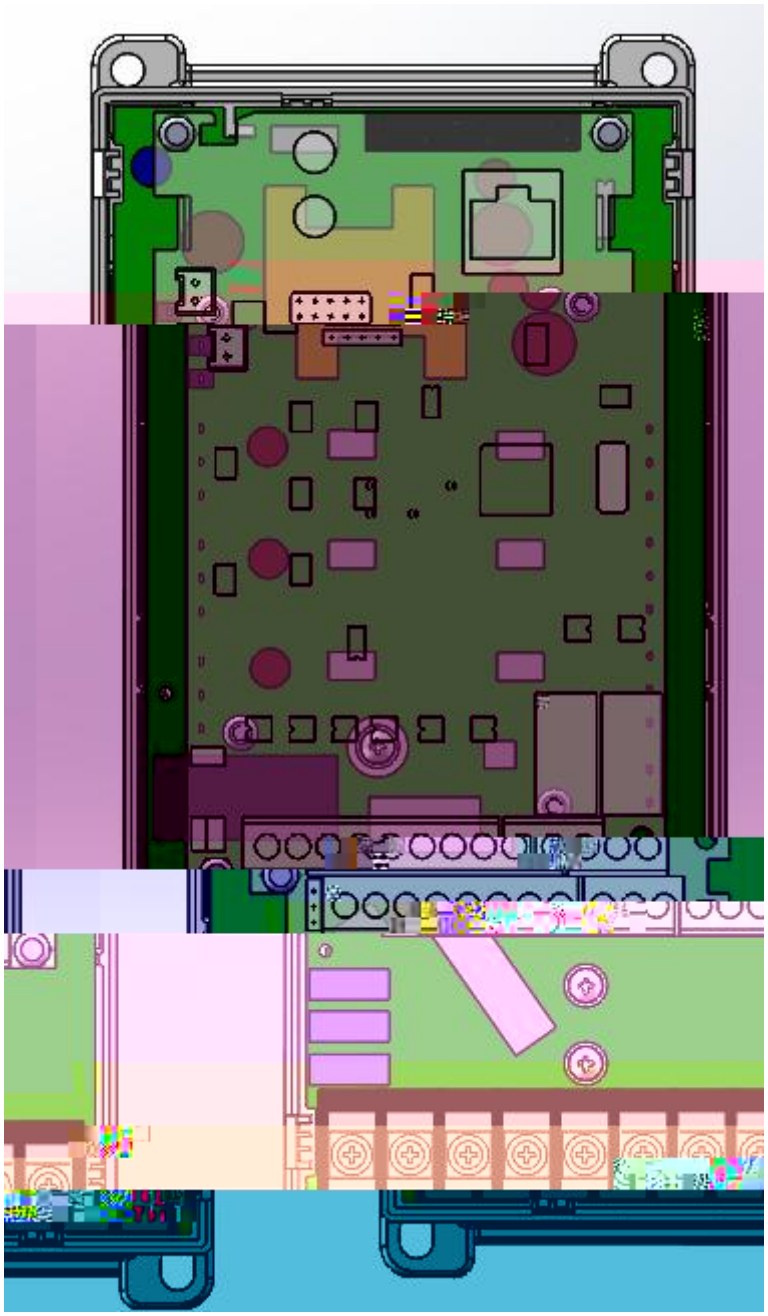
6 ǐ ᄀ Ь ᄒ ᴪ ᄀ ˘ ₩ Ḡ
ᄀ ˉ ƀ ˇ ₇ Ḡ ضِ ǐ ᄀ ₹ ˇ
ᄀ ˉ ƀ Â

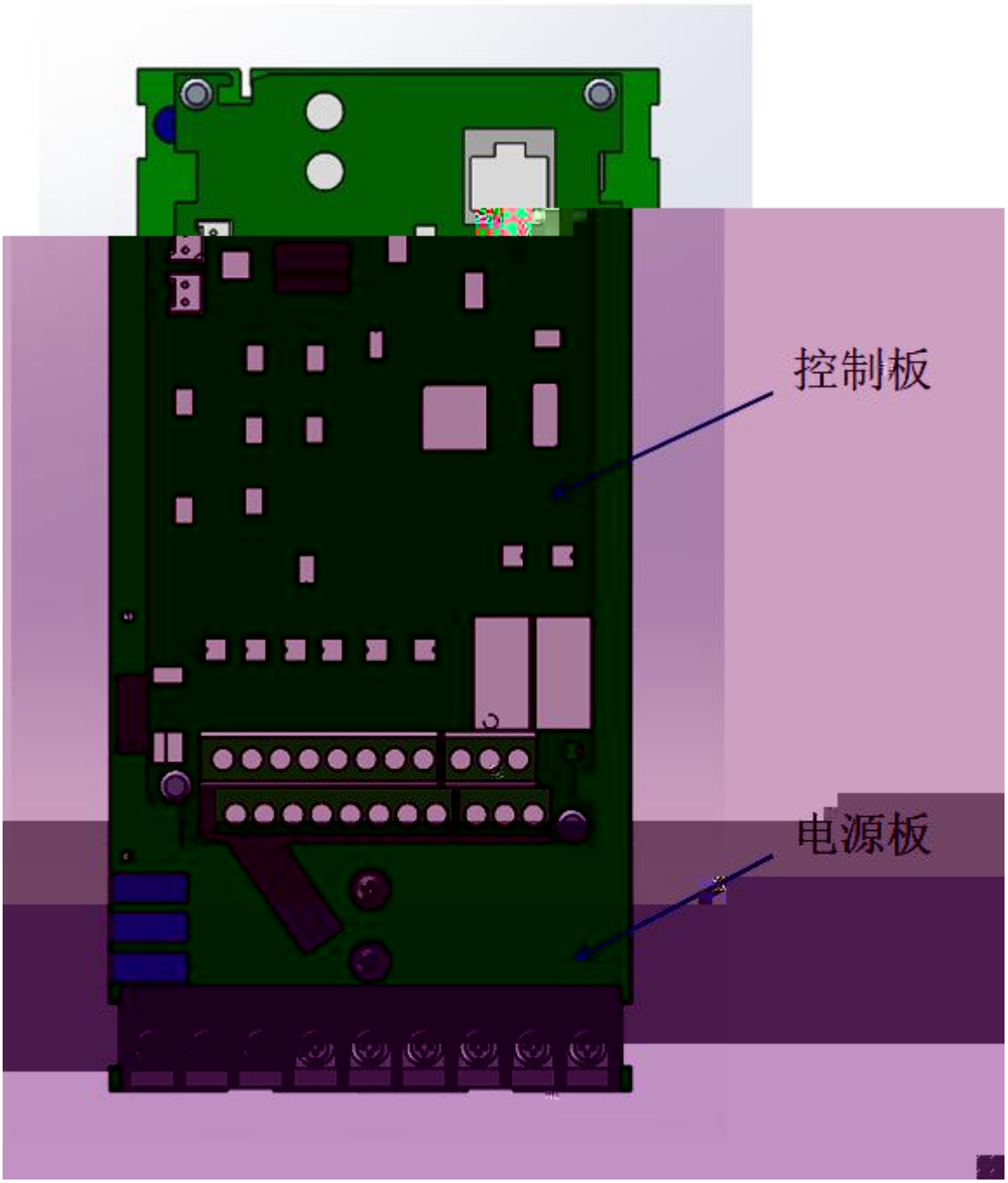
7 [redacted] ᄀ Zᄀ
[redacted]

3.3.4 L

Ї ☭ L ˘ β ЙҸ Â

GF630N01 L β Ҹ

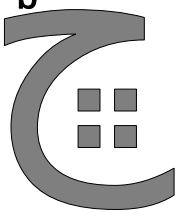



控制板
电源板

≠ f

4 Þ

4.1 Þ



GF630N01 ↓ Ï ୬ LED Þ ă à k ˘ γ Ï ă 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 ˜ ì 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 ↕

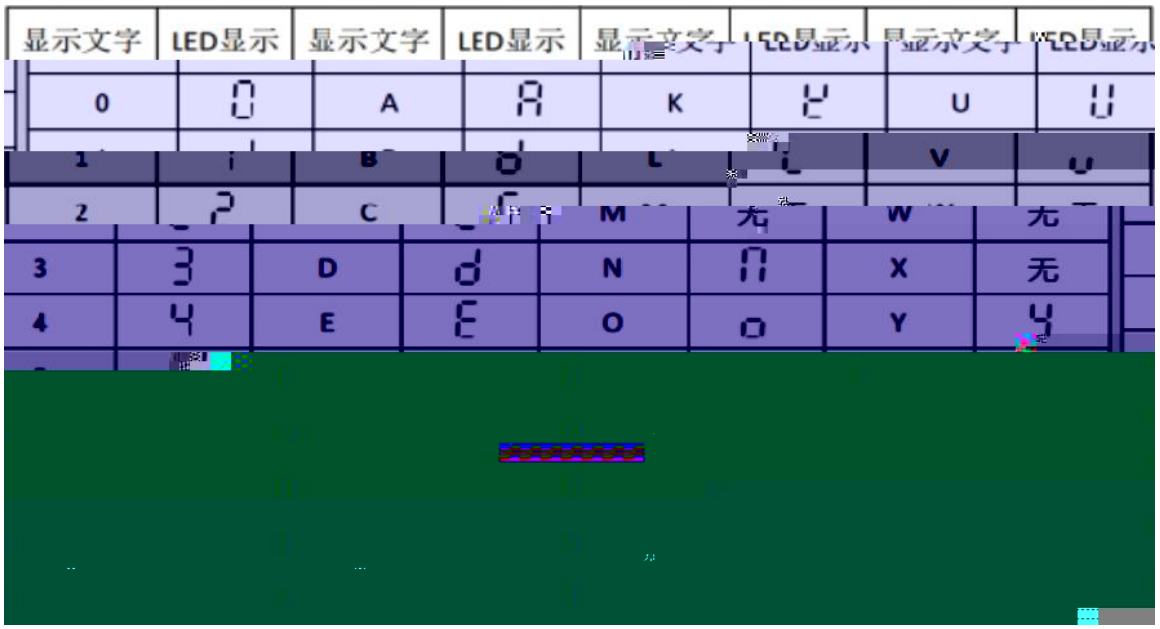
Ĭ V Ŀ ضي ╠ ă ɣ β ч V % ˜ Ɋ ↕

ˆ 2˜ LED ƀ LED

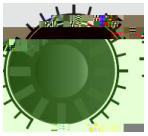
Ɏ

ƀ ⁘ ˜ 5 β LED ˜ ˆ ɣ à ₣ ˜ Ɏ ɣ ĭ

ɳ Â Й, ב Ь LED



ϒ

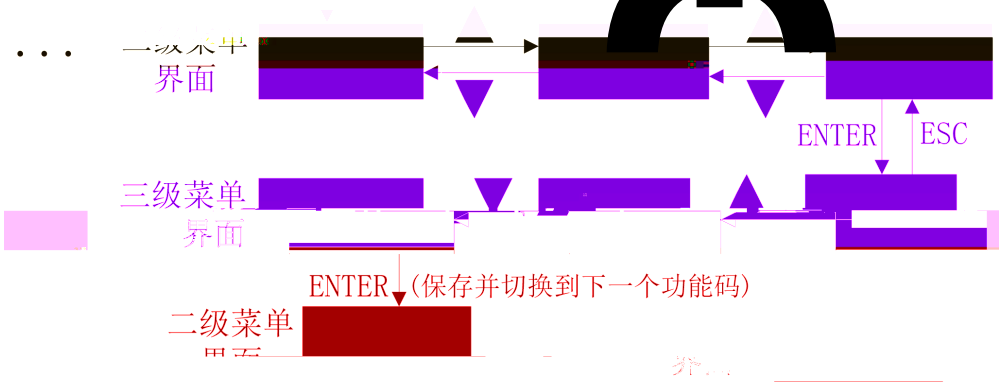
	O	W
ESC	ϒ	ˆ ~ ₣ ₩ ϒ Â ESC ~ ₩ ϒ˘ ₩ ϒ ESC ﻍ Â
		ă Δ . U˘ ˆ ĩ
MFK	W	ˆ ˫ h Ⓟ ˘ ˆ ث ɒ Ⓟ ⌡
	⁛	⁛ ϒ ă +1
	Й	Й ϒ ă -1
	ˇ	ă hˇ ˫ β
ENTER		~ ϒ ˘ ă
RUN		Ω˫
STOP	Å	Å / β

4.2.2 LED ƀ ϒ

ˆ 1˜ ₣

Й˘ LED G W / ˘ Ь

Ⓟ Й ﻉ'


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

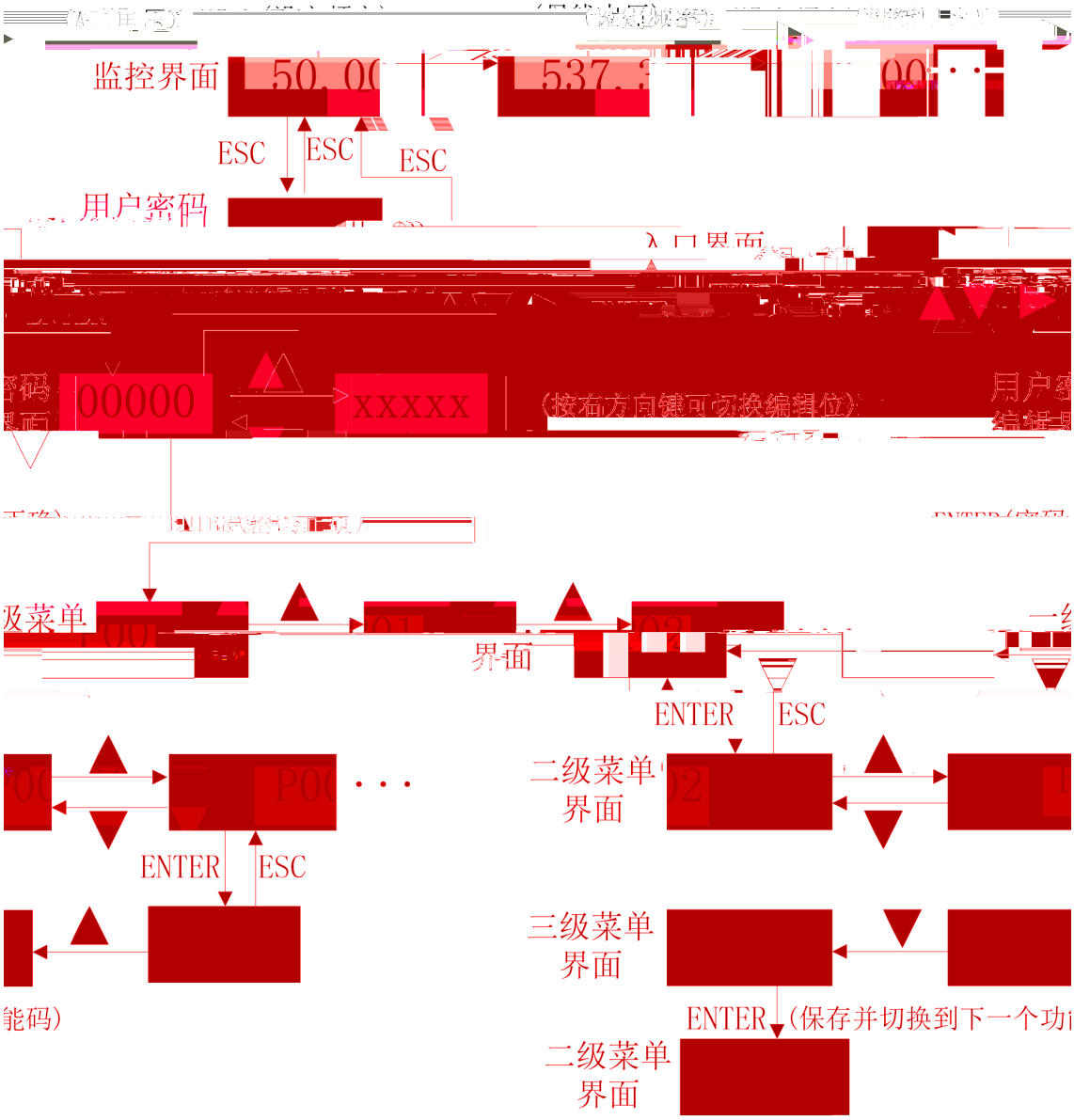
ˆ 2˜ ғ ϶

϶ ˘ ضِ Ϋ ɾ Ⓟ ⌈ w ϖ ϒ

˜ Â ESC ˜ ˜ο ˘ ˜ο ⁝ (ǵ)/

Ϋ (η)/ ˚ ( )/ENTER Ţ κ ϖ ϖ ˜ ˜ ˘ ˜

ENTER U ˉ ˜ ϖ ϒ ˘ ì ɾ ƀ ǐ ⁝ Â

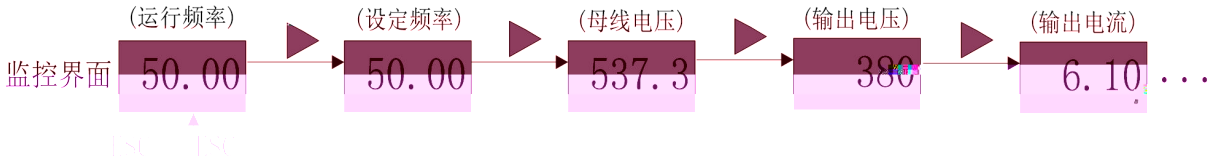


ˆ 3˜

Ӣ˜ LED G W / ˘ Ь

℗ Ь Ӣ з˘ p Ӣ ˝ ӑ ≠ Ь Ь

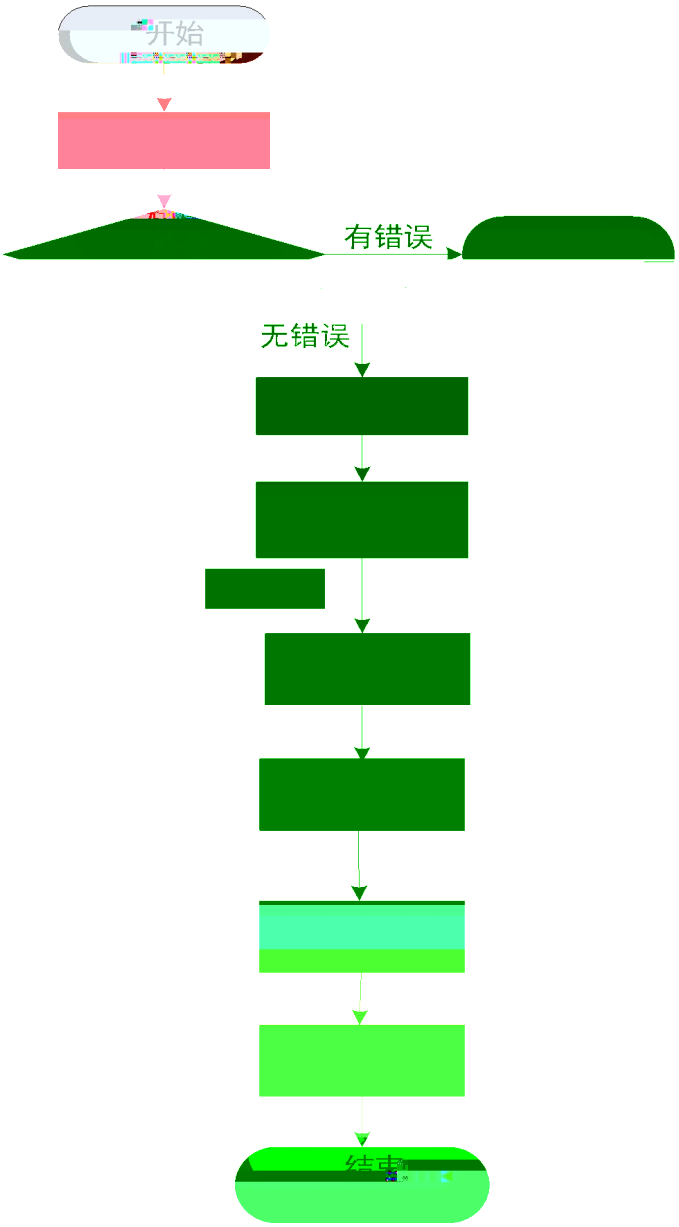
Â Ӣ˜ ˝ ӑ W P02.03 ¿ P02.04 Â



5 Î ¸

5.1 Î ¸

Ý Ñ¸ ²¯ Â



5.4 ắ

V/F Ӆ˘ Ӆ ắ ˘ Â

w O ỵ

P08.10 (Hz) / / Ⅱ /
‰˘ З ѵ /

5.5 ắ ӟ ǐ

ӟ	Ъ	
ӟ	1. └ à ắ ’ 2. P10.53 ч 1˜ ENTER ˘ TUNE˜ ~ ắ ӟ ’ 3. RUN ắ ӟ˘ ӟ Ţ ERR ˘ ӟ U ˉ ج	ӟ G Ь ғ يشي ˘ ӟ^ Ѝ ắ ’ 1. (P10.22); 2. (P10.23); 3. (P10.24); Â
ӟ	1. └ à ắ ’ 2. P10.53 ч 2˜ ENTER ˘ TUNE˜ ~ ắ ӟ ’ 3. RUN ắ ӟ˘ ӟ Ţ ERR ˘ ӟ U ˉ ج	ӟ G Ь ^ ү يشي ˘ ӟ^ Ѝ ắ ’ 1. (P10.22); 2. (P10.23); 3. (P10.24); 4. ε (P10.25); 5. (P10.26);

^ 1˜ ӟ ╠ Hυ

GF630N01 ↓ ǐ ლ ᄂ ắ ӟ w Â‰ ắ ӟ G ắ

Â ч ъ Ḡ └ ˘ ǐ ლ ‰ ˘ w Ь

‰ ˘ ǐ ლ └ Ѝ Â

ӟ ╠ ү Ѝ ضم ¢ Hυ ’

	Ни
Ղ Ь ỉ	Ь ˆ ɣ ˘ ӟ' Ь ˘ ӟ Â
ė Ї ҏ Ղ ≠	w Ь Ї ҏw ˘ ˆ ӟˆ w Ь ɢ Ї ҏw 1/5˜ Â
ă˜ Ղ	P10 ă Ղ Ь ă ₩ ˘ w à ∤ à à Â ˜ ˆ ӟ Â

ˆ 2˜ '

Й, ض Й, Â

╠ ė Ա ڂ ŋ˘ Å ڊ ė ŋ Ղ ˉ

ƀ Â Ղ ˆ Ղ Ї ˉ ˜ ˘ ₰ ė ⋮

Ղ Â

ą ƀ ƀ Й, '

	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 ˘ ↕ ₰ ỵ 50Hz	ƀ ₹ ˘ Ḡ Ь ₹ '
6	U˘ STOP ˘ Å Â	

ˆ 3˜ '

Й, Й, Â

ṗ ŧ

6.1 ă̆ L P0

w	O	ж	₣ ∧ ỵ	
P00.00		0˙ 65535	0	æ
P00.01	ă̆ Δ .	0ƍ ƀ 01' ₣ ∧ ă̆ ˘ Ь´ ă̆ 02' Ḥ	0	Æ
P00.02	w ă̆	ɷ β' P23,P27 0ƍ 0Ь 1' ∨ β' P11,P13,P16,P19,P2 ,P29,P30, 31 0ƍ Ь	1	æ
P00.03	Ḡ			
P00.04	w Ќ	0ƍ ˆ Ќ 1' Ь ˆ Ќ	0	æ

6.2 P2

w	O	₣ ∧ ỵ
P02.00	Ḡ	0ƍ MF.K 1' ƀ Ь ث Ɒ ˆ ث Ɒ ث Ɒ ˜
P02.01	MF.K w	Ⓟ 0 Æ 2' ǐ Ⓟ 3' ⌐ 4' ǐ ⌐ 0ƍ Ö32 ىحن ىحن ىحن ىحن Ù :
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 -Ð000 Ŏ		æ

6.3 ~ P3

w	O		₰	₣ ∧ ɣ
		0		
		1		
P03.00	~ 1	2 ĭ		
		3		
		4	⌟	
		5 ĭ	⌟	
		6	UP	
		7	DOWN	
		8	Å	
		9	β	
		10	Å	
		11		~
		12		

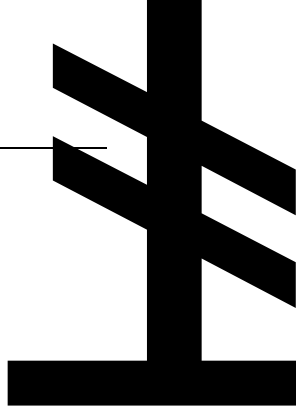
31' Ḡ
32' L⌐
33' ~
34' ḱ ą
35' PIDƀ h ŭ ĭ
36' Å Ḥ̂ 1
37' Ω⌐ Ⓟ 2
38' PID № Å
39' h X Ь Ⓟ
40' Y Ь Ⓟ
41' 1
42' 2
43' PIDă̆ Ⓟ
44' Ꮋ 1
45' Ꮋ 2
46' L/ L

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' ʟ Ţ 14' ʟ Ţ 15' ‰ 16' AI1 g AI2	2	æ



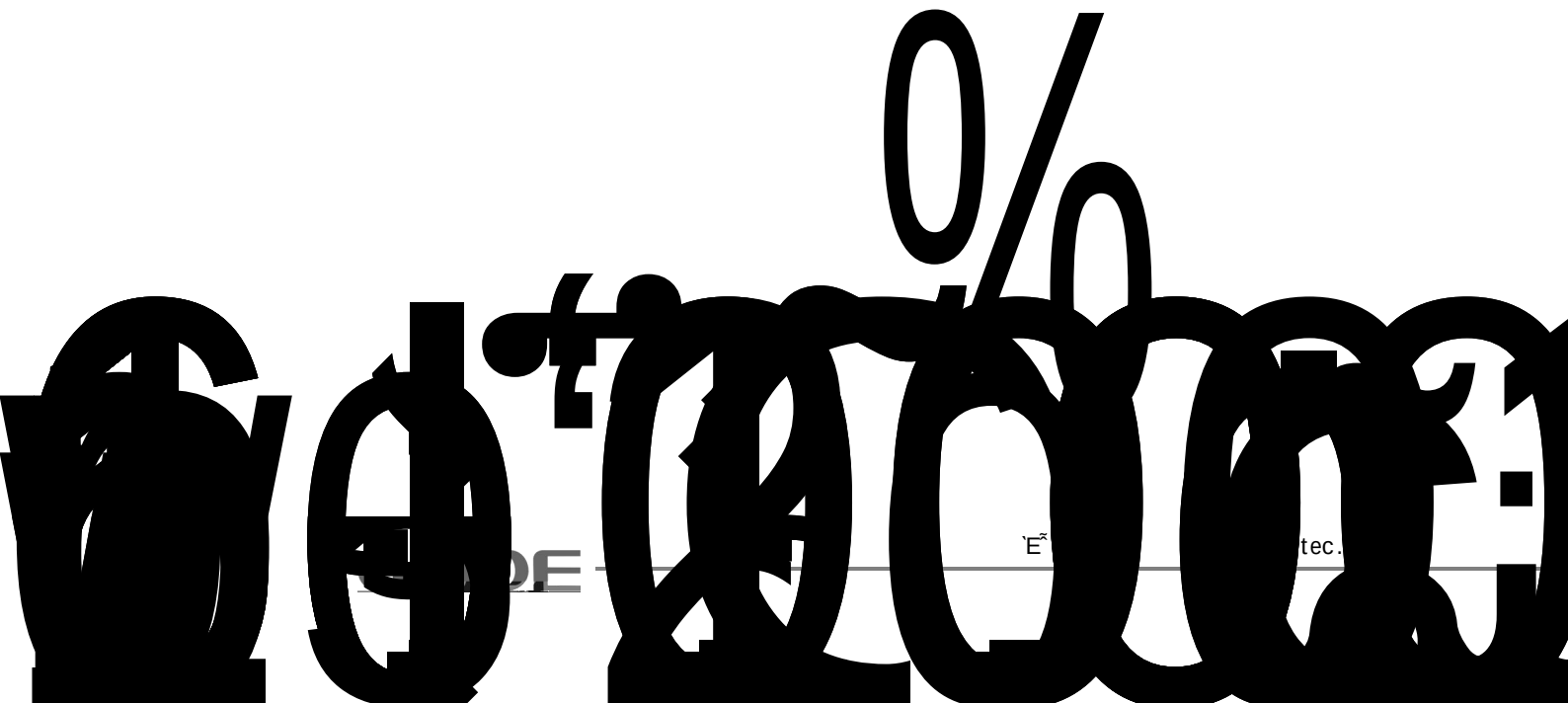


17' ⌠ ⁝⁚⁝
18' ⌠ Й ^ ˜ ~
19' ⁄
20'
21' ^ Ḡ ~
22' ^ Ḡ ~
23' Ţ 2 Å Ä ₹~
24' ⁝⁚⁝ ⌠
25' FDT2 ₹
26' 1 ⌠ ₹
27' 2 ⌠ ₹
28' 1 ⌠ ₹
29' 2 ⌠ ₹
30' ⌠ ₹
31' AI1 ~ ṿ ﻣﺦ
32'
33' ĩ h
34'
35' ﺷﺠ ⌠
36' ₹ └ ṿ
37' ₹ Й ^ Å '₹

ʃ

P5.21 Al ʏ G ~ ỵ

ɷ 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	₹ ∧ ɣ
P07.00	Ḡ	0ʹ	

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′ ٧ ٨ 101′ ⁞ ٨ 102′ ٨	.	á̋
P07.16	⁞ ^ W̄ ~ ق	105′ ٨ 108′ ર 110′ ٧ 111′ ǐ ર 112′ ض 113′ ~ 114′ ∓ 115′ 118′ ર /PG ٧ 119: Ẓ 120′ شج 170′ 202′	.	á̋

P07.17	,,, ^ ₩ ~	.	.	á
P07.18	,,, ^ ₩ ~	.	.	á
P07.19	,,, ^ ₩ ~ ۱	.	.	á
P07.20	,,, ^ ₩ ~ ~	.	.	á
P07.21	,,, ^ ₩ ~ ₹	.	.	á
P07.22	,,, ^ ₩ ~ ǐ ᶎ	.	.	á
P07.23	,,, ^ ₩ ~ ,,,	.	.	á
P07.24	,,, ^ ₩ ~	.	.	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 ǐ ᶎ	.	.	á
P07.33	ʜ ,,,	.	.	á
P07.34	ʜ	.	.	á
P07.35	Ḡ	.	.	á
P07.36	Ḡ			
P07.37	₩	.	.	á
P07.38	₩	.	.	á
P07.39	₩	.	.	á

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

(,

			ƍ β' Ɥ 1ˆ 27˜ 0' Å 1' Å Å 2'			
			Ɯ β' Ɥ 2ˆ 28˜ 0' Å 1' Å Å 2'			
			β' ⁘ ⌡ ˆ 29˜ 0' Å			
P07.49	Ḡ ¬ ƀ	3	1' Å Å 2'		0	æ
			Ɯ β' ˆ 30˜ 0' Å 1' ⁞ Å 2' ⁞ ⌡ 7% ˘ Ь ¬ ⌡			
			' β' PID ǐ ĸ ˆ 31˜ 0' Å 1' Å Å 2'			
			ƍ β' Ƶ ˆ 119˜ 0' Å			
P07.50	Ḡ ¬ ƀ	4	1' Å Å 2'		0	æ
			Ɯ 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 ¬ ƀ	0' 1' ⁞ 2' ⁞ Å	0	æ
P07.60	Å¬ ƀ Å ∞	80.0% ˙ 100.0%	90.00%	æ
P07.61	Å ﾉ ﾇ ∞	0.00s˙ 100.00s	0.50s	æ
P07.62	Å ¬ ƀ ∞	60.0%˙ 100.0%ˆ ‰ ﾉ˜	80.00%	æ
P07.63	Ḡ	0' 1'	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	0' D ﻍ L^ SVC˜ 1' Ḡ 2' V/F L	2	Æ
P08.02	Ω¬	0' ƀ ث ɒ ˆ LED ˜ 1' ث ɒ ˆ LED ˜ 2' ث ɒ ˆ LED ˜	0	æ
P08.03	h X	0' ˆ P08.08ˇ UP/DOWNˆ ḱ ˘ Ь ˜ 1' ˆ P08.08ˇ 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	ممم	æ
P08.16		0' Ղ 1'	1	æ
P08.17	ѵ 1	0.00s˙ 6500.0s	ممم	æ
P08.18	⁞ 1	0.00s˙ 6500.0s	ممم	æ
P08.19	ѵ ⁞ Ò	0' 1 1' 0.1 2' 0.01	1	Æ
P08.20	Ḡ			
P08.21	Ŋ ѵ 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	ѵ ⁞ ‰	0' ˆ 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 ǁ ^ 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' ɾ ȹ H (,

P08.29

6.9 ĩ̈ P9

w	O			₃ₒ	ỵ
P09.00	3	⸎	0' G Ţ 1' 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	⁝ ⁝	⁝ ⁝	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		0' ⸗ Å 1' ⸗ Ḡ ỵ 2' ₩		

˘ `E˜

P09.59	PLC 15 ¥ ⋮	0˙ 3	0	æ
P09.60	PLC ↓ β	0' s^ ~ 1' h^ ~	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^ ḱ	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%	₀₀₀	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˙	

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 ⁘ ^ ⌟ ~	0' P12.10 1' AI1 2' AI2 3' AI3( ) 4' PULSE Ⅱ 5' 6' MIN(AI1,AI2) 7' MAX(AI1,AI2) 1-7 ˘ P12.10	0	æ
P12.10	L Й ⁘ ^ ⌟ ~	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 ˇ 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	0ʻ D ₹ L^ SVC˜ 1ʻ Ḡ 2ʻ V/F L	0	Æ
P13.24	2 ѵ ⋮	0ʻ Ь 1 □ 1ʻ ѵ ⋮ 1 2ʻ ѵ ⋮ 2 3ʻ ѵ ⋮ 3 4ʻ ѵ ⋮ 4	0	æ
P13.25	^1	0.0%ʻ ^ ⌐ ^1˜ 0.1%˙ 30.0%	ѧ	æ
P13`.26	Ḡ			
P13.27	L	0˙ 100	ѧ	æ

6.14 ă P14

w O ɔ GE ^1 2ѵ ˜ı

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 ĩ ȣ β VDO1 Ⅵ β VDO2 β VDO3 Ⅳ β VDO4 ’ β VDO5	0	æ

6.17 P19

w	O	₂ₒ	₹ Ⅵ 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	₂	₣ʌ ỵ	
P20.00	/ L	0' L 1' L	0	Æ
P20.01	L Ӣ	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 Ӣ	-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 ѵ	0.00s˙ 650.00s	0.00s	æ
P20.08	L ⁞	0.00s˙ 650.00s	0.00s	æ

6.19 L ă̆ P21

w	O	₂	₣ʌ ỵ	
P21.00	⌟	0.00Hz˙	2.00Hz	æ
P21.01	⌟ ѵ	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	ˆ		

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 يجي 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 № ₰	1V	7027H	
P23.40	VF № ₹ ₰	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 ₹	1	703DH	
P23.62	╟	1	703EH	
P23.63	ŭ ẏ	0.01%	703FH	
P23.64	ɾ ɷ	1	7040H	

6.21 3 ă P28

w	O	₂₀	₹ ₰ ẏ	
P28.00	₣₣	0ʻ 1ʻ ǐ 2ʻ Ḡ	0	Æ
P28.01	w	0.1kW˙ 6553.5kW	₣₣	Æ
P28.02	₰	1V˙ 2000V	₣₣	Æ
P28.03		0.01A˙ 655.35Aˆ ǐ ₹w <=55kW˜ 0.1A˙ 6553.5Aˆ ǐ ₹w >55kW˜	₣₣	Æ

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

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

6.23 3 L P30

w	O			₹ ∧ ỵ	
P30.00	ɒ	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	ɒ	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			
P31.09		4' PULSE 5' 6' MIN(AI1,AI2) 7' MAX(AI1,AI2) 8-7	P31.10	0	æ
P31.10		0.0% 200.0%		150.00%	æ
P31.11	Ḡ				
P31.12	Ḡ				
P31.13	:	0 60000		2000	æ
P31.14	:	0 60000		1300	æ
P31.15		0 60000		2000	æ
P31.16		0 60000		1300	æ
P31.17		0' 1'		0	æ
P31.18	Ḡ				
P31.19	Ḡ				
P31.20		1% 300%		50%	æ
P31.21		10% 500%		100%	æ
P31.22		2 10		2	æ
P31.23	4	0' 1' Ḡ 2' V/F	SVC	0	Æ
P31.24	4				

P31.25	˥	0.0% ˆ ˫ ˥˜ 0.1% 30.0%	ƒƒƒ	æ
P31.26	Ḡ			
P31.27	L	0 100	ƒƒƒ	æ

7 ă w

7.1 ă L P0

P00.00		₹ ∧ ų	0
	₂₀	0˙ 65535	

P00.00 к ₩ ₡ ˘ ↕ Ḡ w Â Й ~ ∧ ˘

~ ˘ Ղ ↕ Ь ė ќ w ă ˘ Â

P00.00 ч 00000 ↕ ˘ ą Ḡ w Â

ă Δ . ₹ ∧ ų 0

0 ƀ

P00.01

₂₀ 1 ₹ ∧ ă ˘ Ь´ ă

2

MF.K Ⓟ ɒ h Â w ٧ ضي ٧ ɒ ɥ ƀ ɒ ث Â

3' ـ

MF.K FJOG˜ Â

4' ـ

MF.K ـ ^ RJOG˜ Â



LED ă ¸ ų 0

7 0

PLC

PULSE ~ ‖

z)

P02.04 0000 IC

FFFF

Ŧ ʎ ẏ 1.0000

P02.06

مخ 0-.00خه

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

ĩ شجـIGBT Â

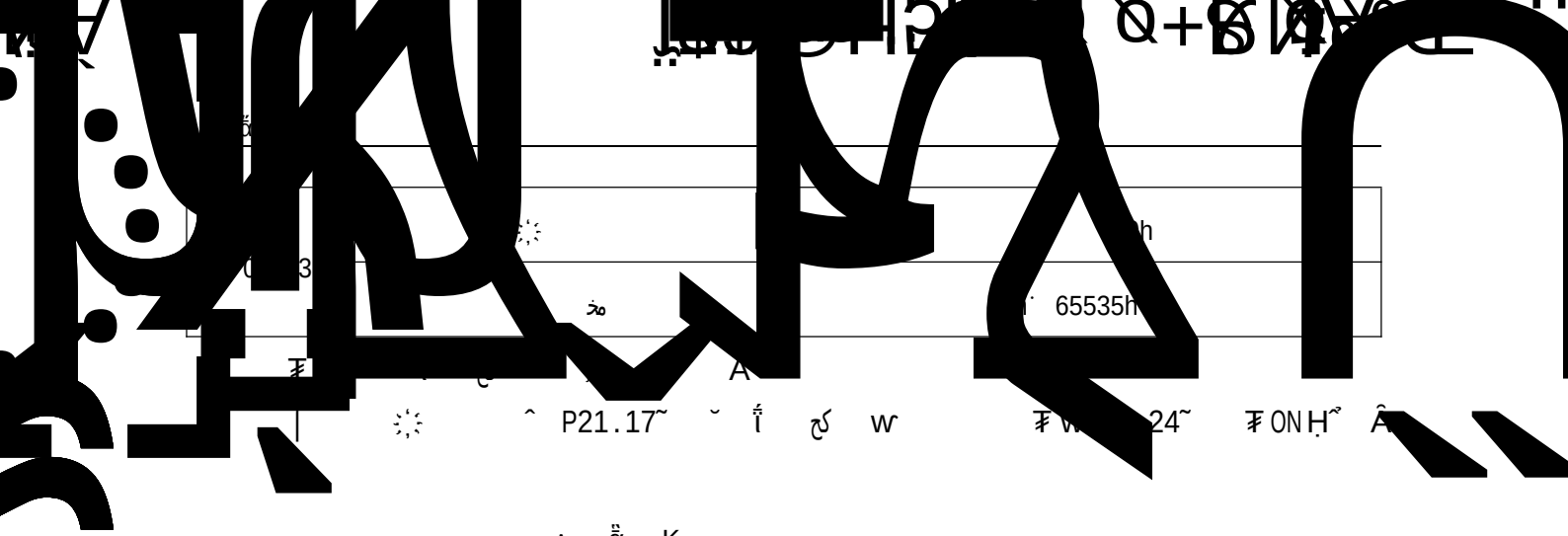
Ь □ قمم ĩ شجـIGBT Ḡ ų Ь □ Â

P02.09		₹ ∧ ų	0h
	مخ	0h˙ 65535h	

ĩ كح Â ⌠ P21.17Ư ĩ كح w

₹w ^ 12˜ ₹ONḢ˚ Â

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



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

ข ⋮ w

2	1	ข ⋮	ă
OFF	OFF	ข 1	P08.17 à P08.18
OFF	ON	ข 2	P21.03 à P21.04
ON	OFF	ข 3	P21.05 à P21.06
ON	ON	ข 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
	ﺥ	0.000s˙ 1.000s	

DI Đ Â ą ~ Ỉ ˫ ƀ˘ ˆ

ă ˘ ɣ ↕ ʐ Â ᵖ Ψ DI ڒ Ǐ Â

˘ ˋĒ ˜

ث ɒ

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 Ѝ'

ỵ

1 ˆ FWD˜

	DI1	₣ ∧ ẏ	0.0s
P03.13			
	₥	0.0s˙ 3600.0s	
	DI2	₣ ∧ ẏ	0.0s
P03.14			
	₥	0.0s˙ 3600.0s	
	DI3	₣ ∧ ẏ	0.0s
P03.15			
	₥	0.0s˙ 3600.0s	

P04.01	FMRw ^ ₣ ~	₣ ∧ ỵ	0
P04.02	ლ2 ₣w	₣ ∧ ỵ	
P04.03	Ḡ	₣ ∧ ỵ	0
P04.04	ლ1 ₣w	₣ ∧ ỵ	1
P04.05	Ḡ	₣ ∧ ỵ	4

5ɷw ˘ G 5ɷ ₣ w Â
w ₣ w ЙĮ'

ỵ w

0 ₣ ₣ K v w

1 Ĩ ლ Ţ Ĩ ლ G ˘ ₣ ^ ˜ Ɣ ч ~˘ ₣ONḤ˜ Â

2 ₣^ Å ~ Ĩ ლ 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 ლ ғ ₣ ч0 ˘ ₣ONḤ˜ Âض Ĩ ლ G Å ˘ Ḥ˜ ч OFF Â

6 ł ł l·

10 ⌠ P09.05 ˇ ₣ON Ḥ ̊ Â

11 PLC PLC ₩ ɷ U ˇ ₣ ₩ ɷ ч 250ms
Ⅱ Ḥ ̊ Â

12 ⌠ Ť ☋ P21.17 ˇ ₣ON Ḥ ̊ Â

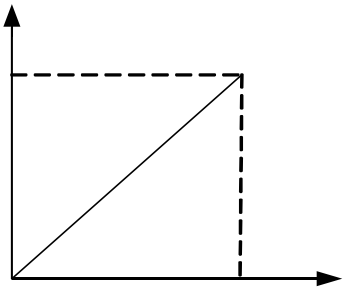
13 Ţ ₣ ̦ Ǐ̦ ˇ ғ Ť ☋ ₣ ˝
ƒ ̦ Ť

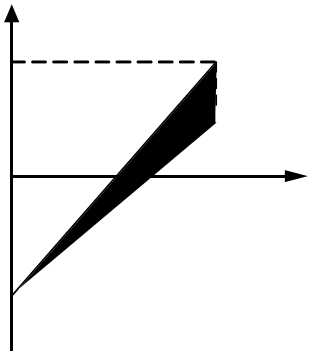
ˆ ł ĵ

ƧƬ

27

	DO ₹	₹ ∧ ṿ	00000		
		ɷ β	FMR		
		0			
		1	ǐ		
P04.11		∧ β	ↄ2	^ 0 1˜	
		β	Ḡ		
		∧ β	ↄ1	^ 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 ʏ G ~		₹ ʌ ẏ	000
	₰	ɷ β	AI1 ʏ G ~	
		0	~	
		1	0.0%	
		ʌ β	AI2 ʏ G ~ ^ 0˙ 1˜ □;⁝ ~	
		β	AI3 ʏ G ~ ^ 0˙ 1˜ □;⁝ ~	

w G ˘ ~ ʅ G Ĭ ~ Ŀ ˘

v Â

w ɷ β à ʌ β à β˘ №≠ ~ AI1 à AI2 à AI3 Â

ч 0˜ ↕ AI ~ ʏ G Ĭ ~ Ŀ ˘ ↕ ˘ ч w

Ĭ ~ Ŀ^ P05.01 à P05.06 à P05.11˜ Â

ч 1˘ ↕ AI ~ ʏ G ~ ˘ ↕ ч 0.0% Â

7.6 ĭ ‖ ₹ P6

P06.00	FMP ₹ w ^ ‖ ₹ ~	₹ ʌ ẏ	0
P06.01	AO1 ₹ w	₹ ʌ ẏ	0

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

˜ ϒ ضِ 0.01kHz~50.00kHz ң Â

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

₰˘ Ь w ˜ Й, '

6	PULSE ll ~	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˙ ₮

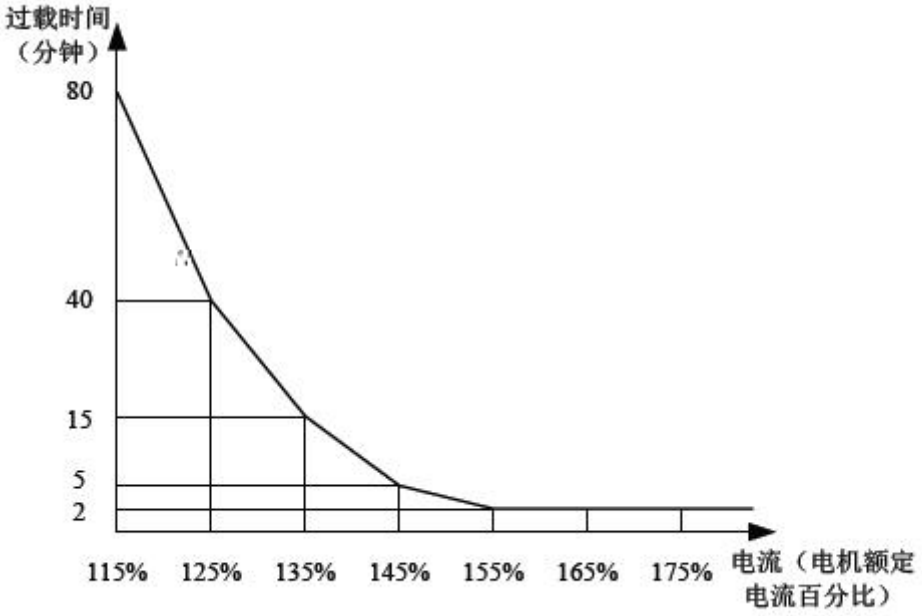
7.7 Ḡ ă P7

P07.00	Ḡ		≠ ∧ ỵ	1
	ṁ	0		
		1		
P07.01	Ḡ		∓ ∧	1.00
	ṁ		0.20	10.00

P07.00=0' Ḡ w ˘ ˆ ض شخ ∧ ˘ ĩ ك ь ң

₰ ك'

P07.00=1' ĩ ك Ḡ ĩ ˘ ∞ ٦ Â



ɒ ' ض 120% ' Й 30 № ˘ ↕ ѽ Й

30 № Ix

P07.02		₣ ∧ ỵ	80%
	مخ	50% 100%	

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

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

ﺍ ₣ ∧ ỵ 0
P07.03
مخ ^ ﺍ ~ 100

ﺍ Ḡ ﺍ ₣ ∧ ỵ 130%
P07.04
مخ ' Ł 120% 150% ậ ặ Ķ Ķ

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

Ĩ ☇ ☋ ¬ β w ˇ ↕ ض ¬ β ˇ DO ٦¬ ƀˇ ˆ

ץ 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 Ѵ L Â
P07.22	:::	Ī ⍲	Ḡ
P07.23	:::	⁘	₩ ⁘
P07.24	:::		₩
P07.27	Hυ		
P07.28	Hυ		
P07.29	Hυ	⅄	
P07.30	Hυ	~	
P07.31	Hυ	₣	
P07.32	Hυ	Ī ⍲	□ P07.17˙ P07.24
P07.33	Hυ	⁘	
P07.34	Hυ		
P07.37	₩		
P07.38	₩		
P07.39	₩	⅄	
P07.40	₩	~	
P07.41	₩	₣	
P07.42	₩	Ī ⍲	□ P07.17˙ P07.24
P07.43	₩	⁘	
P07.44	₩		

P07.47	Ḡ ˉ ƀ 1		₹ ∧ ỵ	00000
	ɔ̀ₒ	ɷ β	ˆ E011˜	
		0	Ả	
		1	Ả Ả	
		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	☋ ˆ E118˜	
		0	Ả	
		1	Ⓟ ч VF˜ Ả Ả	
		2	Ⓟ ч VF˜	
		∨ β	w Ω ˆ E021˜	
		0	Ả	
		1	Ả Ả	
		β	ĩ ☋ 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% ˘ Ь ↕ ⁻ ⌠	
		' 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 ľ Å Ŀ ˘ Ǐ ϛ E** Å Â

ч ľ Å Å Ŀ ' Ǐ ϛ A** Å Å ˘ Å U E** Â

ч ľ Ŀ ' Ǐ ϛ A** P07.54 Â

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

P07.55		₣ ∧ ẏ	100.0%
	₥	0.0%˙ 100.0%	

ĭ ☹ Ţ°° ˘ ₣ ч ˘ ĭ ☹

A**˘ ϒ P07.54 Â

˘ P07.55 ẏ˘ ɢ № Â

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

w ˘ ضِ Å ∧ ∀ ˘ ĭ ☹ ∀ ₣ ˘ ⱬ

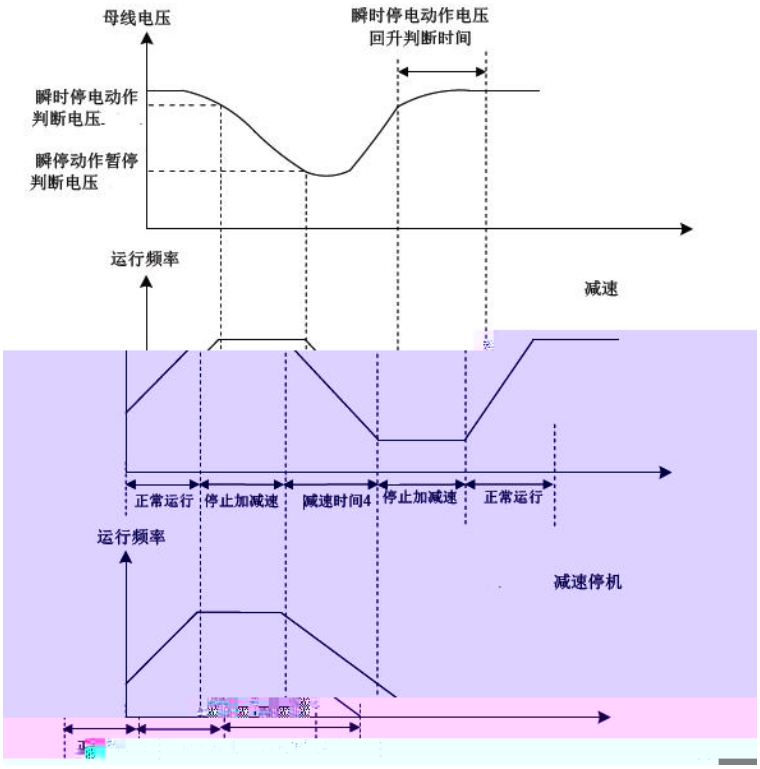
ẽ ĭ ☹ ∧ ∀˘ ϒ ĭ ☹ Â

P07.59=1 ˘ ضِ Å ∧ ∀ ˘ ĭ ☹ ⁞ ˘ ∧ ˘

ĭ ☹ ₰ ⌠ Â ∞ ∧ ш ∧ ₣

P07.61 Â

P07.59=2 ˘ ضِ Å ∧ ∀ ˘ ĭ ☹ ⁞ ⌠ 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

ঌ 0.0% 50.0% ~

₹ ∧ ỵ 1.0s

P07.68

ঌ 0.0s 60.0s

1' Ḡ

2' V/F └ ɢ Ь ˇ ₩̃ ĩ ᄀ ˉ ˜ ﺵ ˇ à

Â˜ ɢ ₩ ˉ ˜ ﺵ Â

' └ ă Âᵧ ‰ ă Ŭ

└ п ㇔ Â ᄀ ă P12 w ^ 2 ч P13 ~ˇ

˜ п Â

	ث פ		₣ ∧ ẏ	0
P08.02	ﺥ	0	Ƀ ث פ ^ LED ~
		1	ث פ ^ LED ~
		2	ث פ ^ LED ~

ĩ ᄀ └ث פ ~ Â

ĩ ᄀ └ث פ´ ' Ω¨ à Ả à à ǐ à ˉ Â

0' Ƀ ث פ ^ l' LOCAL Ŀ ~ ' Ƀ RUN à STOP/RES

ث פ └Â

1' ث פ ^ l' LOCAL Ŀ ~ ' w ~ FWD à REV à JOGF à JOGR ˇ

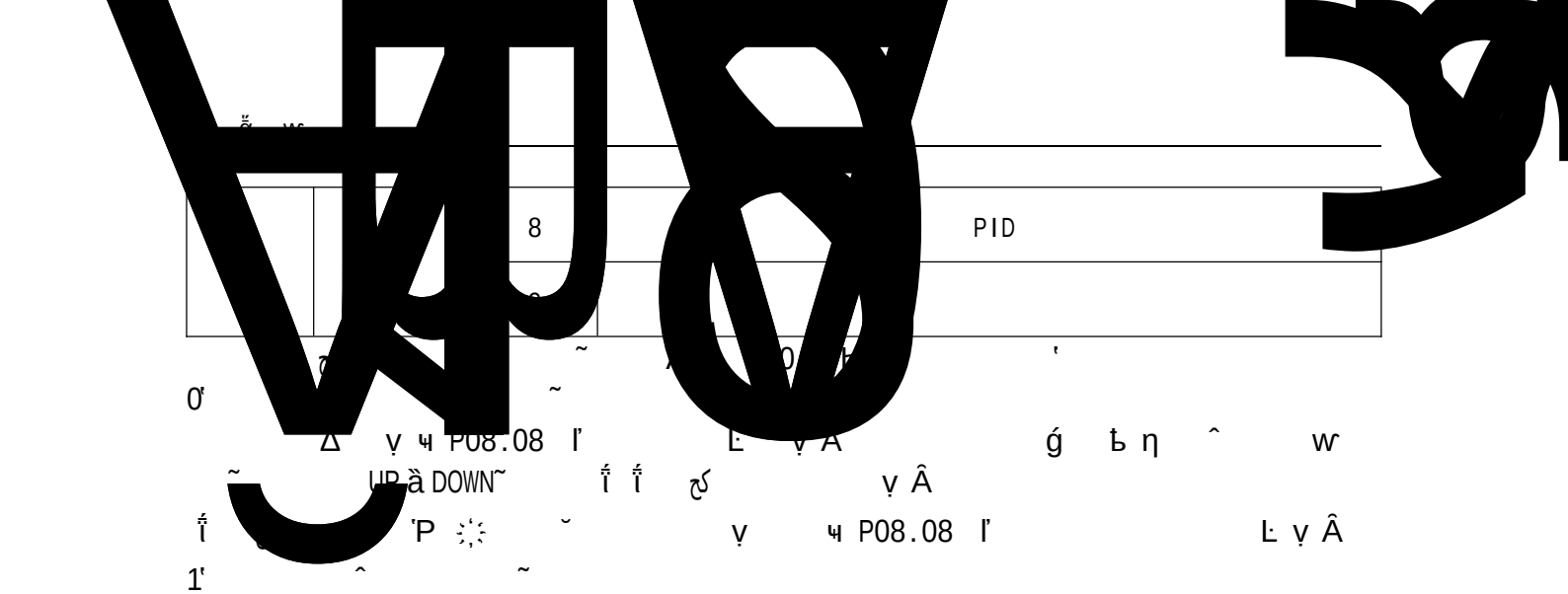
ث פ └Â

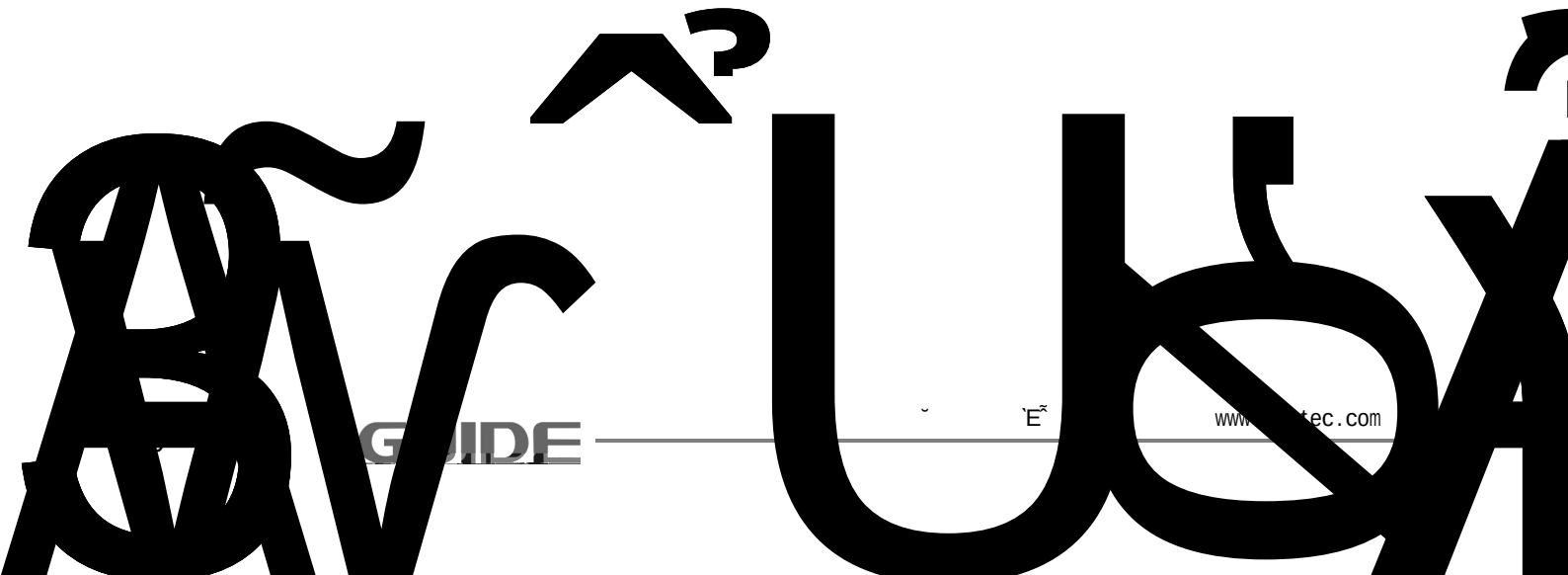
2' ث פ ^ l' LOCAL/REMOT Ŀ ~ ث פ β ₣ Â

ˇ ∧ Â

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

		8	PID

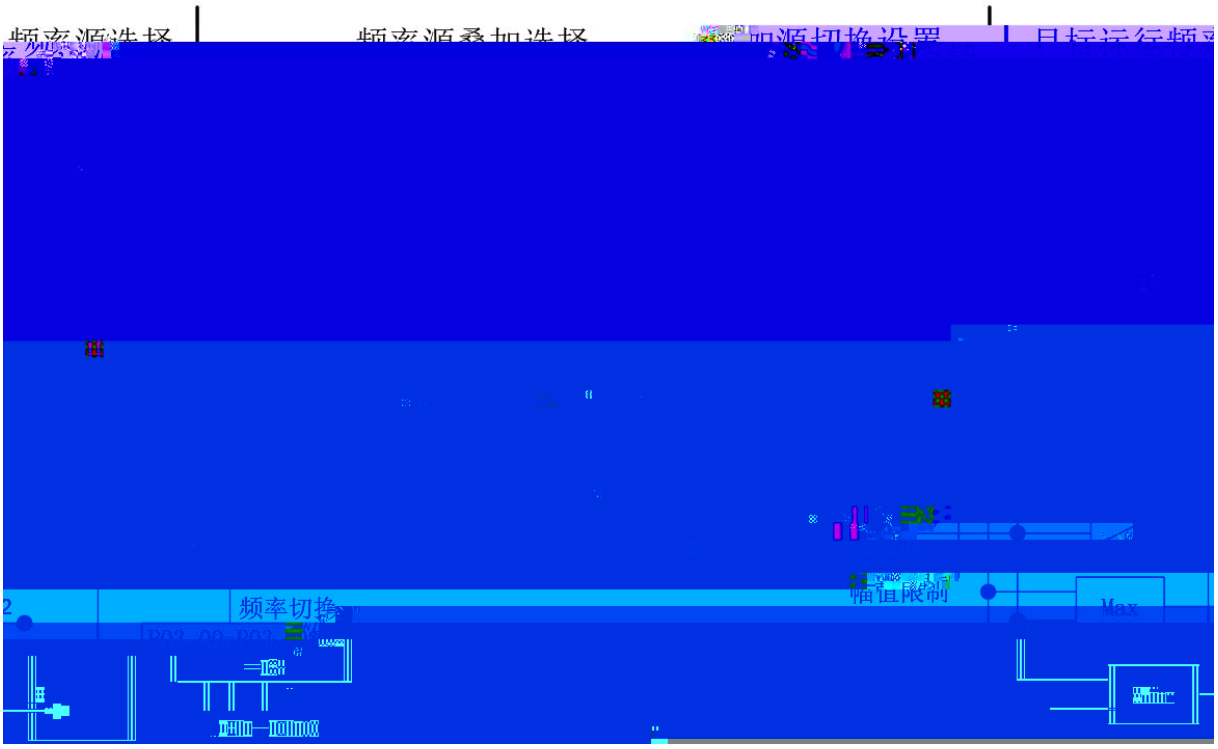




˘ Ȅ̃ ◆ ɾ ɯ ɬ ɔɯ ÔǴ ɔɯ ɀ Ķ m א t Ő ך ķ א t Ń ɔɯ Ô ́H ɔɯ Ď ɔɯ

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
l' 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 ش L ˘ ч ѽ ₣ ľ Ŀ ˘ ˆ ϒ
˘ ĭ ϲ ν ˘ ĭ ϲ Ḡ ضِ Â

P08.12		₣ ٨ ν	50.00Hz
	ѫ	Й	P08.14˙ P08.10
P08.13	Ẓ	₣ ٨ ν	0.00Hz
	ѫ	0.00Hz˙	P08.10

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

P08.14	Й	₣ ٨ ν	0.00Hz
	ѫ	0.00Hz˙	P08.12

ɒ ٧ G P08.14 Й ˘ ĭ ϲ ϒ Å à ϒ Й ϒ
˘ ν ˆ ϒ P21.14 ٧ G Й ~ Â

P08.15		₣ ٨ ν	Ь ѭ w ˜
	ѫ	0.5kHz˙ 16.0kHz	

Ψ Й ↓ ºº ڏ'

	٧ ŕ
ك	ŕ
₣	ŕ
٦	ŕ ٧
ĭ ϲ ٦	٧ ŕ
	ŕ
	ŕ

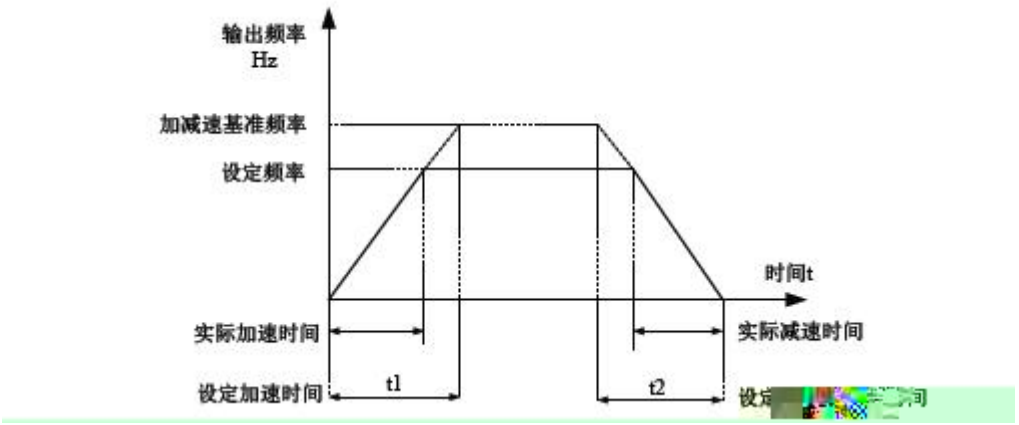
Ь w ĭ ϲ ˘ ₣ ٨ Ь Â ˆ ϒ ќ ˘ p
' ₣ ٨ ν ˘ Ψ ĭ ϲ ϲ ٦ ˘
ĭ ϲ ą ˘ ٦ ↕ ĭ ϲ ٧ Â

P08.16		₣ ∧ ẏ	0
	₰		0' ᵀ 1'

ˇ ǐ ᓚ ⌡ ᓚ ˇ ˫ ɣ ˇ ɣ Ḃ
ɣ ǐ ᓚ ᵀ Â ᓚ ɣ ˇ ⌡ ẏ Â w ˆ ɣ ⋮
ǐ ᓚ Ψ Â

P08.17	∀ 1	₣ ∧ ẏ	₥ w ˉ
	₰	0.00s˙ 6500.0s	
P08.18	⋮ 1	₣ ∧ ẏ	₥ w ˉ
	₰	0.00s˙ 6500.0s	

∀ ǐ ᓚ ᑕ ˇ ∀ ⌡ ∀ ⋮ ‰ ^ P08.25 ~ ˇ ₰ Ţ
t1 Â
⋮ ǐ ᓚ ᑕ ∀ ⋮ ‰ ^ P08.25 ~ ˇ ⋮ ⌡ ˇ ₰ Ţ
t2 Â



∀ ⋮ ₰
GF630N01 ᴸ 4 ∀ ⋮ ˇ ˆ ≠ ~ DI Ⓟ ˇ ₥ ∀ ⋮
Ӣ w '
₩ ' P08.17 à P08.18'
Ⱨ ' P21.03 à P21.04'
ᵔᵔ ' P21.05 à P21.06'
₥ ' P21.07 à P21.08 Â

P08.19	ѵ ⋮ ч β		₹ ∧ ν	1
	ѭ	0	1	
		1	0.1	
		2	0.01	

ч Ỵ ش ˘ GF630N01 ˪ 3 ѵ ⋮ ч β˘ №≠ ч 1 ð0.1 ė 0.01 Â

' ќ w ă˘ P8 ѵ ⋮ β ψ ĩ. ˘ ѵ ⋮ Ӟ ŭ ĩ. ˘ Ţ ≠ Â

P08.21	Ŋ ѵ ↑ Ẓ	₹ ∧ ν	0.00Hz
	ѭ	0.00Hz˙	P08.10

w ˷ ض ч h Â

ч h ˘ P8.21 ƀ ч Ẓ ˘ ь h Ŋ ѵ ƀ ч ν˘ ą ˆ ɣ ч Â

P08.22	ѕ №	₹ ∧ ν	2
	ѭ	1	0.1Hz
		2	0.01Hz

ă ь ˜ w № Â

№ ч 0.1Hz ˘ GF630N01 ₹ ˆ ɣ ∫ 500Hz˘ № ч 0.01Hz ˘ GF630N01 ₹ ч 500.00Hz Â

' ќ w ă˘ ь ˜ ă β ψ ĩ. ˘ ν Ӟ ŭ ĩ. ˘ ą Ţ ≠ Â

P08.23	Å	₹ ∧ ν	0
	ѭ	0	ь
		1	

w ч Â

ľ ь Ŀ ĩ ϛ Å U˘ ν ч P08.08˜ ~ ν˘ ģ à η UP à DOWN ќ Â

ľ Ŀ ĩ ϛ Å U˘ Ḡ ч Å ⊥ ˘ ģ à η UP à DOWN ќ Ḡ Â

6082331

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

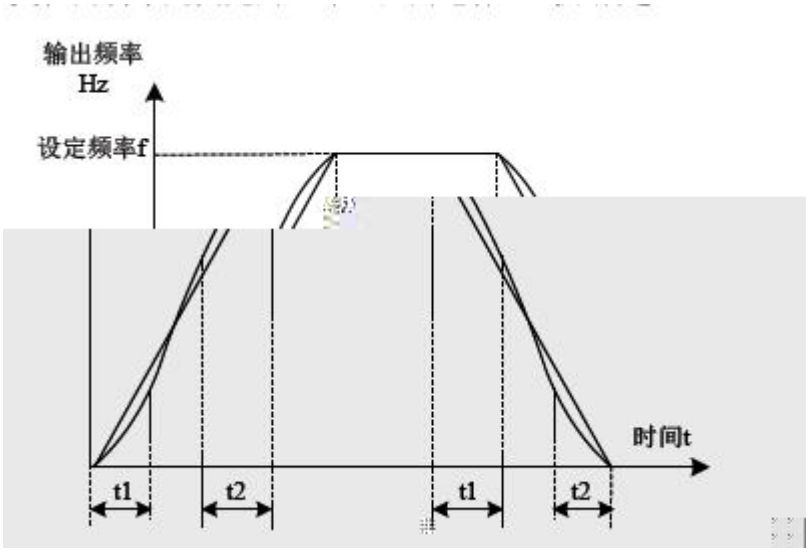
ΐ ̃ ضِ ؊ à Å˘ Ţ ΐ̣ Â
0' ٧ ⋮ ₹ ⋮ Â
1' S ٧ ⋮ A ₹ S ⋮ Â
S ضِ ؊˘ Å ش ą ˘ à Âw P08.36 غ P08.37
№≠ Ч ↻ S ٧ ⋮ غ ɒ ضِ ⅋ ˘
٧ ⋮ ч'

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

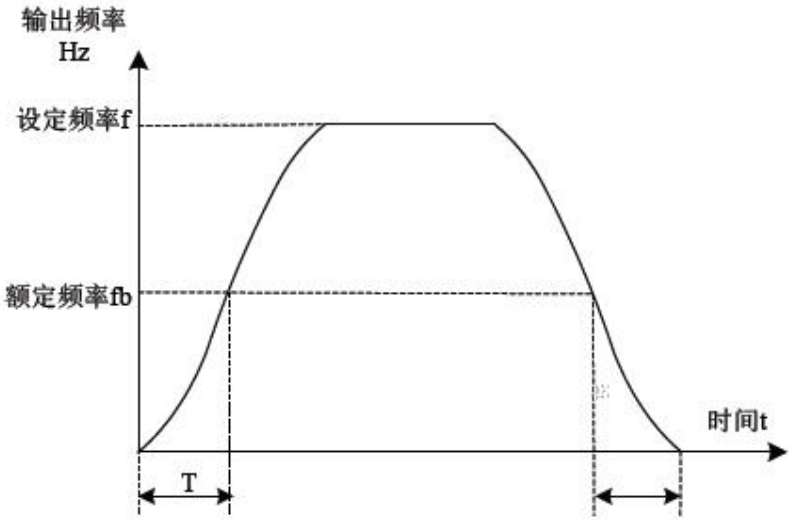
ì Ţ˘ f ч ˘ f b ч ˘ T ч ⊄ 0 ٧ ∫ f b
Â

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

S ɒ
P08.37



S v A



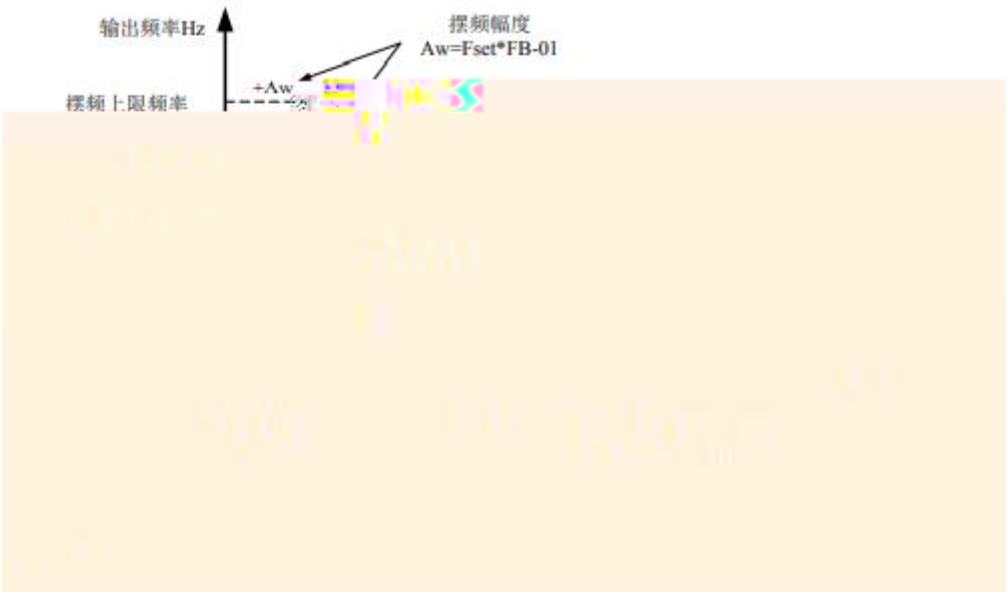
S v B

P08.38	Å		₣ ∧ ỵ	0
		0	⋮ Å	
		1	Å	

0' ⋮ Å Å ث ɒ U˘ Ĩ ᶎ ⋮ ∨ ₣ ˘ ч 0 U Å Â
1' Å Å ث ɒ U˘ Ĩ ᶎ ∧ ₣˘ 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

˘ Ѐ˜ ' www.gdetec.com

P09.03	Ա	Ֆ ^ ų	10.0s
	֎	0.0s˙ 3000.0s	
P09.04	֏ ֏ ^	Ֆ ^ ų	50.0%
	֎	0.0%˙ 100.0%	

Ա ' ₩ ₢ Ա ų 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		Ֆ ^ ų	1000m
	֎	0m˙ 65535m	
P09.06		Ֆ ^ ų	0m
	֎	Ƶ00 ž֎ ֎35m	

Ь

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

Ɒ ̃ γ ِ ̂ ̂ ِ ̈ ِ ' ђ ч à ђ ч VF № ∧ à ђ ч PID
Â

̂ ̂ ̂ ِ Й ̆ Ɒ ч ų ̆ ж -100.0%~100.0% ̃ ђ ч ї
ч № ' ђ ч VF № ∧ ̆ ч G ∧ № '
G PID ч ų ̆ Ɒ ђ ч PID Ь Â
Ɒ w DI Ь ̆ ® ̆ ́ r ă P3 ̃
Â

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P10.26		∓ ∧ ν	
	مخ	0.01A	<=55kW
		0.1	>55kW

P10.22 P10.26 ă ă W Ī ک

Â ì Ţ l' L7 P10.22 P10.24 ă l'

L P ŋ 5 ă P ă Â

w ^ P10.17 ∧ P10.18 Ī ک Ψ Ĺ P10.22

P10.26 ă ν 5 ă ч ‰ Y ↓ ă Â

ش ي P ∧ ă W Â

P10.53	مخ	∓ ∧ ν	0
		0	Ъ
		1	
		2	

0 Ъ ∧ Â

1 G ė Ь Ь ي ش Â

Ī ă P10.16~P10.21 Â

Ī ک P P10.22 P10.24 ă Â

Ъ w ч 1 U RUN Ī ک Â

2 ч Ğ Ī ک L ė

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P21.02	¬ ⁞	₣ ∧ ỵ	20.0s
	₰	0.0s˙ 6500.0s	

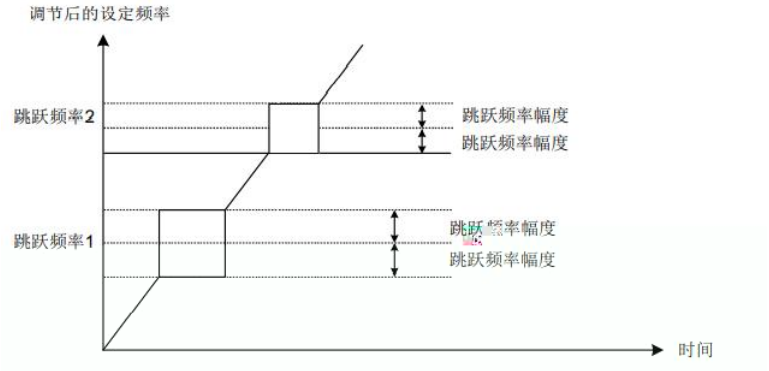
Ꮋ ¬ ǐ ᏼ ǐ ∨ ⁞ Â
¬ ˘ Ꭿ¬ ᵩ ч Ꭿ¬ ^ P08.28 = 0 ~ ˘ Å ᵩ ч ⁞ Å
^ P08.38=0˜ Â

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	

P21.11		∓ ∧ ν	0.00Hz
	ﻣﺨ	0.00	

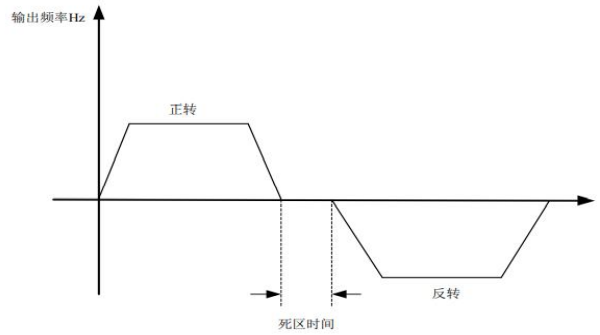
ﺽﻲ ﻣﺨ ρ ˘ Ψ ﺽﻲ Â
˘ ˜ ϒ ą ĭ ﻙ ˜ Â

GF630N01˜ ң ɷ ˘ ң ɷ ﺥﺸ ч Ơ ↕ w ŭ Â
ĭ ∧ ˘ ă Ӈ ﻳﺤ



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

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P21.13	ĭ └ ą	∓ ∧ ν	0
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	1		

ă ĭ ﻙ Ղ¨Ӈ ﺽﻲ ĭ ˘ ﺽﻲ Ь¨Ӈ ĭ ﻳﺸﻲ ˘
P21.13=1 Â

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

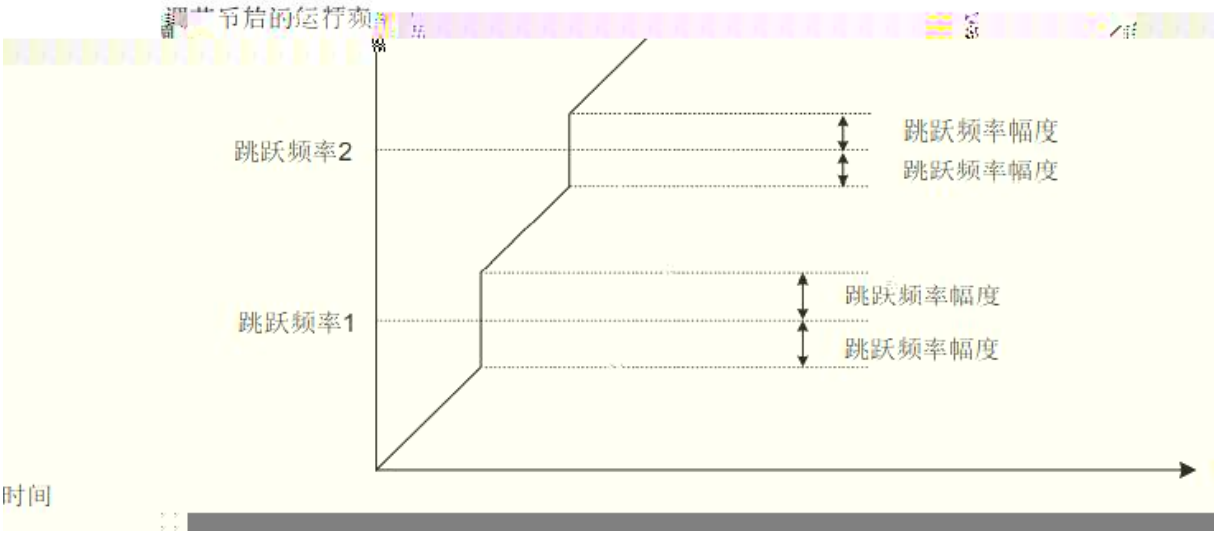
٧ G Й ˘ ĩ ح ˆ ٢

P21.22	٧ ⋮ Ţ ר	₹ ∧ ٧	0
	ض	0' 1'	

W ɢ ˘ ضي ٧ ⋮ Ţ˘ ר Â

ч ˘ ضي ض ˘ Ψ

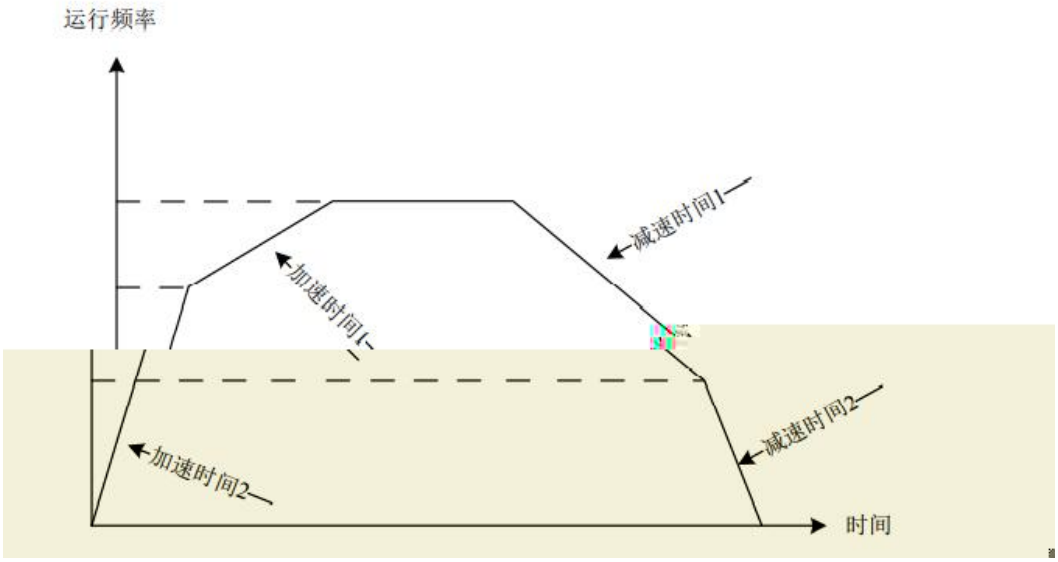
Â Й, ىح ч ٧ ⋮ Ţ ىح Â



P21.25	٧ 1 Ь ٧ 2 Ⓟ	₹ ∧ ٧	0.00Hz
	ض	0.00Hz˙	
P21.26	⋮ 1 Ь ⋮ 2 Ⓟ	₹ ∧ ٧	0.00Hz
	ض	0.00Hz˙	

W ضي ч 1˘ ғ DI Ⓟ ٧ ⋮ Â ɢ ضي ĩ

ح Ţ˘ Ь DI ض˘ Ь □ ٧ ⋮ Â

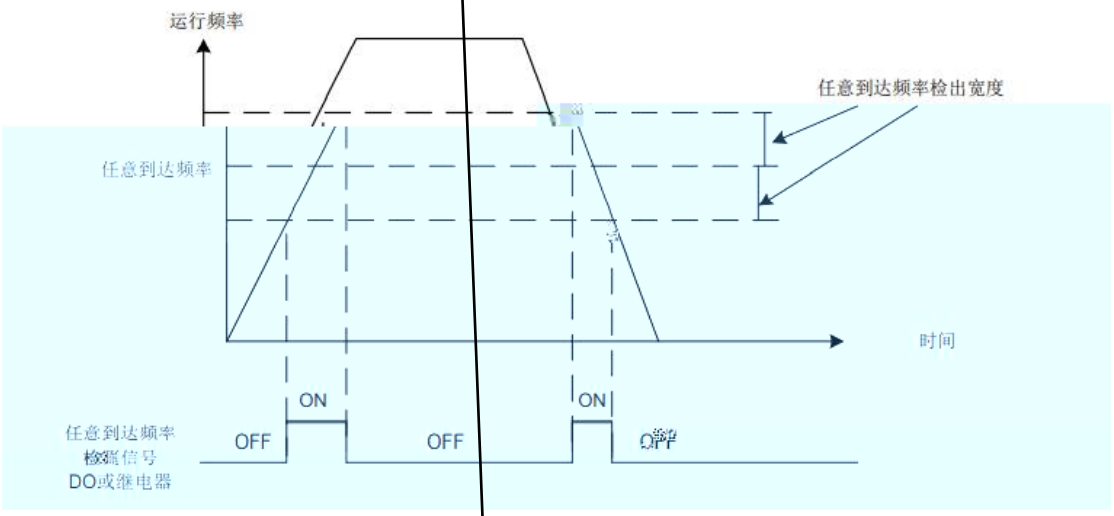


ﾟ ﾞ ﾔ ﾚ ﾞ ⋮ Ⓟ ﾞ Â ﾘ ﾚ Ţ˘ G P21.25 ↕ ﾚ
2’ G P21.25 ↕ ﾚ 1 Â

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

P21.31	κ ⌠ ∓ 1	∓ ∧ ỵ	0.0%
	ﾍ	0.0%˙ 100.0%ˆ ~	
P21.32	κ ⌠ ỵ 2	∓ ∧ ỵ	50.00Hz
	ﾍ	0.00Hz˙	
P21.33	κ ⌠ ∓ 2	∓ ∧ ỵ	0.0%
	ﾍ	0.0%˙ 100.0%ˆ ~	

Ï ﾛ ∓ ˘ ﾘ κ ⌠ ỵ ∓ ﾍ ṗ ˘ w DO
∓ ON Ḥˆ Â
GF630N01 ᴸ Ң κ ⌠ ∓ ă ˘ N≠ ỵ Ï ﾍ Â Й ﾞ ﾔ
w ﾞ



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

Ů ỵ ˇ ‰ w ↕ A Â

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AI1

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٧ ﻝ	E100	1 à ˜ ﻝ Ẓ 2 à ٧ Ţ ضِ ʒ ˫ 3 à ٧ 4 à ٧ ˩ ﻝ ʺḤ ǵ ˩	1 à ﻝ ﻣﺦ 2 à ŭ ˫ ʒ ٧ ˩ 3 à ٧ 4 à ٧ ˩ ﻝ ʺḤ ǐ
⁞ ﻝ	E101	1 à ˜ ﻝ Ẓ 2 à ⁞ Ţ ضِ ʒ ˫ 3 à ⁞ 4 à ٧ ˩ ﻝ ʺḤ ǵ ˩	1 à ﻝ ﻣﺦ 2 à ŭ ˫ ʒ ٧ ˩ 3 à ⁞ 4 à ٧ ˩ ﻝ ʺḤ ǐ
ﻝ	E102	1 à ˜ ﻝ Ẓ 2 à Ţ ضِ ʒ ˫	1 à ﻝ ﻣﺦ 2 à ŭ ˫ ʒ ٧ ˩
ﻝ	E105	1 à Å 2 à ǐ ﻙ ˜ ﻝ ƀ ضِ ﻣﺦ 3 à ǐ ‖ ƀ 4 à ˫ 5 à ﻝ ƀ 6 à ˩	1 à β 2 à ﻝ ⌡ ﻣﺦ 3 à 4 à 5 à 6 à
ﻙ	E108	1 à ˫ ǵ ƀ 2 à ﻙ ƀ	1 à ˫ 2 à ﻙ
٧	E110	1 à ǐ ﻙ ﻑ ﻉ ضِ ﺽ 2 à ˩ ﻍ ﻓ ǎ 3 à ضِ Ω˫ 4 à ٧ Ţ ٧ 5 à ǐ ﻙ ﻗﻤ Ẓ 6 à ٧ 7 à ˫ ٦ V/F ƀ̤ 8 à ﻝ Ẓ ٧	1 à ﻣﺦ 2 à ǎ 3 à Ω˫ Å U ˈP Ω˫ 4 à ŭ ٧ 5 à W ǐ ﻙ 6 à ٧ 7 ǰ

		1 à ǐ ح ⌡ Ь		1 à ﻫ	
		2 à ǐ ح Ŧ Ь		2 à	٦
Ŧ	E114				
		3 à ـ		3 à	
		4 à ﺷ		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
ﺷ	E120	3 à ﺷ			
		4 à ﺷ ﺷ			
		5 à ǐ ﺷ ﺷ			

9 Ь Ḡ Ī

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9.2

ч ъ Ї ↀ Ṻ ˘ Ḡ ˘ Ї ↀ ą ث˘ Ї

ↀ ˘ ṗ Ѝ '

	ṗ	∞≠ ‰
	1. à 2. à r	1. > 40Ņ Å ٧ < 95%˜ o 2. ء˘ à r
' ٧	1. 2. Ї ↀ r	1. ˘ 2. r ˘ ↀ
Ї ↀ r	1. ¯ à ٦ 2. ↀ 3. à	1. ¯ à ₹ ٥ 2. ↀ à ء 3. ﻫ ¯
	1. ¯ à ٦ 2. ↀ	1. à 2. à Ь ش˜ ↀ
˜ à ₹ ă	1. ˜ ٨ 2. ₹	1. ˜ ٨ ض ﺥ ṗ 2. ₹ ض ٧ ٢ Ѝ

9.3

ч ъ Ї ↀ Ṻ ˘ Ḡ ì ˘ ^ ٧ ٢

ṗ˜ Ї ↀ ˘ ṗ Ѝ '

	ṗ	
Ж	Ж ٦ ¯	
w ¨Ḥ ↀ ð	à	٨ ŋ
ↀ	à	٨ ŋ
	٦ Ї à ء	
	ↀ ė ¯ ٦ 2'	1¨ 2¨
PCB	à	٨ ŋ

9.4 Ð

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˜ Â כ Ð ₩ ث Й'

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2à ч ъ ŋ˘ Ғ ʒ¨ 2 ĭ Â

3à й ṗ ˚ ĭ¨ ˘ Ьз Â

м È˜

Wuhan Guide Technology Co.,Ltd.