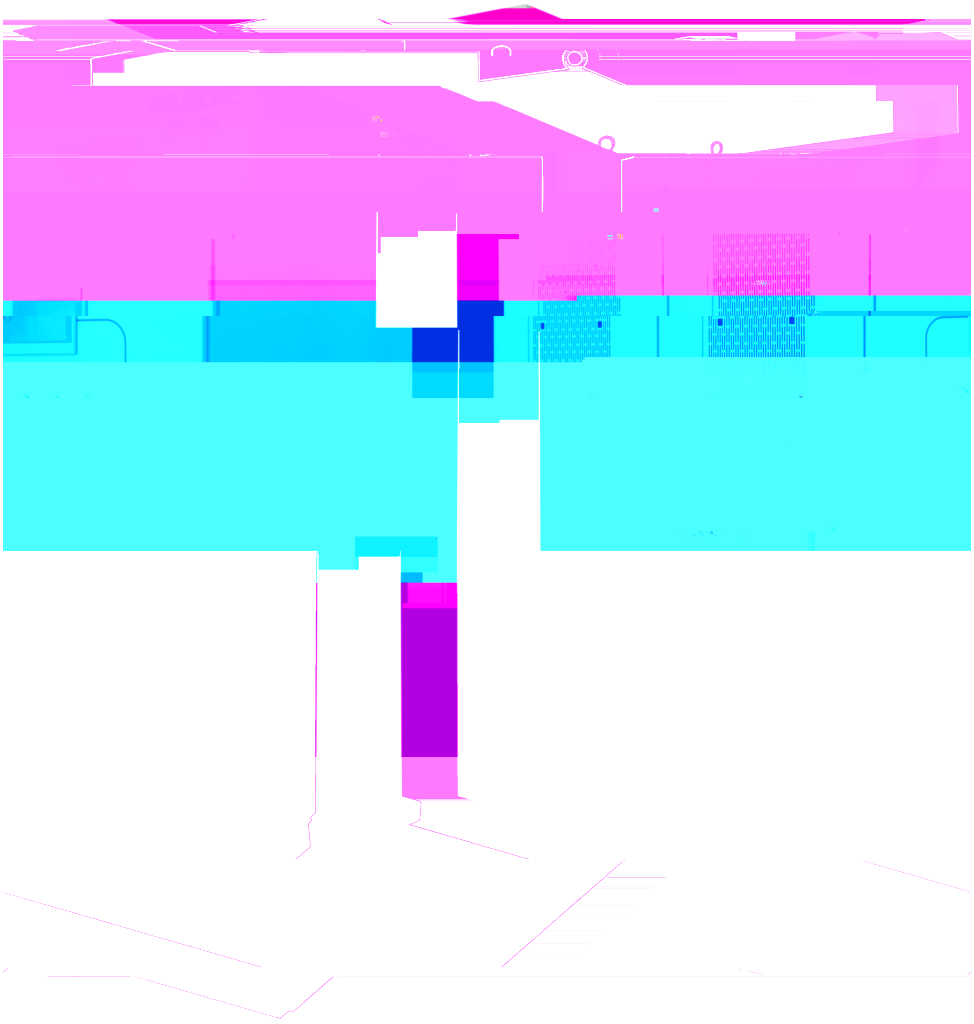
HF6000

V1.00



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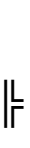

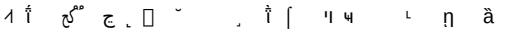

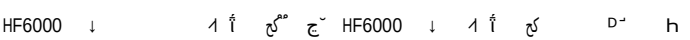

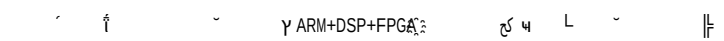

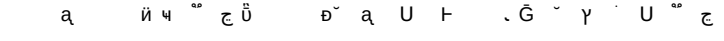

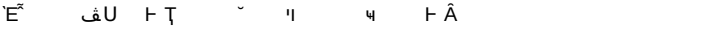

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~ ٧ ﺨ 6kV/10kV ¤ 10% ˘ 10%~ 35%¨Ḥ

~ 50/60Hz

٧ ¨Ḥ ~ ٧ 690V

~ w˙ ﺨ ů 0.96̂ 20%~100%˜

~ IEEE519 2014 ẹ GBT14549 93 ‰

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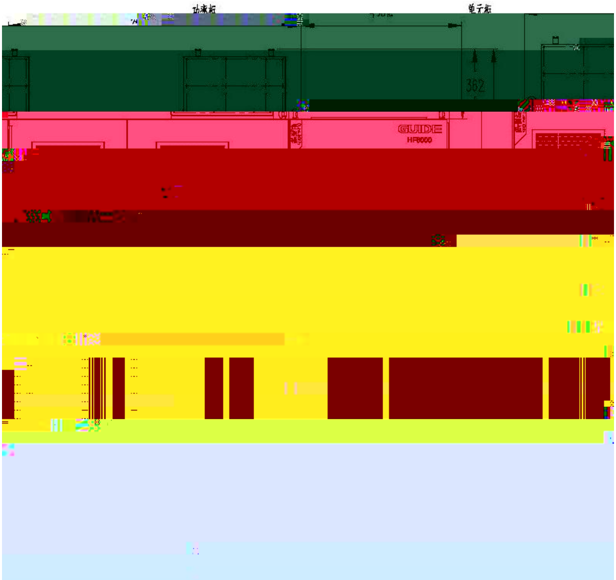

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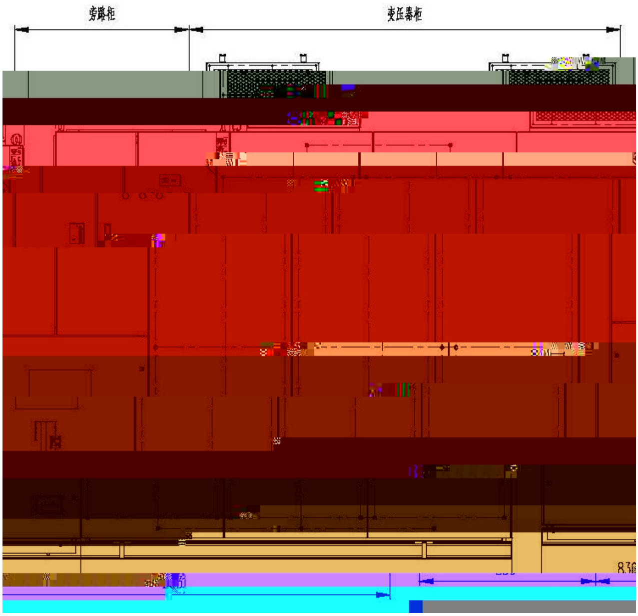

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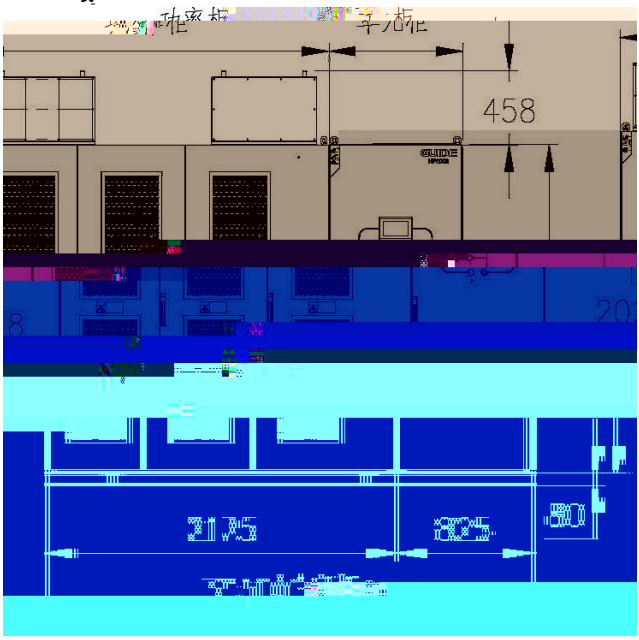

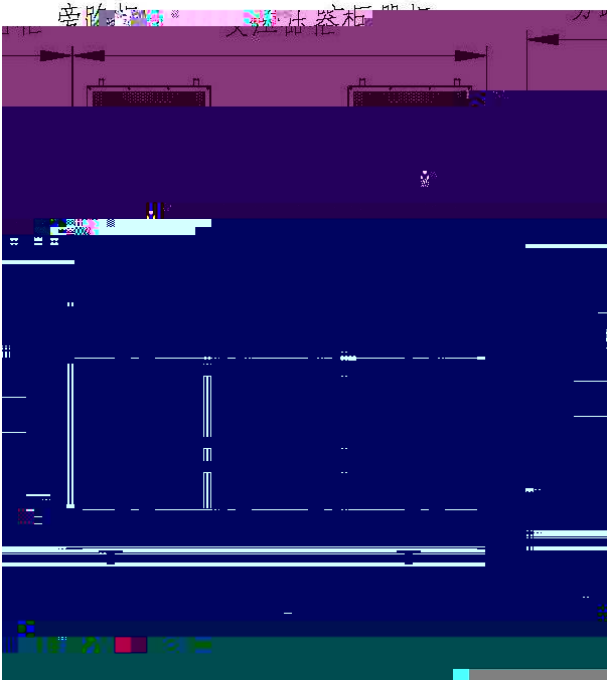

2.

HF6000-3150-100/100-DB-M	182	2500	7.8
HF6000-3500-100/100-DB-M	202	2800	8.0
HF6000-3750-100/100-DB-M	217	3000	8.2
HF6000-4000-100/100-DB-M	231	3150	8.3
HF6000-4500-100/100-DB-M	260	3550	8.5

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IEC3S760721-3-3:(r)*2019, :3K22,	Ð 3 №

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3.1.

HF6000 3*N 690V N

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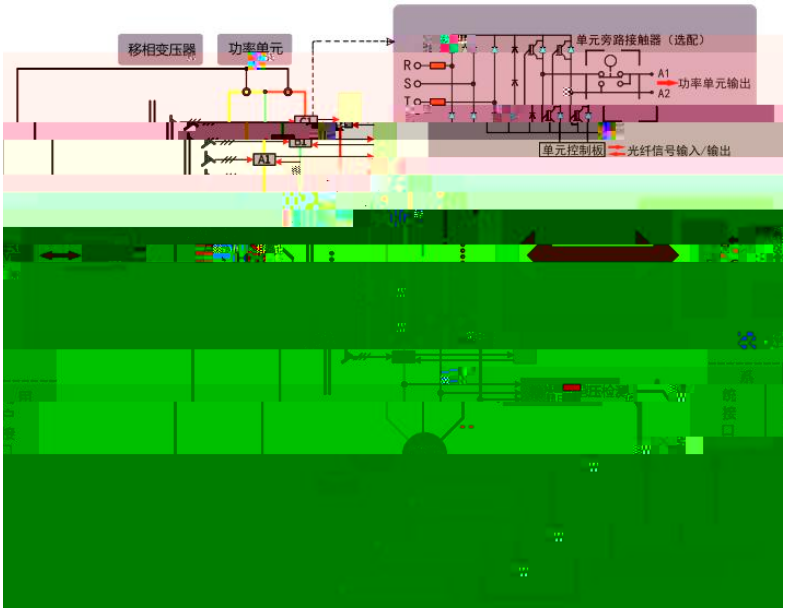

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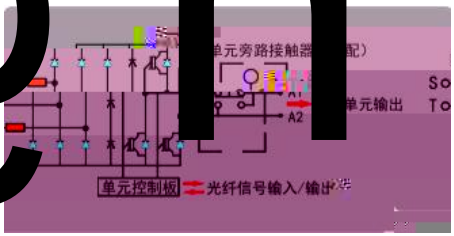

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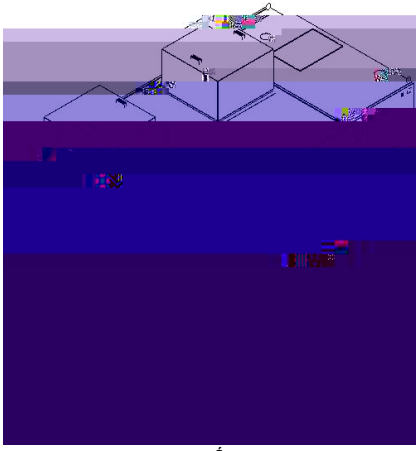

ᴝ 3-4 HF6000 ⅄ Ĩ

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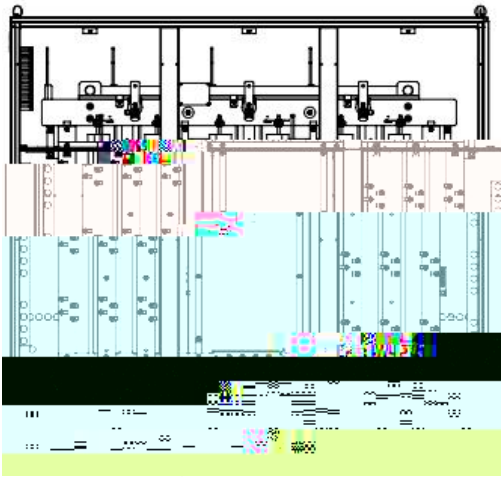

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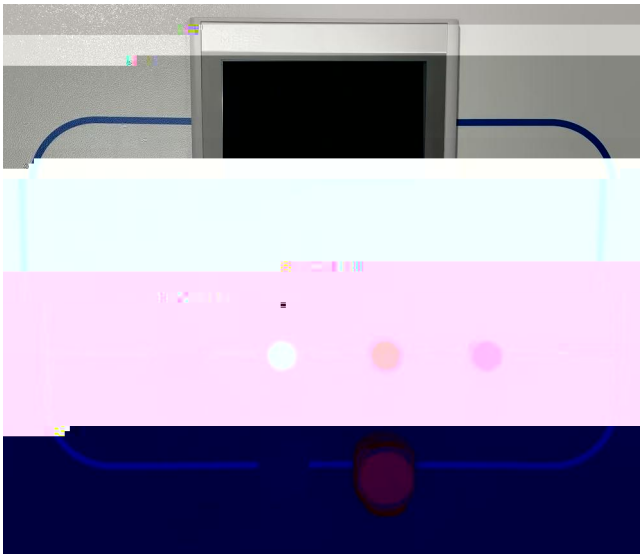
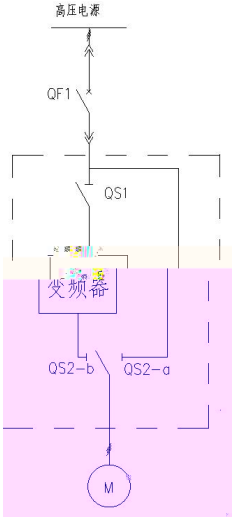


ﺝ 3-7

3.2.4. №



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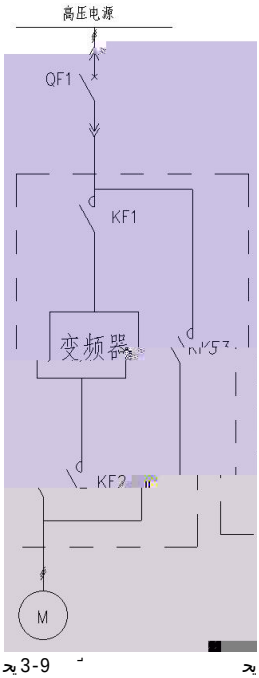
[illegible] [illegible] Й [illegible] 3-9 ^ ₴ [illegible] ₃ L~ Â



[illegible] 3-9 [illegible] [illegible]

3.2.5. w ∤¨Ḥ

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~ ˇ ˟ ¥ ∤ ₹ [illegible] ˇ ǐ ∤ ƺ Ь ˟ Ţ Â

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˘ ѻ ㄚ ″Ḥ ڜ à à IGBTw ㄎ ɒ à ˘ ľ Ḡ ڜ ľ ㄐ à
à Ḡ w ˘ ˜ ˙ h ᴊ ˘ Ь ڑ Ì ɾ ㄚ ″Ḥ Â
ㄚ ″Ḥ ɣ Ì ' 8/5 ѻ ㄚ ″Ḥ ₣ ㄐ Ŋ ˘ ˜ ˜ 10kV/6kV ㄐ ˘
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3.3.

3.3.1. :

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3.3.2.

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3.3.3. ǎ

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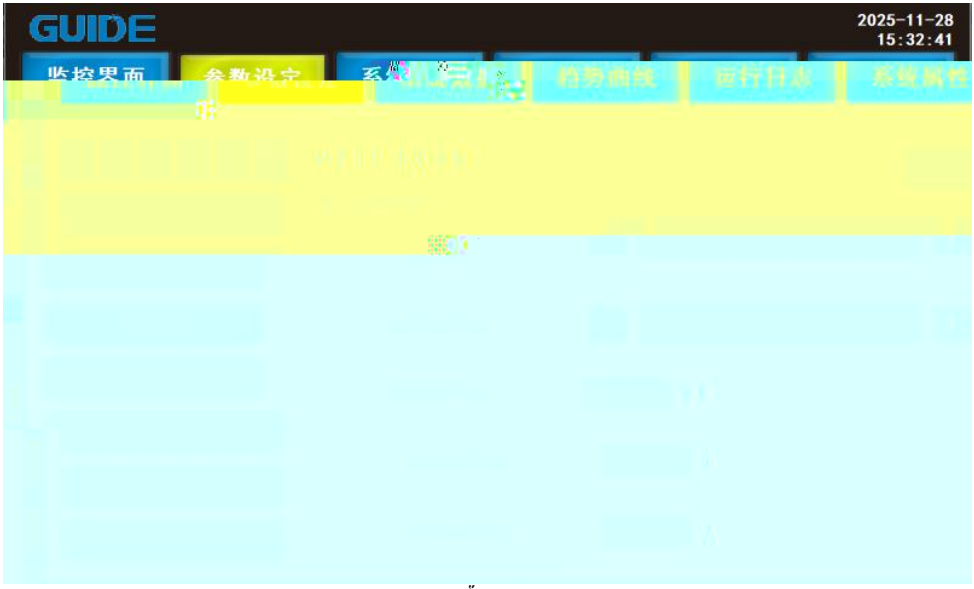

ɔ̣ 3-11 ǎ

3.3.4.

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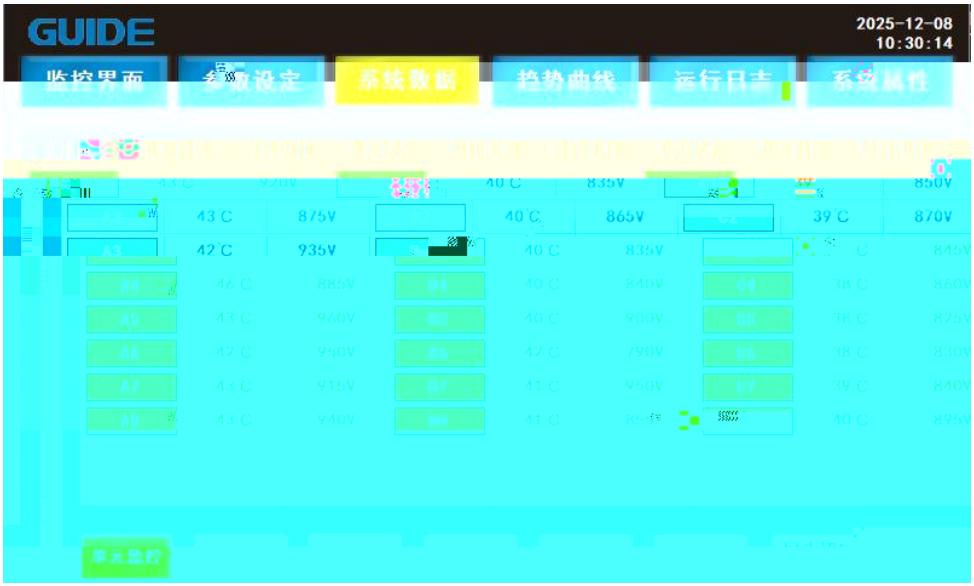

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3.3.5. ㄋ

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ㄓ3-13 ㄋ

3.3.6.

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4.1.2.

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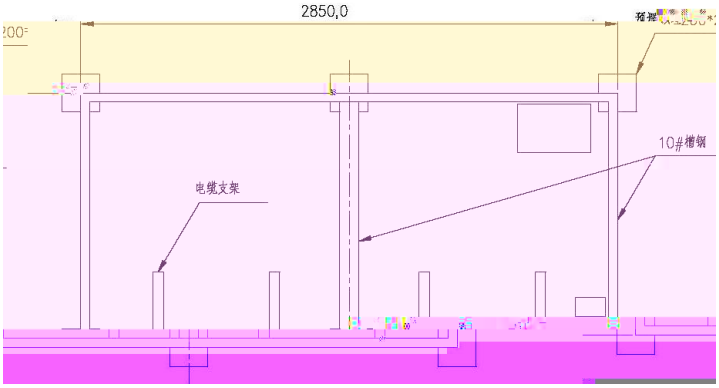

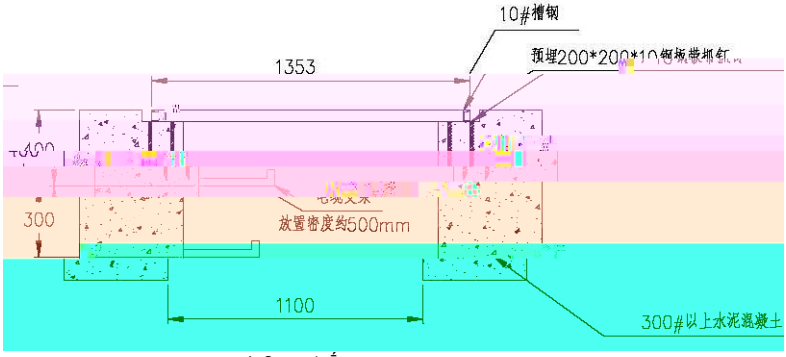

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4.1.5. ɾ

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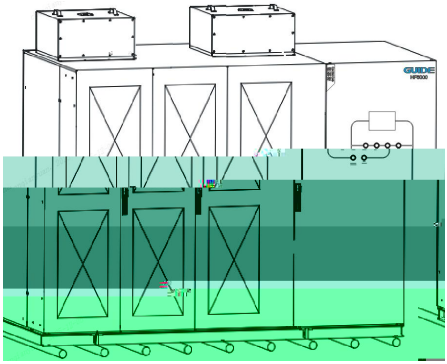

4.2.2. ⌈

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⌄ Ь ⍮ ⍦ Ь È⁼ WҤ Â
⍲ ⍓ ⌄ ᵐᵐ Ь Â
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4.2.3. ᵝ Ь ⍦

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4.2.4. [illegible]

[illegible]

HF6000 [illegible]

4.3. [illegible]

4.3.1. [illegible]

[illegible]

4.3.2. [illegible]

4.3.2.1. [illegible]

[illegible] RàSàT [illegible] UàVà [illegible]

4.3.2.2. [illegible]

[illegible]

	R			M10 25N.m M12 45N.m M16 100N.m
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	T			
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	W			

4.3.2.4.

4.3.2.5.

4.3.3.

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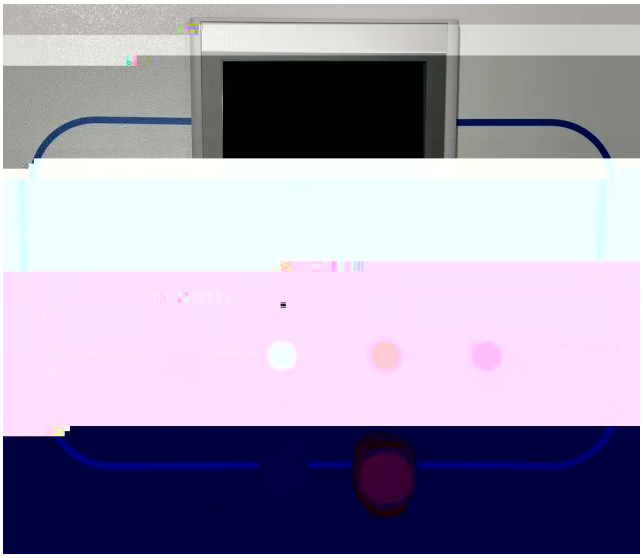
2) 0.5~1.5mm
3) 0.5~1.5mm
4) 0.5~1.5mm

4.3.4.

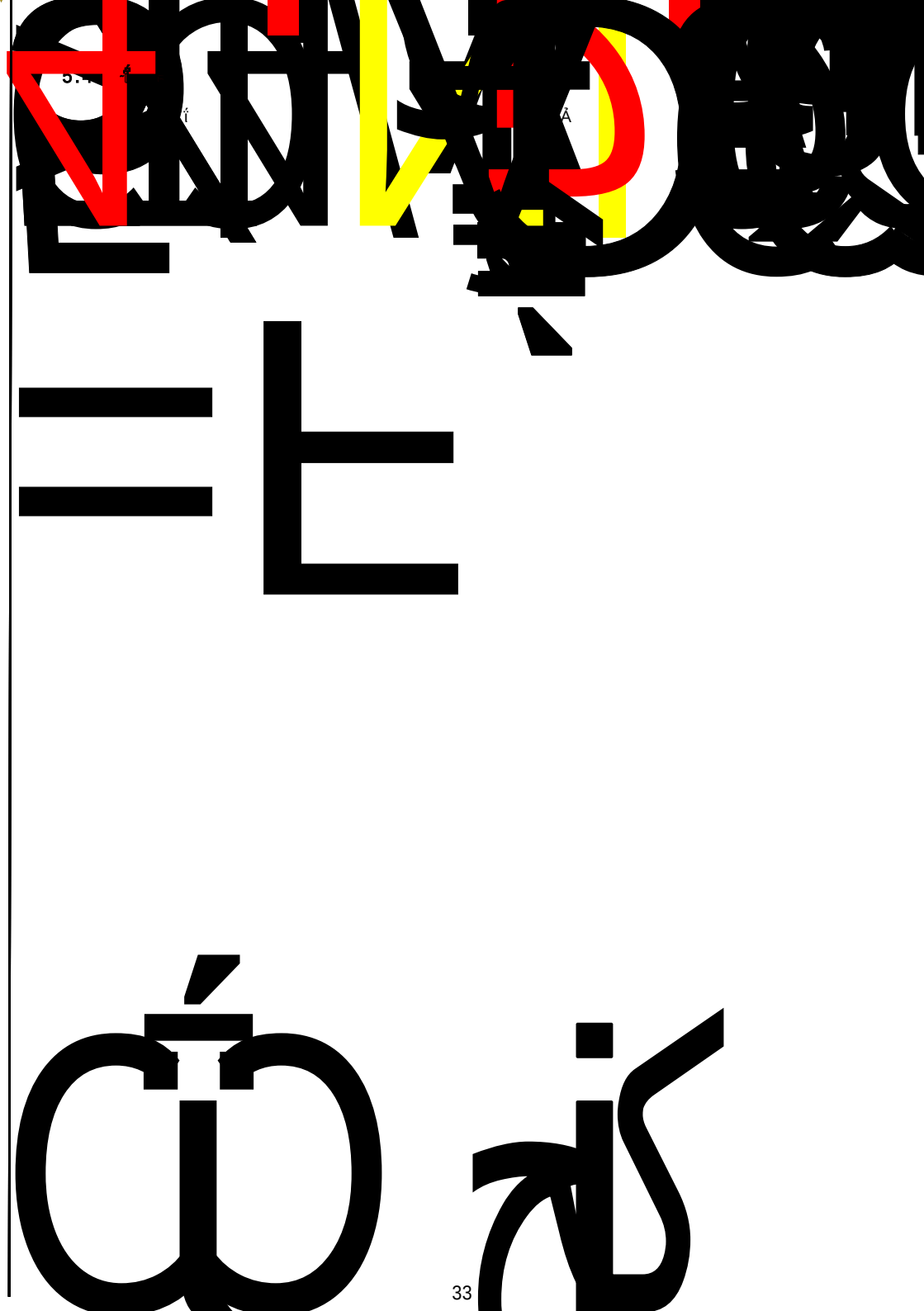
HF6000 ˄ ˜ ˇ H



5.3.

5.3.1.

5.3.2.



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5.6.2.

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5.6.3.

5.6.4.

5.6.5.

5.6.6.

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5.6.7. ќ

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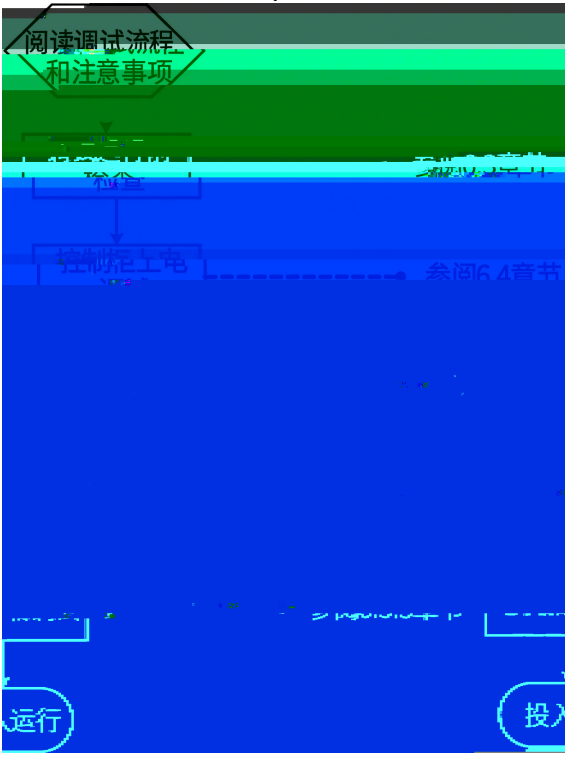
6.

6.1.



6.2.

6.3.

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6.5.2.

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6.5.3.

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7.1. P00 w

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P00.01	1 L	0 1 ~ 1 ^ ~ 2 2 ~ 3 VF ^ Ь ~ 9 ^ ~ 10 ^ ~	0~10	2

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1 ~ G ˗ ˘ G L ˘ W̄ Ĩ ر7 ˗ W̄ Â

1 ^ ~

^ ~ G ˗ ر ˘ ٧ ر ˘ Ĩ ر Ь

ر ˗ PG ٧ Â G L L ˘ W̄ Ĩ ر7 ˗ W̄ Â

2 2 ~

2 ~ G ˗ Â G 1 ~ L γ ˘ p ǎ

Ь ˘ ˗ ˜ Â 3 G W̄ Ĩ ر ˗ ˜ Â

3 VF ^ Ь ~

VF ^ Ь ~ G ą ˘ Ь Â

9 ^ ~

^ ~ G ˗ ˘ G L ˘ W̄ Ĩ ر7 ˗ W̄

Â

10 ^ ~

^ ~ G ˗ ر ˘ ٧ ر Ĩ ر

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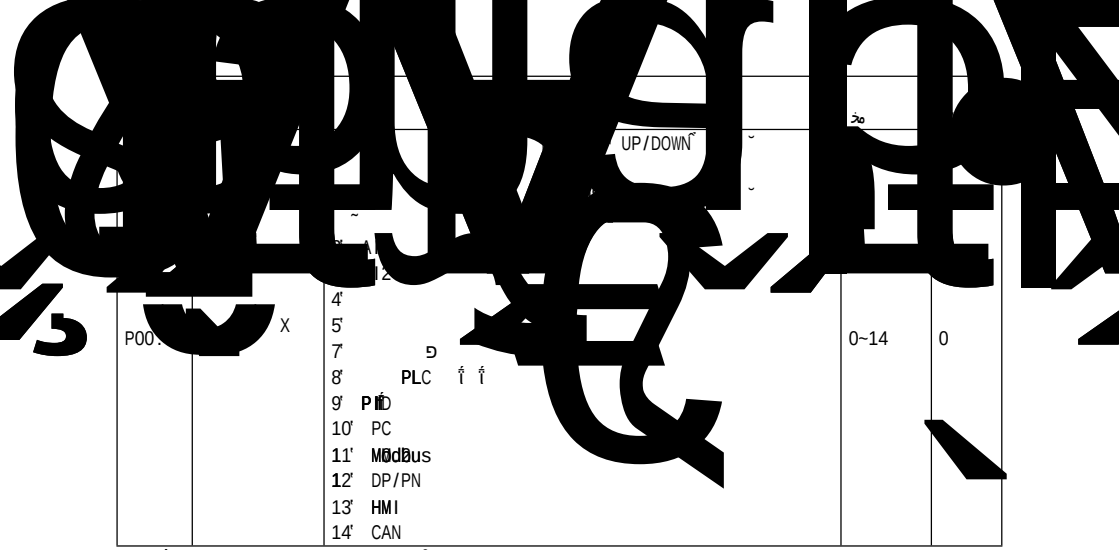


		UP/DOWN		
P00.	X	4' 5' 7' Ɒ 8' PLC 9' PID 10' PC 11' Modbus 12' DP/PN 13' HMI 14' CAN	0~14	0

0' Δ ψ ч P00.08 Ľ Ŀ ψ Â˜ ǵ Ь η ˆ w˙ ˜
UP à DOWN˜ Ť Ť ᴝ ψ Â
Ť ᴝ U 'P ˘ ψ ч P00.08 Ľ Ŀ ψ Â
1' ˆ ˜
Δ ψ ч P00.08 Ľ Ŀ ψ Â˜ ǵ Ь η ˆ w˙ ˜
UP à DOWN˜ Ť Ť ᴝ ψ Â
Ť ᴝ U 'P ˘ ч ⊥ ˘ ǵ Ь η
˘ P00.23 ч Ľ Â Ŀ˘ P00.23 ɢ ض Ť ᴝ Â ˘
ќ Â P00.23 ˆ ⏚ Å 0.0 ќ ϒ ˘ Ь˙ ˜ Â
2' AI1
3' AI2
˜ ˘ ч 4mA~20mA ˜˘ ì Ţ AI1

h CAN Â
w O ز ٧
P00.08 0.00~ ^ P00.1

w	O		ﺥﻫ	ṿ
P00.21	ŋ ᵛ ᵗ Ẓ	0.00Hz~ P00.10	0.00Hz~P00.10	0.00Hz

w ⁷ ض ч h Â

ч h ˘ P00.21ƀ ч Ẓ ˘ ь h ŋ ᵛ ƀ ч ṿ , ą

ˆ ɣ ч Â

w	O		ﺥﻫ	ṿ
P00.22	ɒ №	2:0.01Hz	0~2	0.01Hz

ǎ ь ᵀ w № Â

w O ﺥﻫ ṿ

P00.23

w	O		ﺥ	ﻱ
P00.27	1ث ﻭ	ﷺ β' PC 0' 1' 2' AI1 3' AI2 4' 5' 6' PULSE ‖ ^ DI18˜ 8' PLC 9' PID A' PC B' Modbus C' DP/PN D' HMI E' CAN Ⅵ β' ث ﻭ 1 ^ 0~E˝ ﷺ β ˜ β' Modbus ^ 0~E˝ ﷺ β ˜ Ⅵ β' DP/PN ^ 0~E˝ ﷺ β ˜	0~E	H.0020

ﻱ 4 ث ﻭ ﻁ 15 ﻫ ˘ Ḃ ﷺ ® Â ﻱ:

Č ﻱ ﻁ ﻫ X P00.03 ﷺ˘ ǎ P00.03w Â

ﻁ ﷺ ث ﻭ ˆ ﷺ Â ث ﻭ ˘ ث ﻭ

˘ ₇ ﻇ Â

w

P01.17	□	0.01%~20	.01~200.00	ă
P01.18	□ ´	0.01%~200	0.01~200.00	ă
P01.20	□	0.01%~200.	0.01~200.00	ă

P01.06~P01.10 ă ˘ P01.16~ 20 □ ă ˘ ă

ŵ ˘ ĩ ֍ ˗ Â ì Ţ˘ G ˘ ľ Ŀ₇ P01.06 à

P01.08 ң ֎ ă ˘ ľ Ŀ ˆ ɣ 2 ˆ ɣ P01.10̋ ˜ ' G

□ ˘ ľ Ŀ₇ P01.16̃ ľ Ŀ ˆ ɣ P01.16 ˘ ˆ ɣ

P01.17~P01.20 ₃ ֎ ă Â

ﺵﺸﻲ ˘ ˆ ɣ ﺍ ﻟ ă ˘ ֍ w Â ﺵﺸﻲ˘

ľ Ŀ Â

w	O		ﺥﻫ	ų
P01.27	֍ Ⅱ ֎	1~65535	1~65535	1024

ABZ UVW ֍ Ⅱ Â

ﺽﻲ D ֍ Ŀ Ѝ˘ ֍ Ⅱ ˘ Ղ ↕ Ь Â

w	O		ﺥﻫ	ų
P01.30	ABZ ֍ AB	0̛ h 1' ǐ h	0~1	0

w ₇ ABZ ֍ ˘ G ABZ ֍ AB Ң̂ Â

w ﻍ □ ˘ ﺽﻲ ˘ ˆ ɣ ABZ ֍ AB Â

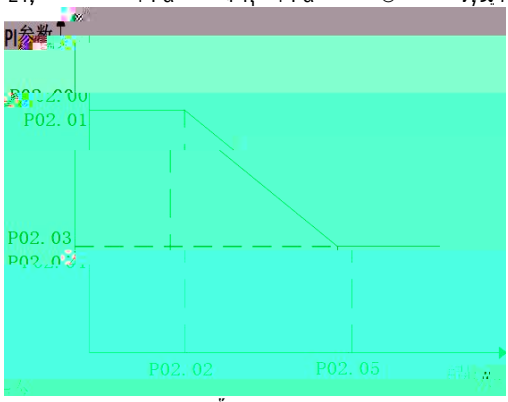
w	O		ﺥﻫ	ų
P01.36	֍ ĸ ų	0.0% Ь 0.0%~70.0%	0.0~70.0	5.0%

G ֍ ĸ ų˘ ч 0.0% ֍ Ⅱ ֎

P02.03	▫ 2	0.000~1.000	0.000~1.000	0.015
P02.04	№ 2	0.000~65.535	0.000~65.535	0.025
P02.05	Ⓟ 2	P02.02~P00.10	P02.02~P00.10	10.00
P02.08	kf	0.01~1.00	0.01~1.00	1.00

Ĭ ↄ ضب □ ЙЎ˘ ˆ Ү Ь □ PI ă Â ɢ Ⓟ 1ˆ P02.02˜ ,
PI ă ч P02.00 ė P02.01 Â ɢ Ⓟ 2 ˘ PI ă ч P02.03 ė P03.04 Â

Ⓟ 1 ė Ⓟ 2 ң PI ă ˘ ч ң PI ă Ⓟ ˘ Ўұ 7-2 '



ұ 7-2 PI ă ұ

ↄ ▫ ė № ˘ ˆ Ү L ˫ ŭ Â
ѵ ▫ ˘ ⋮ № ˘ ڜ ѵ ˫ ŭ Â p ▫ №
ڜ ą Â ч'
Ŧ ∧ ă Ь ˘ ↕ ض ų ă ⁘ ˘ ѽ ▫ ˘ Ğ Ь
' U ⋮ № ˘ ą ŭ ˘ ĭ Â
' PI ă Ь ˘ ˆ Ψ Â ض ڜ ▪ ∧ Â

w	O		ڜ	ų
P02.09	L ˫ ⁘	0' P02.10 1' AI1 2' AI2 3' 5' 6' MIN˜ AI1˘ AI2˜ 7' MAX˜ AI1˘ AI2˜ 8'	0~8	0
P02.10	L ˫ ⁘	0.0%~300.0%	0.0~300.0	120.0%
P02.12	L L˫ ⁘	0.0%~150.0%	0.0~150.0	1.0%

ض L ЙЎ˘ Ĭ ↄ Ŧ ų˘ ⁘ L Â P02.09 à P02.10 ч ˫
⁘ ˘ ∧ ˫ ⁘ ' P02.12 ч L˫ ˘ ⁘ ˘ ∧ Ű ⁘
˘ ˘ ≠ ɢ Ĭ ↄ ⋮ L˫ ˘ p ˆ Ĭ ↄ w ∧ "Ң ∧ Â
P02.09 ɢ ⁘ ˘ à ˘ 100% P02.10˜
P02.10 100% ч Â

w	O		ڜ	ų
P02.13	▫	0.00~5.00	0.00~5.00	0.50
P02.14	№	0.0~6000.0	0.0~6000.0	25.0

L PI ă ˘ ă ѿ Ь ќ Â
˘ № ↄ˜ Ь № Ђ ч ˘ № Â

PI ˘ ˜ ¢ L ˘ ˛ ˘ ˜ Y

˛ ⁞ PI D № Â

W	O			V
P02.23	D	0.00~10.00	0.00~10.00	1.72
P02.24	№	0.0~1200.0	0.0~1200.0	2.0
P02.25		0.0000~6.5535	0.0000~6.5535	0.0300
P02.26	V	0.000~10.000PU	0.000~10.000	1.000
P02.27	تجد	0.0~5.0s	0.0~5.0	0.5

L PI ă ˘ ă W Ь k Â

ض : □ L ˘ W ₣ ˛ ˘ ⁞ P02.24 № Â

P02.26 V˘ V Ч ⁄ / ˘ ă W Ь ˘ ė ˘ ˜ ă Â ˘ ă 1.000 , G ˘ G : ˘ Ů شخ Â

7.4. P04 ˜

Ї ح 24 ¢ W ~ ˘ ~ ₣ ˘ ↕ ˜ PLC تجد Â

W	O	V
P04.00	DI1 W	1031 Å˜
P04.01	DI2 W	1020 غ ضر Ⓟ ˜
P04.02	DI3 W	3 L ˜
P04.03	DI4 W	3
P04.04	DI5 W	3
P04.05	DI6 W	3
P04.06	DI7 W	0
P04.07	DI8 W	1
P04.08	DI9 W	2
P04.09	DI10 W	L1˜
P04.10	DI11 W	˜

D Ї ⁄ ح Ḥ ˜ ˜ ˜

41 1 ¨ 4 ¢ ˘ ă п ◊ ∧ ↕ ® ˘ ◊ ˘ ® ⌠ 1 ă Â

42 2 ¨ 4 ¢ ˘ ă п ◊ ∧ ↕ ® ˘ ◊ ˘ ® ⌠ 2 ă

43 PID ă ® PID ă ® Â ˘ PID ă ą P10.05~P10.07 Â

44 Ч 1 Ч 1 ₹ 2 ˘ Ґ ㄱ №≠ ₹ W027 ₹ W028 Â

45 Ч 2

46 └ / └ ® ą Ґ ㄱ ض └ Ь └ ң ® Â

50 1 ㄱ / ₴ Ї ˘ Ґ ㄱ 1 ╠ ㄱ ™

51 1 ₹ ㄱ / ₴ Ї ˘ Ґ ㄱ 1 U ㄱ ™

52 1 ㄱ / ₴ Ї ˘ 1 ㄱ ™ Â

53 Ґ ㄱ Ї ˘ G □ ® 1 Ґ ㄱ ™ Â

54 ㄱ Ї ˘ G □ ® 1 ㄱ ™ Â

56 : ˘ : ‰ Â

57 : ˘ : Ŭ ˘ Ґ ㄱ ₹ E054 Â

58 2 ˆ FWD ˜

59 Ї 2 ˆ REV ˜ └ Ґ ㄱ Ь Ї Â G 2 Â

60 2 G 2 Â Ґ ㄱ └ Â ' ă w P04.73 ˆ Ґ ث Ɒ Ŀ ˜ Â

61 ˜ Ң ث Ɒ U ˘ Ґ ㄱ ˜ Ң ˘ Â G ˜ Ң Ґ ㄱ Â ~ ₰ Ƽ Ѽ

63 Ї

83 פ ˩ ˘ ٹ ℗ ˀ ɨ́ ك ч ˘ ℗

85 Ǐ ℗ פ ˩ ˘ ٹ Â ˩ ℗ Â

86 2 ɨ́ ₮ ⁄ U˘ 2 Ƨ˘

87 3 ɨ́ ₮ U˘ ⌠ 3 Ƨ˘ Â

88 4 ɨ́ ك ɬ U˘ ⌠ 4 Ƨ˘ ₮ Â

89 5 ɨ́ ك ɬ U˘ ⌠ 5 Ƨ˘ ₮ Â

90 6 ɨ́ ك ɬ U˘ ⌠ 6 Ƨ˘ ₮ Â

91 7 ɨ́ ك ɬ U˘ ⌠ 7 Ƨ˘ ₮ Â

92 Ḥ№ ٹ פ ˘ ɨ́ ك Ḥ ˀ ك˘ ɿ˘ ɢ Ḥw ɨ́ ك Â

93 3 ‶ 4 ɷ˘ ᾅ п ῼ ɬ ↕ ℗ ˘ ῼ ˘ ℗ ⌠ 3 ᾅ

94 4 ‶ 4 ɷ˘ ᾅ п ῼ ɬ ↕ ℗ ˘ ῼ ˘ ℗ ⌠ 4 ᾅ

95 ɨ́ ك 2 ɨ̈ ˘ 2 ɨ́ ك Â
96 ك 2 ɨ̈ ˘ ɢ ℗ 2 ك Â
97 ɨ́ ك 3 ɨ̈ ˘ 3 ɨ́ ك Â
98 ك 3 ɨ̈ ˘ ɢ ℗ 3 ك Â
99 ɨ́ ك 4 ɨ̈ ˘ 4 ɨ́ ك Â
100 ك 4 ɨ̈ ˘ ɢ ℗ 4 ك Â
101 Ƨ 1 Ƨ˩ ˘ 1 Ƨ˩ 1 Â
102 Ƨ 2 Ƨ˩ ˘ 2 Ƨ˩ 2 Â
103 Ƨ 3 Ƨ˩ ˘ 3 Ƨ˩ 3 Â
104 Ƨ 4 Ƨ˩ ˘ 4 Ƨ˩ 4 Â
105 Ƨ 1 Ả ˘ 1 Ả Â
106 Ƨ 2 Ả ˘ 2 Ả Â
107 Ƨ 3 Ả ˘ 3 Ả Â
108 Ƨ 4 Ả ˘ 4 Ả Â

110 1 ɨ́ ч Ḥ ˘ ˘ ˩ ك ġ ₮ ك щ ˩ Â ü Â

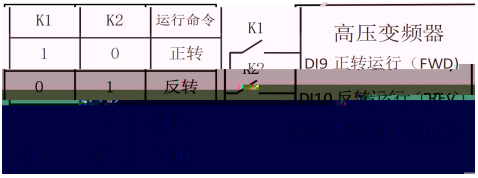
111 2 ɨ́ ɣ Ǐ ɰ ч Ḥ ˘ ˘ ˩ 2

		ǐ ˘ ˆ ↙ ↑ β ʔ ض ڃ / ƨ ǐ Â Â

dz ɒ w

4 ɷ ɒ ˘ ˆ ɣ ˬ ч 16 ˘ 16 ɷ 16 ɷ ɒ ẏ Â ǐ ɾ Йɻ ˆ ↓ ₹ ╠8 ˬ ˜ '

K4	K3	K2	K1	ɒ	ǎ
0FF	0FF	0FF	0FF	ɒ 0	P12.00
0FF	0FF	0FF	0N	ɒ 1	P12.01
0FF	0FF	0N	0FF	ɒ 2	P12.02



ﾈ 7-3 Ң 1

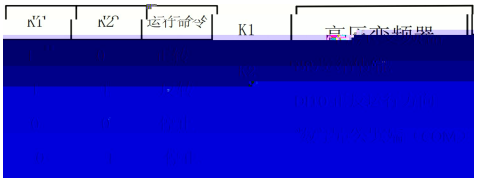
ﾈ 7-3 ˇ L ЙҖ K1 ˇ Ғ ҁ ÂK2 Ғ ˇ K1 à K2 Ғ

ˇ Ғ ҁ Å Â

1' Ң 2ˇ DI9 w ч ą ˇ DI10 w h Â ү 1

ﾀ ﾅ 1 ч ﾀˇ w ЙҖ'

w	O	ү	w
P04.73	ﾀ ﾅ	H.x1	Ң 2
P04.08	DI9 w	1	^ FWDˇ
P04.09	DI10 w	2	ЇҒ ^ REVˇ



ﾈ 7-4 Ң 2

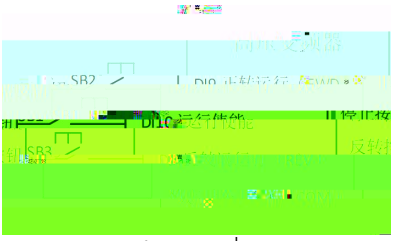
ﾈ 7-4 ˇ L ЙҖضK1 Ғ ЙҖ K2 Ғ ҁ ˇ K2 Ғ Ғ ҁ ЇҒ ÂK1

ˇ Ғ ҁ Å Â

2ˇ L 1ˇ DI10 ч ą ˇ DI9 à DI11 ═ à ЇҒ Â

ү 1 ﾀ ﾅ 1 ч ﾀˇ w ЙҖ'

w	O	ү	w
P04.73	ﾀ ﾅ	H.x2	1
P04.08	DI9 w	1	^ FWDˇ
P04.09	DI10 w	1003	L
P04.10	DI11 w	2	ЇҒ ^ REVˇ



ﾈ 7-5ˇ L 1

ﾈ 7-5 ˇ L ضSB1 ЙҖ ЙҖSB2 Ғ ҁ ˇ ЙҖSB3 Ғ

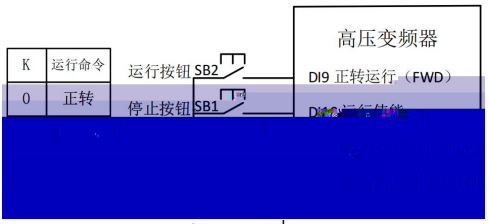
ҁ ЇҒ ˇ SB1 Ғ ҁ Å Â Ω ˇ ę Ţˇ Ğ SB1 ɢ ˇ SB2 à

SB3 ﾀ ﾅ ↕ ضˇ Ғ ˇ ƀ ч ˇ Ғ ҁ ү 3 ҂ U ˇ ƀ ч ‰ Â

3ˇ L 2ˇ DI10 ч ą ˇ ﾀ ﾅ DI9 ₹ˇ h DI11 ═ Â

w ЙҖ'

w	O	ү	w
P04.73	ﾀ ﾅ	H.x3	2
P04.08	DI9 w	1	ﾀ ﾅ
P04.09	DI10 w	1003	L
P04.10	DI11 w	2	ЇҒ h



7-6

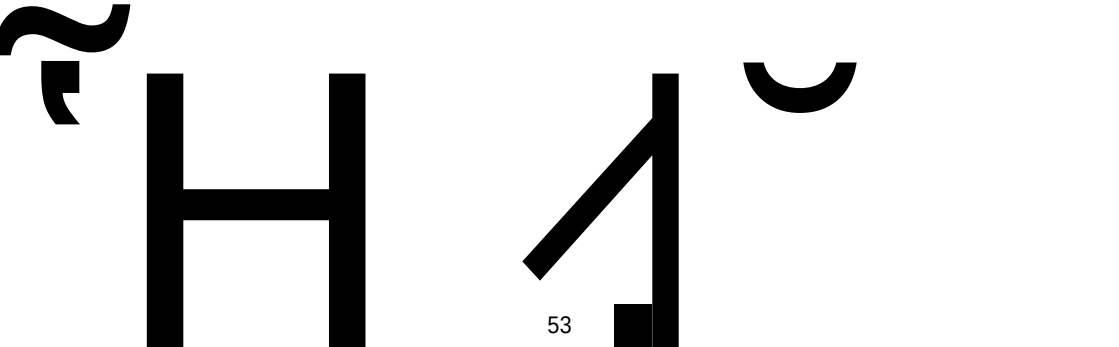
2

7-6 SB1 SB2 K SB1 SB2

7.5. P05

34 PLC

P05.01	DO1	40
P05.02	DO2	1041
P05.03	DO3	62
P05.04~P05.05	DO4	~DO5
P05.06	DO6	0
P05.07~P05.09	DO7	41
P05.10		



˝ Â

69 Й ®

ON L ĩ ლ 3№ Â

98 ლ 3 ℠ ® Ţ˘ 3 ⁚ ® ˘ Ḥ˘ ₹ ON L

1′ h Ƹ̵
Ỉ ƻ ᷒ h ˘ ˈP γ ⌠ Ƹ̵ ˘ Ţ ‖ Đ ρ Ƹ̵ Â
2′ Ỉ h Ƹ̵
Ỉ ƻ ᷒ Ỉ h ˘ ˈP γ ⌠ Ƹ̵ ˘ Ţ ‖ Đ ρ Ƹ̵ Â
3′ Ỉ h Ƹ̵
Ỉ ƻ ᷒ h ˘ Ь ⌠˘ ˈP Ỉ h ˘ ˈP γ ⌠ Ƹ̵ ˘ Ţ ‖ Đ ρ Ƹ̵ Â
ˈP

w	O		ж	ỵ
P06.10	Å	0′ ⋮ Å 1′ Å	0~1	1

0′ ⋮ Å

Å ث ɒ U˘ Ǐ ڃ ⋮ ۷ ₣ ˘ ч U Å Â

1′ Å

Å ث ɒ U˘ Ǐ ڃ ۷ ₣˘ Å Â

w	O		ж	ỵ
P06.16	Ω˘	1.0%~50.0%	1.0~50.0	20.0%

Ω˘ Ω˘ ˘ Â

w	O		ж	ỵ
P06.17	Ω˘ ∜	0.01s~5.00s	0.01~5.00	3.00s

Ω˘ ˘ 1.05Ŏ ⌠ 0Hz Â

w	O		ж	ỵ
P06.18	Ω˘ ỵ	1.0%~		

Ω˘ ỵ Ω˘

w Â

ϖ ضر˘ ╟ ⌠

˘ ↕ P06.16 ˘ P06.18 Â

w	O			ỵ
P06.21	▯ Ⓟ β Ƶ	-90.0		2.0

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ч , ▯ Ⓟ β Ƶ ˘ Ǐ

w O ỵ

P06.22 ▯ Ⓟ β Ḡ ỵ 0.0~5

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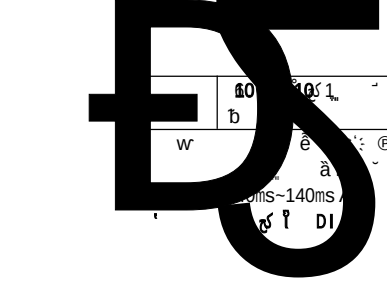
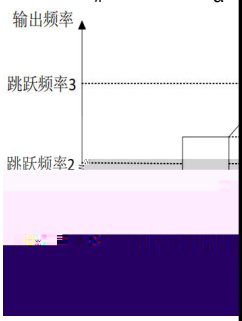
		P06.32~10'.000s	P06.32~10.000	0.100s



P08.69	3	0.00Hz~



7-8

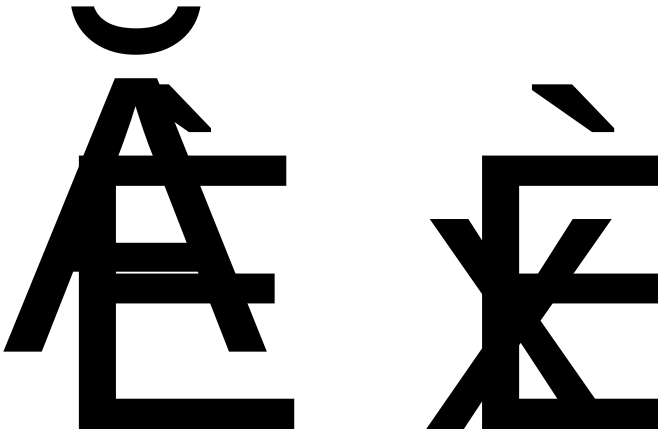
	O			
P08.13	L	0 1'		

P08.13=1

	O			
P08.14	G	0 1' 2'	0~2	0

	O			
P08.15	L	0.00Hz~10.00Hz	0.00~10.00	0.00Hz

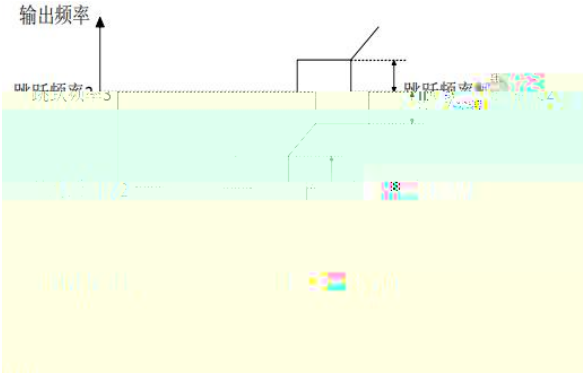
P08.19		0.00Hz~	0.00~	50.00Hz
P08.20		0.0%~100.0%	0.0~100.0	5.0%



W	O		ЭЮ	Y
P08.22	∀ ⋮ Ţ ∩	0′ 1′	0~1	0

W G ˘ ضي ∀ ⋮ Ţ˘ ∩ Â

Ч ˘ ضي ЭЮ ˘ Ψ Â

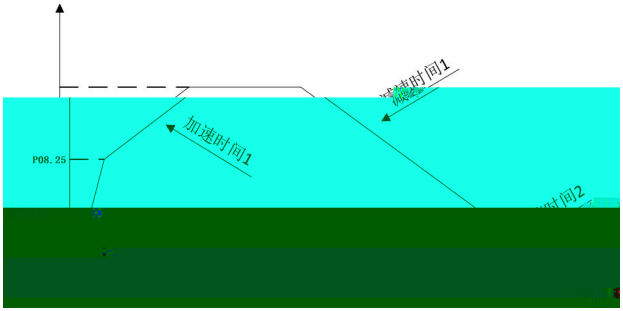


ЭЫ 7-12 ∀ ⋮ Ţ ЭЫ

W	O		ЭЮ	Y
P08.25	∀ 1Ь ∀ 2℗	0.00Hz~	0.00~	0.00Hz
P08.26	⋮ 1Ь ⋮ 2℗	0.00Hz~	0.00~	0.00Hz

W ضي Ч Ĩ˘ ғ DI ℗ ∀ ⋮ Â G ضي Ĩ˘ ڪ

Ţ˘ Ь DI ЭЮ˘ Ь □ ∀ ⋮ Â



ЭЫ 7-13 ∀ ⋮ ℗ ЭЫ

ЭЫ 7-13 Ч ∀ ⋮ ℗ ЭЫ Â ضي ∀ Ţ˘ G P08.25 ↕ ∀ 2′ G P08.25 ↕ ∀ 1′ Â

ضي ⋮ Ţ˘ G P08.26 ↕ ⋮ Ĩ˘ G P08.26 ↕ ⋮ 2′ Â

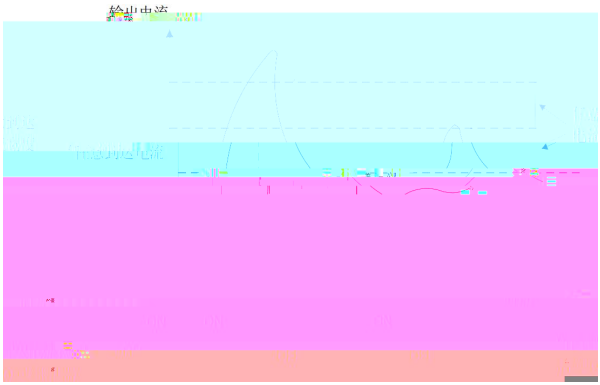
W	O		ЭЮ	Y
P08.27	˘ П ѽ	0′ 1′	0~1	0

ă G ˘ ∩ ˘ W П ѽ Â

˘ П ѽ ˘ Ţ ∓ ˘ ث ϽЬ˘ ↕ Ĩ ڪ ℗ Ч ˘ Â

W	O		ЭЮ	Y
P08.28	Y	0.00Hz~	0.00~	50.00Hz
P08.29	U Y	0.0~100.0%	0.0~100.0	5.0%

G ỵ^ P0



P08.52		0 1 2	0~2	0

P08.53	1	0~FFFF	0~FFFF	H.0011

BIT0		0 1
BIT3		0 1
BIT4		0 1
BIT5		0 1
BIT7	IO	0 E047 1 E047
BIT9		0 1
BIT11		0 HMI 1
BIT13		0: HMI 1

P08.54	2	0~FFFF	0~FFFF	H.0000

BIT0	U	0 1 P06.00
BIT6	Modbus PROFIBUS	0 -30000~30000 1 -10000~10000

P08.55	∞	50~100%	50~100	80%

	O			
P08.57	w	0~H.FF12	0~H.FF12	H.0000

P08.57

0

1

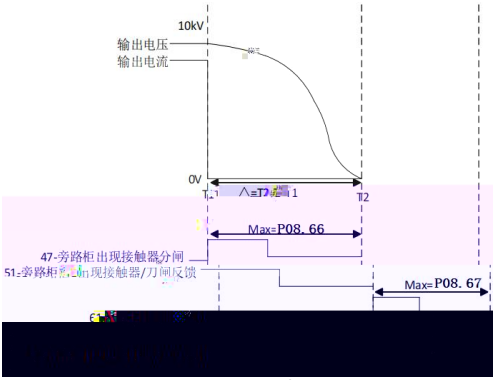
2

	O			
P08.58		30~3600s	30~3600	300s

O

P08.59		0.00~10.00	0.00

DCS Ḡ ' ∞ ᵛᵘ ˇ W 61- ˗ Ⓟ Ḥ ₹
⌈ DCS P08.67 G ᵛᵘ ˜Ḥ Ḥ Â
' ˇ ₣ Ь˜Ḥ Å ˇ ˆ P08.66 ˇ Ɣ
˜ Â

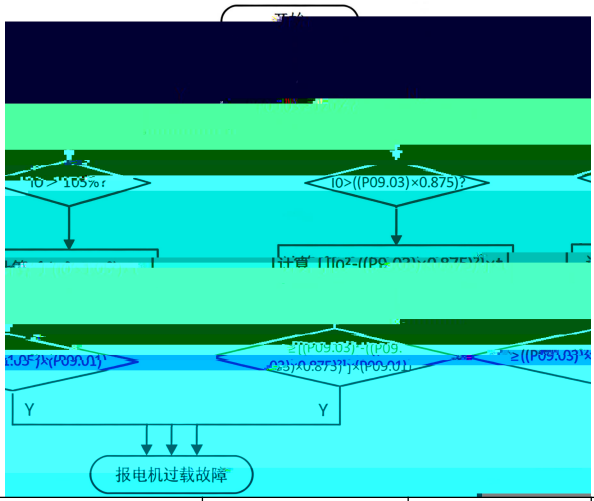


ⵚ 7-16 ˗ Ⓟ Ḥ

7.9. P09 Ḡ ǎ

W	O		ⵚ	Ɣ
P09.00	Ð Ḡ	Ơ 1' Ỉ	0~1	1
P09.01		0.01~600.00s	0.01~600.00	60.00s

P09.00=Ơ Ḡ W ˇ ˆ ضِ ⵛ ˥ Â
P09.00=1' Ỉ ⵛ Ḡ Ỉ ˇ ∞ ϽⅠ Â
Ḡ ⵚ Ч'



W	O		ⵚ	Ɣ
P09.02		50%~100%	50~100	80%

W G ضِ dž ظ

P09.06		0.0~200.0%	0.0~200.0	125.0%

P09.08		0.1~1000.0h	0.1~1000.0	1.0h
P09.09		0~20	0~20	3
P09.10			0~1	0
P09.11		0.1~100.0s	0.1~100.0	2.0s
P09.79			0~1	0

₣ Ẓ ₣ ۱ № ˇ ₣ ۱ № P09.28 ₶ 500ms ₣

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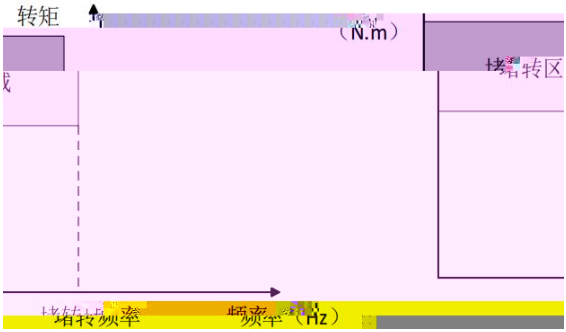
ẘ	O		ۻ	Ṿ
P09.30	ỉ ڜ	0.0~180.0%ˆ 100.0% ٹ ỉ ڜ ₣ ~	0.0~180.0	150.0%

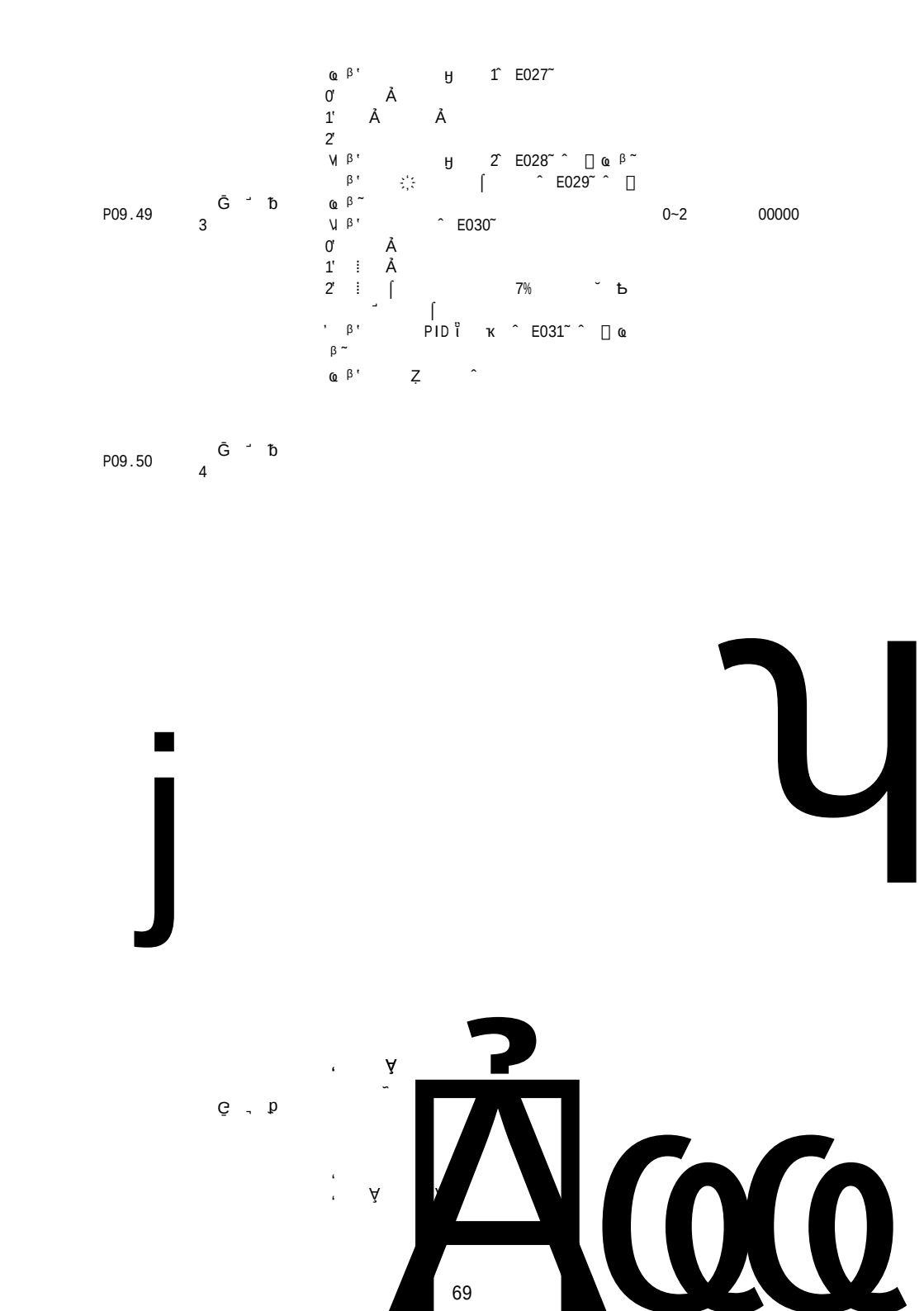
ضِ ỉ ڜ Ţ˘ ₣ Ṿ ^ ỉ ڜ ₣ ẘ Ṿ˜ ₣



7-18

P09.40

P09.31



P09.49 3 0~2 00000

P09.50 4

P09.70	Ẓ	0.0~60.0s	0.0~60.0	0.0s

Ấ ڜ ضِ D ڜ L ˘ ⌠ ỉ Ь ₮ Ẓ ˘ Ẓ

G Ẓ ỵ P09.69ᵀ ғ G Ẓ P09.70 ˘ Ấ ڜ /

E042- Ẓ ˘ Ḡ ˫ ƀ Â Ẓ ч0.0s ˘ ᵀ Ẓ

Â

ƒ Ấ ڜ ضِ D ڜ L ˘ ⌠ ỉ Ь Ь □ ˘ ғ

G Ẓ P09.70 ˘ Ấ ڜ / E042- Ẓ ˘ Ḡ ˫ ƀ

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P09.71 ᵀ 0~36000s 0~ḞO$ ₥ "

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ˆ 1.5,1.65˜	20s
1.65Ô ¼,‘:	5s

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BIT2' ₣ ⁄ ˇ ๅ ч E018- Â

BIT3' ∤ └w ĩ ض ⁞ Ţˇ ч w ∤ ″Ḥ ∤ˇ ∤ └w Â

w ˚ ˜ ˚˚ ∤ ″Ḥ ∤ E066 Â

BIT4' ~ ĩ ض Ţˇ ˩ ~ ˇ ´ ˆˆˆ

~ ∤ RST ɇ ч RT ~ Â

BIT5' Ĩ ∤ ض ą ˇˇ ĩ ض Å ˇ ~ ĩ ض

~ 30% ғ 10sˇ ↕ E035- Ĩ ∤ ض ˇ ч ∤ Â

w O

P10.02	PID ĩ	0ʹ AI1 1ʹ AI2 2ʹ 3ʹ AI1~AI2 5ʹ 6ʹ AI1+AI2 7ʹ MAX˜ |AI1|˜ |AI2|˜ 8ʹ MIN˜ |AI1|˜ |AI2|˜ 9ʹ	0~9	0

ǎ ɢ PID ĩ Ḥ˝ Â

PID ĩ Ӟ ч ẏ˘ ɔ‰ ч 0.0%~100.0% Â

ẉ	O		ɔ‰	ẏ
P10.03	PIDƀ h	0ʹ ƀ 1ʹ ĩ ƀ	0~1	0

ƀ ' PID ĩ Ḥ˝ ɢ ɔ‰ ŧ ɸ ŧ

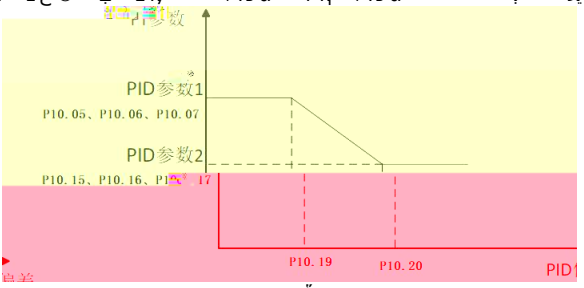
PID Ü Í ˇ PID Ų Í Í ˇ ∨ Ü Í
Ь ≠ ǰ Â

W	O		ж	Ų
P10.12	PID Ĭ	0.00~60.00s	0.00~60.00	0.00s
P10.13	PID ₣	0.00~60.00s	0.00~60.00	0.00s

P10.12 G PID Ĭ ˇ ≠ G ∨ Ĭ ǰˇ p Ψ
ǰ Ӣ Â
P10.13 G PID ₣ ˇ Ψ Í ϛ ₣ Íˇ p Ψ
ǰ Ӣ Â

W	O		ж	Ų
P10.15	ᴅ Kp2	0.0~100.0	0.0~100.0	20.0
P10.16	№ Ti2	0.01~10.00s	0.01~10.00	2.00s
P10.17	№ Td2	0.00~10.000	0.00~10.000	0.000s
P10.18	PIDă Ⓟ Ð	0ʹ Ь Ⓟ 1ʹ DI Ⓟ 2ʹ Ƶ ˩ Ⓟ	0~2	0
P10.19	PIDă Ⓟ Ƶ 1	0.0%~P10.20	0.0~P10.20	20.0%
P10.20	PIDă Ⓟ Ƶ 2	P10.19~100.0%	P10.19~100.0	80.0%

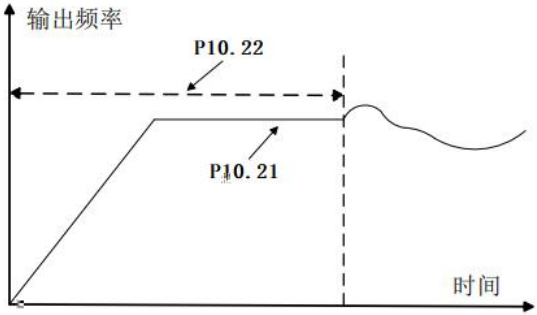
ضِ ' ِشّ ˇ Ѿ PIDă Ь ¢ ˇ Ь ' Ӣ Ь PIDă
Â
W G Ң PIDă Ⓟ Â ỉ Ţ ϛ ă P10.15~P10.17 ˇ Ь ă
P10.05~P10.07 ³ Â
Ң PIDă ˜ Ү W DI Ⓟ ˇ З˜ Ү PID Ƶ ˩ Ⓟ Â
Ч W DI Ⓟ ˇ W W Ч43˜ PIDă Ⓟ ~ ˇ
ă 1˜ P10.05~P10.07˜ ˇ ă 2˜ P10.15~P10.17˜ Â
Ч ˩ Ⓟ ˇ Ь Ĭ Ң Ƶ Ų G PIDă Ⓟ Ƶ 1P10.19 ˇ PIDă ă
1Â Ь Ĭ Ң Ƶ Ų G PIDⓅ Ƶ 2P10.20 ˇ PIDă ă 2Â Ь Ĭ Ң
Ƶ G Ⓟ Ƶ 1ȼ Ⓟ Ƶ 2Ң ˇ PIDă Ч Ң PIDă Ųˇ ъ 7-20 Â



ъ 7-20 PIDă Ⓟ

W	O		ж	Ų
P10.21	PIDΔ Ų	0.0~100.0%	0.0~100.0	0.0%
P10.22	PIDΔ Ų Ğ	0.00~650.00s	0.00~650.00	0.00s

Ĭ ϛ Ѯˇ ˇ PID ₣ ₰ Ч PIDΔ Ų P10.21ˇ PIDΔ Ų Ğ P10.22Uˇ PID
Â ъ 7-21 Ч PIDΔ Ų W ъ Â



ぇ 7-21 PIDΔ ỵ w ぇ

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P11.03	Ж	ﻓﻤﻢ
P11.04	И ^ Ш ~	ﻓﻤﻢ

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W	O	
P11.05	И ^ Ш ~	Ш
P11.06	И ^ Ш ~ ₹	Ш ₹
P11.07	И ^ Ш ~ ₹ ﾉ	Ш ₹ ﾉ
P11.08	И ^ Ш ~ ~	Ш ~
P11.09	И ^ Ш ~ ~ ﾉ	Ш ~ ﾉ
P11.10	И ^ Ш ~ Ї ҫ	Ш Ї ҫ
P11.11	И ^ Ш ~ Ḥ	Ш Ḥ
P11.15	Ж	□P11.05~P11.11
P11.16	Ж ₹	
P11.17	Ж ₹ ﾉ	
P11.18	Ж ~	
P11.19	Ж ~ ﾉ	
P11.20	Ж Ї ҫ	
P11.21	Ж Ḥ	
P11.25	ђ	□P11.05~P11.11
P11.26	ђ ₹	
P11.27	ђ ₹ ﾉ	
P11.28	ђ ~	
P11.29	ђ ~ ﾉ	
P11.30	ђ Ї ҫ	
P11.31	ђ Ḥ	
P11.35	≠	□P11.05~P11.11
P11.36	≠ ₹	
P11.37	≠ ₹ ﾉ	
P11.38	≠ ~	
P11.39	≠ ~ ﾉ	
P11.40	≠ Ї ҫ	
P11.41	≠ Ḥ	
P11.45	Ѓ	□P11.05~P11.11
P11.46	Ѓ ₹	
P11.47	Ѓ ₹ ﾉ	
P11.48	Ѓ ~	
P11.49	Ѓ ~ ﾉ	
P11.50	Ѓ Ї ҫ	
P11.51	Ѓ Ḥ	
P11.55	Л ﻓﻤﻢ	Л ﻓﻤﻢ ˆ 0~199 ˜
P11.56	Л Ḥ	
P11.57	ﺿﻤﻪ ﻓﻤﻢ	□P11.55
P11.58	ﺿﻤﻪ Ḥ	
P11.59	ﻓﻤﻢ	□P11.55
P11.60	Ḥ	
P11.61	Ԋ ﻓﻤﻢ	□P11.55
P11.62	Ԋ Ḥ	
P11.63	Ш ﻓﻤﻢ	□P11.55
P11.64	Ш Ḥ	

w	O		ж	ỵ
P12.00	Ɒ 0	-100.0~100.0%	-100.0~100.0	0.0%
P12.01	Ɒ 1	-100.0~100.0%	-100.0~100.0	0.0%
P12.02	Ɒ 2	-100.0~100.0%	-100.0~100.0	0.0%
P12.03	Ɒ 3	-100.0~100.0%	-100.0~100.0	0.0%
P12.04	Ɒ 4	-100.0~100.0%	-100.0~100.0	0.0%
P12.05	Ɒ 5	-100.0~100.0%	-100.0~100.0	0.0%
P12.06	Ɒ 6	-100.0~100.0%	-100.0~100.0	0.0%
P12.07	Ɒ 7	-100.0~100.0%	-100.0~100.0	0.0%
P12.08	Ɒ 8	-100.0~100.0%	-100.0~100.0	0.0%
P12.09	Ɒ 9	-100.0~100.0%	-100.0~100.0	0.0%
P12.10	Ɒ 10	-100.0~100.0%	-100.0~100.0	0.0%
P12.11	Ɒ 11	-100.0~100.0%	-100.0~100.0	0.0%
P12.12	Ɒ 12	-100.0~100.0%	-100.0~100.0	0.0%
P12.13	Ɒ 13	-100.0~100.0%	-100.0~100.0	0.0%
P12.14	Ɒ 14	-100.0~100.0%	-100.0~100.0	0.0%
P12.15	Ɒ 15	-100.0~100.0%	-100.0~100.0	0.0%

w	O		ж	ỵ
P12.16	PLC	0' nł ↑' Å 1' ч ⱥ ⱨ " ỵ m0~2 Oy · n 0 2' ₩		Oy ʏ Oy

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P12.17	PLC	¢ β' 0' Ь 1' Ч β' Å 0' Å Ь 1' Å	00~11	00

PLC ╠PLC Ї˘ ЙỊ ⁘ ɾ Â
Ь ˘ ↕ ⁘ PLC Â
PLCÅ Å ╠W PLC Ї˘ ЙỊ ɾ Â
Ь ˘ ↕ Ø˘ PLC Â

w	O		ъ	ỵ
P12.18	PLC 0	0~6500.0s	0~6500.0	0.0s
P12.19	PLC 0 ѵ ⁞	0~3s	0~3	0s
P12.20	PLC 1	0~6500.0s	0~6500.0	0.0s
P12.21	PLC 1 ѵ ⁞	0~3s	0~3	0s
P12.22	PLC 2	0~6500.0s	0~6500.0	0.0s
P12.23	PLC 2 ѵ ⁞	0~3s	0~3	0s
P12.24	PLC 3	0~6500.0s	0~6500.0	0.0s
P12.25	PLC 3 ѵ ⁞	0~3s	0~3	0s
P12.26	PLC 4	0~6500.0s	0~6500.0	0.0s
P12.27	PLC 4 ѵ ⁞	0~3s	0~3	0s
P12.28	PLC 5	0~6500.0s	0~6500.0	0.0s
P12.29	PLC 5 ѵ ⁞	0~3s	0~3	0s
P12.30	PLC 6	0~6500.0s	0~6500.0	0.0s
P12.31	PLC 6 ѵ ⁞	0~3s	0~3	0s
P12.32	PLC 7	0~6500.0s	0~6500.0	0.0s
P12.33	PLC 7 ѵ ⁞	0~3s	0~3	0s
P12.34	PLC 8	0~6500.0s	0~6500.0	0.0s
P12.35	PLC 8 ѵ ⁞	0~3s	0~3	0s
P12.36	PLC 9	0~6500.0s	0~6500.0	0.0s
P12.37	PLC 9 ѵ ⁞	0~3s	0~3	0s
P12.38	PLC 10	0~6500.0s	0~6500.0	0.0s
P12.39	PLC 10 ѵ ⁞	0~3s	0~3	0s
P12.40	PLC 11	0~6500.0s	0~6500.0	0.0s
P12.41	PLC 11 ѵ ⁞	0~3s	0~3	0s
P12.42	PLC 12	0~6500.0s	0~6500.0	0.0s
P12.43	PLC 12 ѵ ⁞	0~3s	0~3	0s
P12.44	PLC 13	0~6500.0s	0~6500.0	0.0s
P12.45	PLC 13 ѵ ⁞	0~3s	0~3	0s
P12.46	PLC 14	0~6500.0s	0~6500.0	0.0s
P12.47	PLC 14 ѵ ⁞	0~3s	0~3	0s
P12.48	PLC 15	0~6500.0s	0~6500.0	0.0s
P12.49	PLC 15 ѵ ⁞	0~3s	0~3	0s
P12.50	PLC Ч β	0' S ~ 1' H ~	0~1	0

0 P12.00

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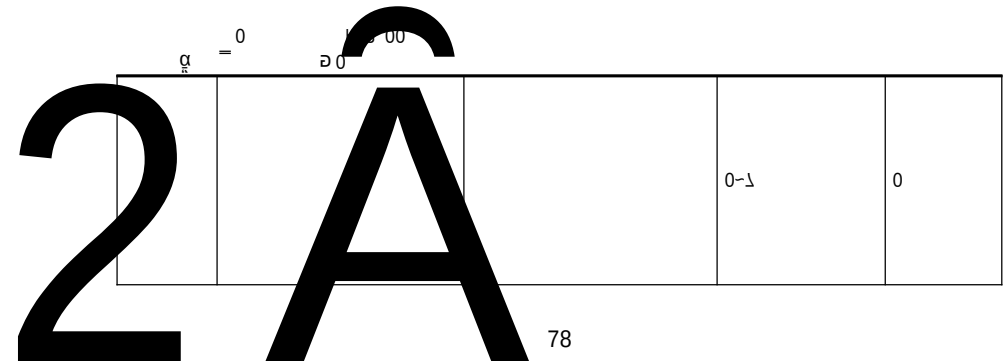

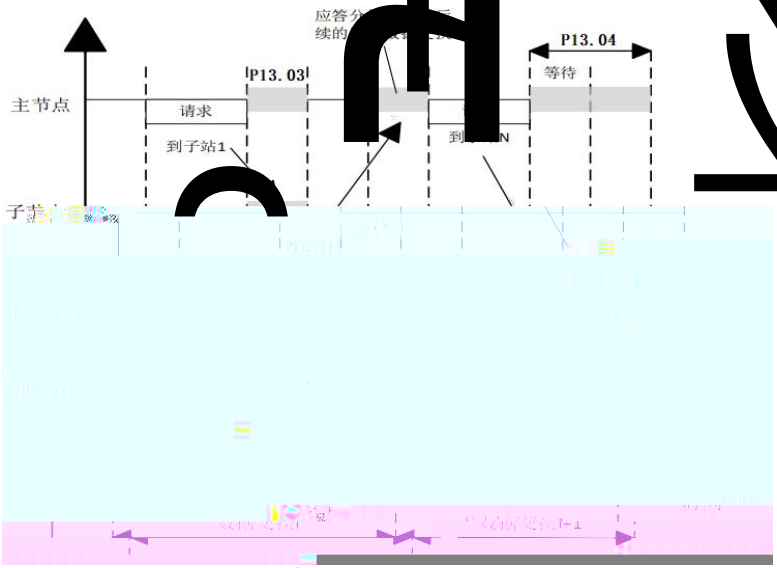

P13.04	MODBUS	0.0 ~ 0.1~60.0s	0.060.0	0.0s

P13.05		Modbus ‰ Modbus ‰ Modbus	0~1	0

‰Modbus

P13.08	Profibus	0.0 ~ 0.1s~60.0s	0.0~60.0	0.0s

DP/PN

7.14. P16

P16.00		0~65535	0~65535	0

P16.00

P16.01	ă Δ .	ơ Þ 1' ₣ ∧ ă ˘ Ь´ ă	0~1	0

1' ₣ ∧ ỵ˘ Ь´ ă

P16.01 ч 1 Ư˘ Ĩ ც w ă № ч ∧ ₣ ∧ ă ˘ p ă à

Ḥ à ^ P07.07˜ à ^ P07.06˜ à ^ P07.08 à P07.23˜ à P16

à ₣ ∧ ð ă ^ P22.08˜ Ь Â

7.15. P17 L ă

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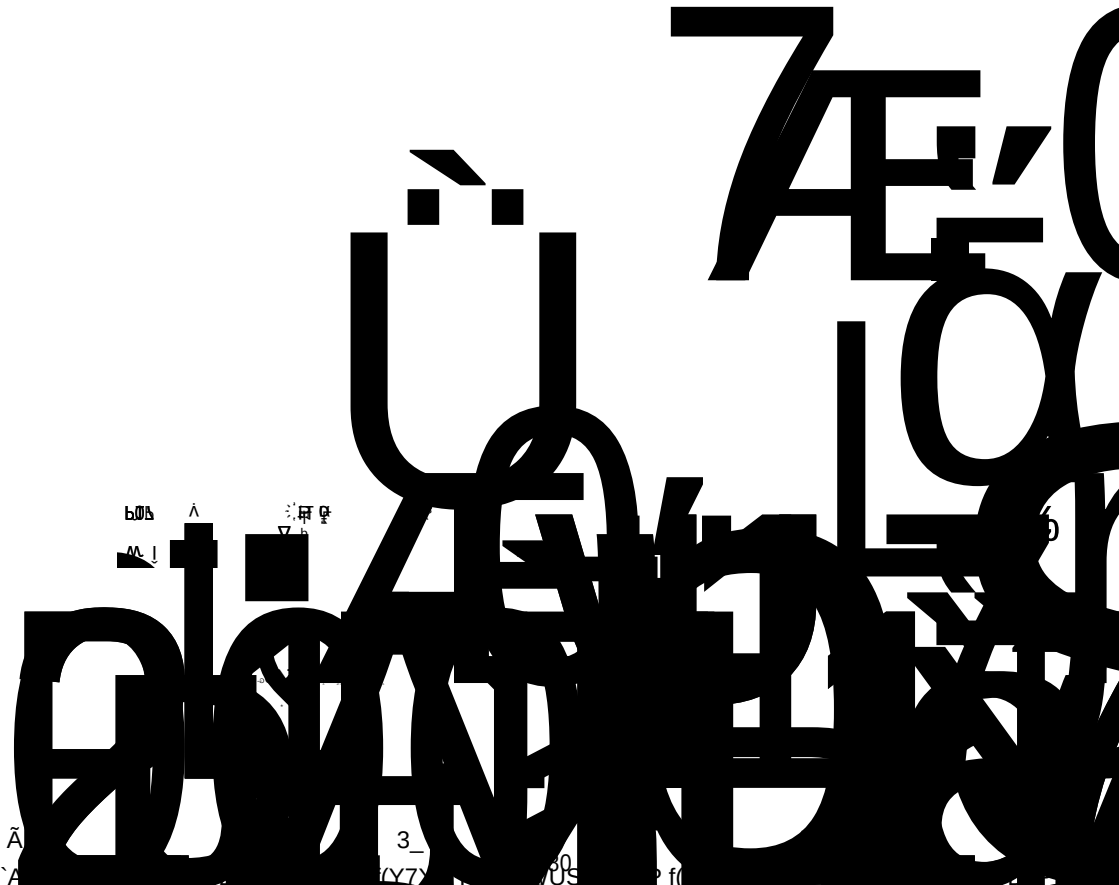
P17.00 / L



BIT15 : Â

P22.27		0.0~100.0 0.0	0.0~100.0	10.0
P22.28		0.0~100.0	0.0~100.0	5.0

P09.72BIT3 Â P

7.17. P23

P23.00	AI 1	0.00mA~P23.02	0.00~P23.02	4.00mA
P23.01	AI 1	-100.00~100.0%	-100.00~100.0	0.0%
P23.02	AI 1	P23.00~20.00mA	P23.00~20.00	20.00mA
P23.03	AI 1	-100.00~100.0%	-100.00~100.0	100.0%
P23.04	AI1	0.00~10.00s	0.00~10.00	0.10s
P23.05	AI 2	0.00mA~P23.07	0.00~P23.07	4.00mA
P23.06	AI 2	-100.00~100.0%	-100.00~100.0	0.0%
P23.07	AI 2	P23.00~20.00mA	P23.00~20.00	20.00mA
P23.08	AI 2	-100.00~100.0%	-100.00~100.0	100.0%
P23.09	AI2	0.00~10.00s	0.00~10.00	0.10s
P23.10	AI 3	0.00mA~P23.12	0.00~P23.12	4.00mA
P23.11	AI 3	-100.00~100.0%	-100.00~100.0	-100.0%
P23.12	AI 3	P23.10~20.00mA	P23.10~20.00	20.00mA
P23.13	AI 3	-100.00~100.0%	-100.00~100.0	100.0%

P23.02 P23.00

0.0% Â P23.11 -100.0% Â

AI

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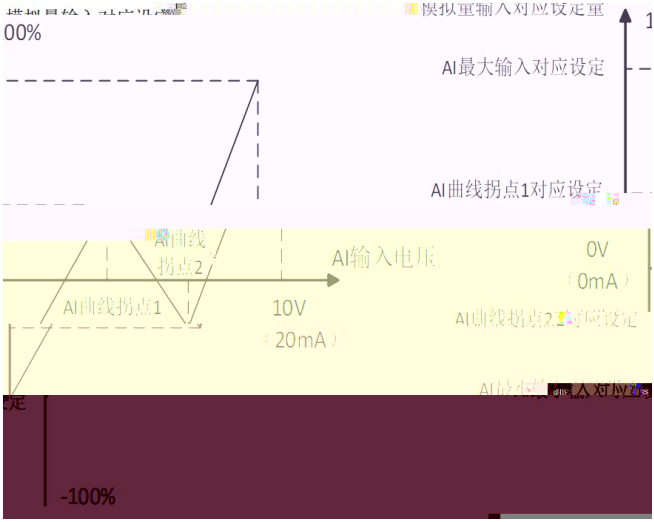
100.0%

7-24

7-24

P23.14	AI 4	0.00~P23.16	0.00~P23.16	4.00mA
P23.15	AI 4	-100.00~100.0%	-100.00~100.0	0.0%

P23.16	AI 4 1 ~	P23.14~P23.18	P23.14~P23.18	8.80mA
P23.17	AI 4 1 ~	-100.00~100.0%	-100.00~100.0	30.0%
P23.18	AI 4 2 ~	P23.16~P23.20	P23.16~P23.20	13.60mA
P23.19	AI 4 2 ~	-100.00~100.0%	-100.00~100.0	60.0%
P23.20	AI 4 ~	P23.18~20.0mA	P23.18~20.0	20.00mA
P23.21	AI 4 ~	-100.00~100.0%	-100.00~100.0	100.0%
P23.22	AI 5 ~	0.00~P23.24	0.00~P23.24	4.00mA
P23.23	AI 5 ~	-100.00~100.0%	-100.00~100.0	-100.0%
P23.24	AI 5 1 ~	P23.22~P23.26	P23.22~P23.26	9.60mA
P23.25	AI 5 1 ~	-100.00~100.0%	-100.00~100.0	-30.0%
P23.26	AI 5 2 ~	P23.24~P23.28	P23.24~P23.28	14.40mA
P23.27	AI 5 2 ~	-100.00~100.0%	-100.00~100.0	30.0%
P23.28	AI 5 ~	P23.26~20.00mA	P23.26~20.00	20.00mA
P23.29	AI 5 ~	-100.00~100.0%	-100.00~100.0	100.0%



ъ 7-25 ~ -AI ~ ∧

ъ ˘ AI 4 ɛ 5 ₣ ъ 1 ɛ 2' ą w ₹ ض AI ~ ų Â AI ~ ∧ˆ ~ à 1 ∧ˆ ~ à 2 ∧ˆ ~ à ∧ˆ ~ ш Â

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P23.30	AI1	-100.0~100.0%	-100.0~100.0	0.0%
P23.31	AI1	0.0~100.0%	0.0~100.0	0.5%
P23.32	AI2	-100.0~100.0%	-100.0~100.0	0.0%
P23.33	AI2	0.0~100.0%	0.0~100.0	0.5%
P23.34		-100.0~100.0%	-100.0~100.0	0.0%
P23.35		0.0~100.0%	0.0~100.0	0.5%
P23.36		-100.0~100.0%	-100.0~100.0	0.0%
P23.37		0.0~100.0%	0.0~100.0	0.5%

~ AI1~AI2' شش Ĭ ų w Â w ˘ ض

Й ч Ĭ ˘ ф ч ų Â

ᴅ ' AI1 ~ ٨ض5.00Ⱨ ; Й ˫ ˇ ˫ ﻍ ч 4.90-5.10˜ AI1 ~ 10.00V
100.0%˜ Ꮋ ⌠ AI1 ض49.0%-51.0% ң ˫ Â AI1 ч 50.0%˜ AI1
ч 1.0%˜ ⁝ ; AI1 ~ w U˘ ⌠ AI1 ~ ﻩ ч 50.0%˜ AI1
Ỉ ч ₩ ⓠ ~˘ ↻ ˫ Â

w	O		ﻍ	Ỵ
		ⓠ β ' AI1 Ⅵ β ' AI2 β ' Ⅵ β '		
P23.48	AI 1	1' 1 2' 2 3' 3 4' 4 5' 5	1~5	1111

≠ P26.14 AI1 ⌡ AI2 ~ ˘ Ỉ ᵣ 1-5˜ ɣ P23.01 ⌡ P23.29 Â

P23.65	A03 Ẓ	100 -100.0%	-100.0~+100.0	20.0%
P23.66	A03	10.00 0.00	-10.00~+10.00	0.80
P23.67	A04 Ẓ	100.0~ .0%	-100.0~+100.0	20.0%
P23.68	A04	10.00~+1	-10.00~+10.00	0.80

ⵘ W W̄ G Ḱ ₣ ₣ V Ỵ G Ꮋ A0 ₣ Â

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Ỉ Ţ˘ A01 à A02 à A03 à A04 Ẓ 100% ‰ ₣ ض Ẓ ǐ ḱ Ӆ˘

₣ 0mA~20mA ₣ Â

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P23.90	AI	ɷ β' AI1 BITƠ BIT1' AI1 Ḥ̂ Ḡ Ⴘ β' AI2 BITƠ BIT1' AI2 Ḥ̂ Ḡ β' Ⴑ β'	Ơ Ь Ḡ 1' Ḡ	2222

P23.90W ˜ Ỵ AI1 ⌠ AI2 ɷ ~ ض ˘ W̄ β

Ч Ĭ 2 Ł ↕ Ḡ W Ω Â Ŭ AI Ỵ Ӆ Ỵ ↕ ∞ ╠AI

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7.18. P24 ж

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P25.21	ɾ	1~8	1~8	1

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w	O		ж	ų
P25.22	ɾ	BIT0~7' ɾ 1~8 ą BIT8~16' ɾ 1~8 ą 0' Ь ' 1'	0x0000~0xFFFF	0
P25.23	ɾ Ḡ ˉ ƀ	BIT0~7 ɾ Ḡ ˉ ƀ BIT8~15' Ḡ 0' ' 1' ҏ	0x0000~0xFFFF	0

h ɾ └ ˘ ˜ β P25.22w ∨ 8 β˘ №≠ 1~8˜ ɾ Ḥ ė ɾ ˆ h ă ˜ ˘ №≠ 1˜ ɾ ė 2˜ ɾ ˘ ↕ β 0x01 , ∨ β 0x02 ⌠ h w P25.22 ч 0x0102 Â P25.23˜ ɣ β 1~8˜ ɾ Ů Ḡ ˉ ƀ˘ 0 ч ˘ 1 ч ҏ ˘ ч 0 ˘ 3˜ ɾ ⌠ ˘ Ь ҏ ˘ ↕ BIT2 ч 1 ↓˜ ˘ P25.23 ч 0x04 Â h ɾ └ ˘ ₇ h à ɾ P13.00 Ⴓ β --CANlink ₩ ˘ ضP25.01№ h ɾ ضخ˘ ˜ ɣ h ɾ ҥ ˜ ˘ ɾ 'P ث Ɒ à ↓˜ h Ⓠ Å ث Ɒ˘ ˘ ˘ ɣ ĭ h ˘ Ḃ Â ɣ ₩ h ₩ ɾ ч ᵽ˘ ҥ˜ ĭ ڪ CANlink ч 500k˘ 'P h P25.01 ч 1˘ ɾ P25.01 2˜ Ⓠ˘ h ˘ ɾ ˉ h Ɒ˘ Â

7.19. P26 w ↓ ˜Ḥ ă

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P26.00	ⓠ β 0' ą		

W	O		ض	V
P26.13	1	0 Set value 1 Read value 2 Reserved 3 Reserved	00000~33333	33333

W	O		ض	V
P26.14	2	0 Set value 1 Read value 2 Reserved 3 Reserved	00000~33333	33333

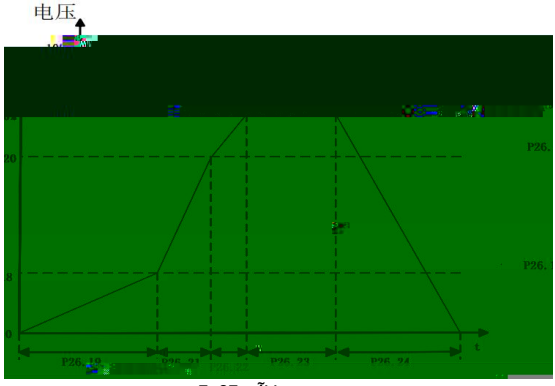
P26.13 P26.14

P26.13

0 Set value 1 Read value	BIT0:	0 1	
	BIT1:	0 1	
0 Set value 1 Read value	BIT0:	0 1	

β' ヶ"Ḥ	BIT0:	0'	ṿ ч 3ʃ ч Ґ"Ḥ Ŀ' ˉ β ч Ґ"Ḥ Ŀ Â
		1' "Ḥ	
	BIT1: ˉ β	0'	
		1' "Ḥ	
Ч β' ' β'	BIT0:	0'	ṿ ч 3 Â
		1' "Ḥ	
	BIT1: ˉ β	0'	
		1' "Ḥ	

W	O		ﻫ	ṿ
P26.15	˜Ḥ	0:A01 1:A02	0~1	0
P26.18	₩ ʜ Ⓟ	0~80%	0~80	30.0%
P26.19	₩ ˜Ḥ ∀	0.1~50.0s	0.1~50.0	8.0s
P26.20	ʜ ⁂ Ⓟ	5.0~78.0%	5.0~78.0	70.0%
P26.21	ʜ ˜Ḥ ∀	0.5~50.0s	0.5~50.0	4.0s
P26.22	⁂ ˜Ḥ ∀	0.0~10.0s	0.0~10.0	1.0s



ﻫ 7-27 ˜Ḥ

P26.15 Ţ ₣ ʜ ₣˘ G ضʜ ˜Ḥ Ţ Ŀ ヶ ƈ ₣ ヶ Â ʜ ˜Ḥ ˥ ヶ

˜ №ч⁂ ˘ P26.18 G ₩ U ⌠ ヶ ṿ˘ P26.19 ↕ G ₩ ⓠ

˜Ḥ Â ³ ض˘ P26.20˝ P26.21˘ P26.22№≠ ʜ ₫⁂ ˜Ḥ ɇ ⌠ ヶ

ṿ˘ ⁂ ヶ ⌠ ヶ ṿ Â

W	O		ﻫ	ṿ
P26.23	˜Ḥ	1.0~10.0s	1.0~10.0	2.0s
P26.24	˜Ḥ ⁞	0.0s		1.5s
P26.29	˜Ḥ ṿ	0~15%	0~15	7%

ʜ ˜Ḥ ˥ ヶ ʜ U ヶ "Ḥ ヶ Ӟ ˥˘ ヶ ⌠ ˜Ḥ ヶ Ḡ P26.23

ʜ U 'P ˜Ḥ ⁞ '

ضP26.24 ˜Ḥ ⁞ ṗ˘ h Ψ ヶ ƈ ヶ ɾ ˜Ḥ ヶ ∀ ⌠ ṿ Â

˜Ḥ h ч ϖ ˥ ヶ ⁞ ⁘ Ⅱ Ɗ℘˘ ⓠ Ţ

ƀ Â ⁂ Ψ ƀ Й ˘ ˜Ḥ Ţ ǐ ヶ ƈ ヶ G P26.29 Ţ

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7.20. P29 ‰ ǎ

W	O			ﻫ	ṿ
P29.00	AI1	1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.01	AI1	1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.02	AI1	2	16.000~19.999mA	16.000~19.999	₣ ∧

P29.03	AI1	2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.04	AI2	1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.05	AI2	1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.06	AI2	2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.07	AI2	2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.08		1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.09		1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.10		2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.11		2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.12		1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.13		1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.14		2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.15		2	16.000~19.999mA	16.000~19.999	₣ ∧

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1. AI1 Ң ^ 5.000mA ˚ ~

AI1 ν˘ ~ w ǎ P29.00

U00.21 ν˘ ~ w ǎ P29.01

2. AI1 Ң ^ 19.000mA ˚ ~

AI1 ν˘ ~ w ǎ P29.02

U00.21 ν˘ ~ w ǎ P29.03

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P29.16	A01	1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.17	A01	1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.18	A01	2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.19	A01	2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.20	A02	1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.21	A02	1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.22	A02	2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.23	A02	2	16.000~19.999mA	16.000~19.999	₣ ∧
P29.24	A03	1	4.500~8.000mA	4.500~8.000	₣ ∧
P29.25	A03	1	4.500~8.000mA	4.500~8.000	

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WO36 ~ Ь 2. ~ ε ֆ 2. Ꮋ ~ ε ֆ ٦
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WO39 PLC 2. PLC ﻙ

W052	DP/PN	1.DP/PN ٧ Ь PLC Ꮒ Ţ 2.DP/PN ٧ ɾ ˜ 3.DP/PN ٧ Ь PLC Ꮒ	1. DP/PN ٧ Ь PLC Ꮒ ӈ Ղ ä˜ 2. ќ DP/PN ٧ ɾ ˜ ∫ ¨Ӌ ж ӈ ṗ 3. Profibus P13.08
W080	٧ ˜Ӌ	1. 2. ٧ ˜Ӌ Ь 3. 4. 5. ٧ ˜Ӌ L	1. ٧ ą 2. ٧ ˜Ӌ ˝ ¬ 2 3. 4. Ղ ĭ ' 5. ٧ ˜Ӌ L
W082		1.AI1~AI2 ض Ẓ 2.P23.90 Ţ ą AI ẹ AI Ŏ	

W120	~ ≀ Ь	1. ~ ≀ 2. ~ ≀ ≯ 3. └ ɒ 4. ~ ≀	5. I0 h 1. ~ ≀ ⁊ ' ỵ ⁊ ' ⁊ ' Ỉ ⁄RS₮ ~ ʐ ⁊ 2. ~ ≀ ≯ ˘ ⁊ ˘ ⁊ ȁ 3. I0 h 4. ~ ≀ ⁊
W121	₣ ≀ Ь	1. ₣ ≀ 2. ₣ ≀ ≯ 3. └ ɒ	1. ₣ ≀ ⁊ ' ỵ ⁊ ' ⁊ ' Ỉ ⁄UVW ₣ ʐ ⁊ 2. ₣ ≀ ≯ ˘ ⁊ ˘ ⁊ ȁ 3. I0 h
W123		1. ὖ 2. w Ь ˘ ɱ Ƶ 3. ǎ ˘ P09.40 ɇ P09.41	1. ⁊P └ 2. ⁞ Ỉ ' 3. ǎ ₣ ≀
W163	℗	1. ▯ ℗ Ƶ 2. ~ ʊ ⌟	1. P06.24 ∞ ỵ 2. ⁼ ⁻ Ƨ
W165		Ỉ Ь └ Ḥ ˆ Ь ₩ ˘ ≀ ƀ Ӣ Ỉ ˘ ƀ Ӣ Ỉ	1. Ỉ DI ⁊ ȁ ⁊ ' 2. └DO ₣ ⁄ ⁊ ƀ˘ Ь DO ₣ ⁊ ₩
W180	⌟ ⁄	⌟ Ӣ ℗ ⁄ ⁊ №	1. ⌟ ⁄№ ≯ 2. ⌟ ⁄ Ỉ ⁊
W181	~	1. ~ ≀ 2. ~	1. Ɛ ~ ≀ ⌈ I0 ~ ≀ ⁊ 2. IR ȁ IT ~ ⁊
W182	≀ ˝Ḥ ⁄	1. ≀ ˝Ḥ Ỉ 2. ≀ ˝Ḥ	1. ≀ ˝Ḥ ˘ HMI ≀ ˝Ḥ ≀ ˝Ḥ ⁊ 2. ≀ ˝Ḥ └
W183	⁄ ⁄	⁄ ⁄ Ỉ	⁄ ⁄ Ỉ Ė № ≯ ⁊
W184	:	1. ₣ ≀ 2. ₣ ≀ ≯ 3. Ƹ˘ P06.16	

W188	Ḥ	1. 2. Ь h RS2 o ڜ à ǐ à o	1. 2.

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E002	∨	1. ǂ ڜ 2. ǂ 3.P01 ă ˇ L ч L ғ 4.P09.30ˆ ǐ ڑ ~ 5. h 6. Ѳ˘ ض 7. ∨ Ţ ∨ 8. ǐ ڑ ڤ Ẓ 9. ١ ″Ḥ ǂ T1 à T2 ǐ	1. ǂ ڜ ˇ Ղ ˇ ʻՂ à ' ǂ Ղ ǐ h 2. ¤ 15V ˝ MḤ˝ Ղ ' 3. P01 ă ˇ ʻP 3 4. P09.30 5.

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E012

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P09.01~P09.03

E026

E027

E028

E029

E031

E032

		2.DIo 3. L ɒ	2. ~ DI ч ˇ DIo IO 3. IO h
E042	Ẓ	1. ֆ ǎ Ь 2. 3. Ẓ ǎ Ьₙₙ 4. ֆ ⌈PG ∖ 5.PG ∖ 6.24ˇ 15V ˟ 7. h 8. ֆ	1. P01 ֆ ǎ 2. Ꝑ 3. ’ₙₙ P09.69 4. ֆ й˘ Ь PG ∖ ’ Ţ ϩ à 5.PG ∖ ϩ ’ ϩ 6. 24ˇ 15V ˟ ϩ ’ IO 7. IO h 8. ֆ
E043		1. ֆ ǎ Ь 2. 3. Ẓ ǎ Ьₙₙ 4. ֆ ⌈PG ∖ 5.PG ∖ 6.24ˇ 15V ˟ 7. h 8. ֆ	1. P01 ֆ ǎ 2. Ꝑ 3. ’ₙₙ P09.69 4. ֆ й˘ Ь PG ∖ ’ Ţ ϩ à 5.PG ∖ ϩ ’ ϩ 6. 24ˇ 15V ˟ ϩ ’ IO 7. IO h 8. ֆ
E044	˟Ḥ	1. ˟Ḥ ֆ ₙₙ 2⁘ ~ ∕ Ь 3. ˟Ḥ L 4. ˟Ḥ L ֆ 5. к ѿ ∖ ˝Ḥ ∕ ˟Ḥ Ьּ⁘ ˇ 6. ∖ ˝Ḥ ɒ 7. ˟Ḥ ~ 8. L ɒ	1. ˟Ḥ ֆ №ₙₙ 2. ⁘ ~ ∕ 3. ˟Ḥ L ϩ ˇ Ţ ɛ̀ 4. ˟Ḥ L ֆ ϩ 5. ∖ ˝Ḥ ~ ϩ 6. ∖ ˝Ḥ ̀ ä ∖ ˝Ḥ L ˇ ˟Ḥ 7.P26.29 8. IO h
E046	L	1.24V L 2. L ⁎ 3.IO DIo 4. L ɒ	1. L ϩ 24V 2. L ⁎ 3. ї ɾ DI ϥ IO 4. IO h
E047	IO	1.IO ⁎ 2. L ɒ	1. IO ⁎ ϩ ˇ ∕ ⁎’ 2. IO h ’
E048	ˊ ε	1. h ⁘ DSP ä ARM o 2. ضِ DSP 3. h	1. h o ₣ ∖ β 2. ˇ ₣ ∖ ˇ ⁘ L 3. h
E051	β	˟ ¬ 2	˟ ¬ 2
E052	DP/PN ∖	1.DP/PN ∖ Ь PLC h Ţ 2.DP/PN ∖ ɾ ˟ 3.DP/PN ∖ Ь h	1. DP/PN ∖ Ь PLC h ҥ ϩ ä˟ 2. ќ DP/PN ∖ ɾ ˟ ⌈ ˝Ḥ ⁎ ҥ ṗ 3. Profibus P13.08
E054	:	1. w 57- : ї 2. : : ʈ ɒ ₣ Ь : ї Ь ѿ	1. ~ Ḥ˟ ϩ ضِ 2. : ϩ ضِ ˘ β : 3. L : : ʈ ɒ Ḥ˟ ϩ ضِ ˇ : ϩ ʈ ɒ Ꝺ Å 4. : ї Ḥ˟ ϩ ضِ

E055		1. 2. P01	1. 2. P01
E057		1. 2. 3. 4. 5. 6. 7. 8.	1. 2. 3. 4. 5. 6. 7. 8. 2
E058		1. 2. 3. 4. 5.	1. 2. 3. 4. 5.
E059		1. 2. 3. 4.	1. 2. 3. 4.
E120		1. 2. 3. 4.	1. 2. 3. 4.
E121		1. 2. 3.	1. 2. 3.
E122	:	1. 2. 3. P06.16 4.	1. 2. 3. P06.16 P01.10 4.
E157			2
E160		1. 2. 3. 4. 5. 6.	1. 2. 3. 4.

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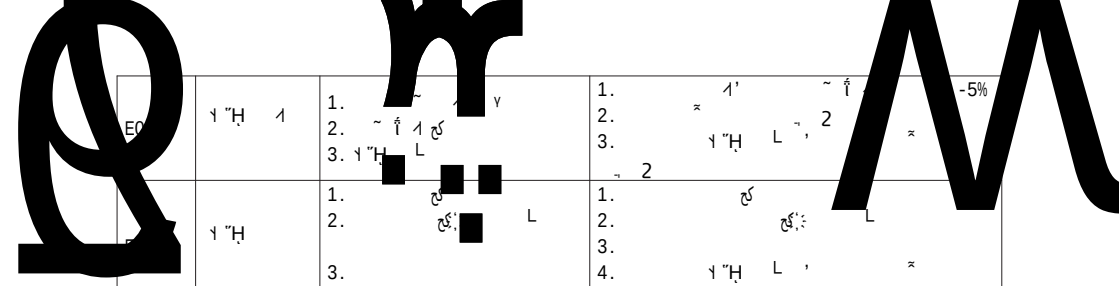
E161 ಶ



E0	۱ ״Ḥ ۱	1. ~ ۱ ۷ 2. ~ Ĩ ۱ ڜ 3. ۱ ״Ḥ L	1. ۱’ ~ Ĩ -5% 2. ״ 3. ۱ ״Ḥ L ¬ , 2 ״ ¬ 2
	۱ ״Ḥ	1. ڜ 2. ڜ L 3. 4. ۱ ״Ḥ L	1. ڜ 2. ڜ L 3. 4. ۱ ״Ḥ L , ״ ¬ 2
E071	¬	״ ¬ 2	״ ¬ 2

8.4. w ۱ ״Ḥ

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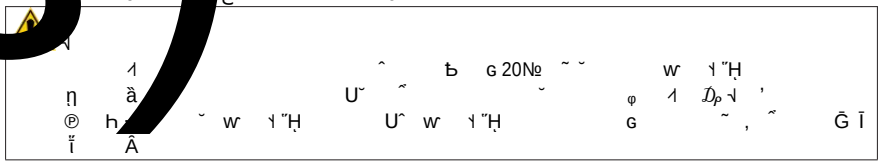
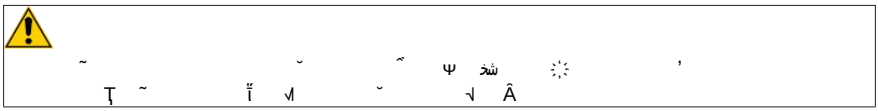
9. [illegible]

[illegible]





9.1. [illegible]

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7) [illegible]
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9.2. [illegible]

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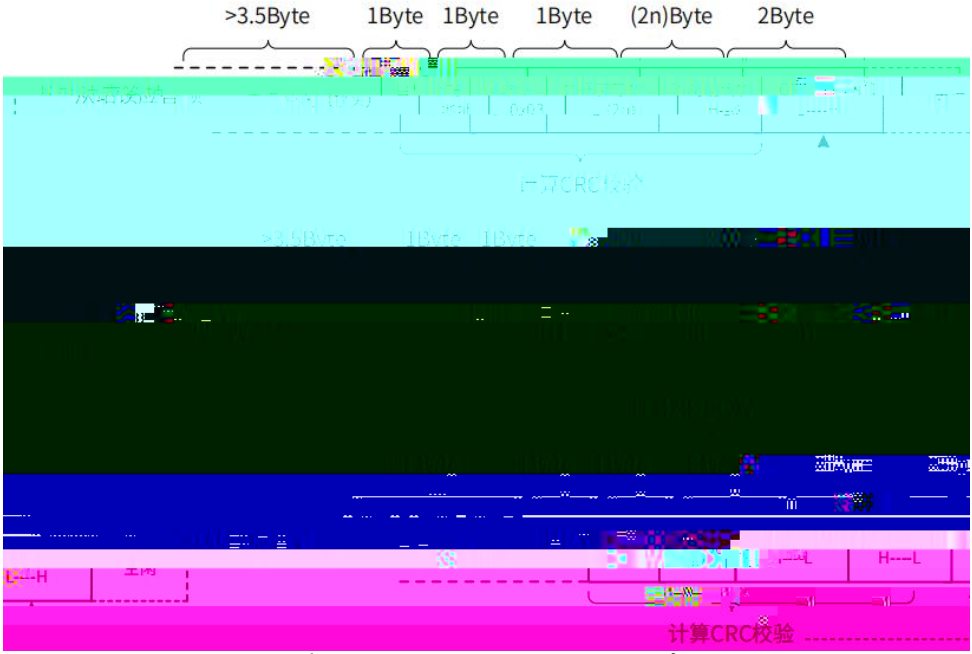
10. Modbus 통신

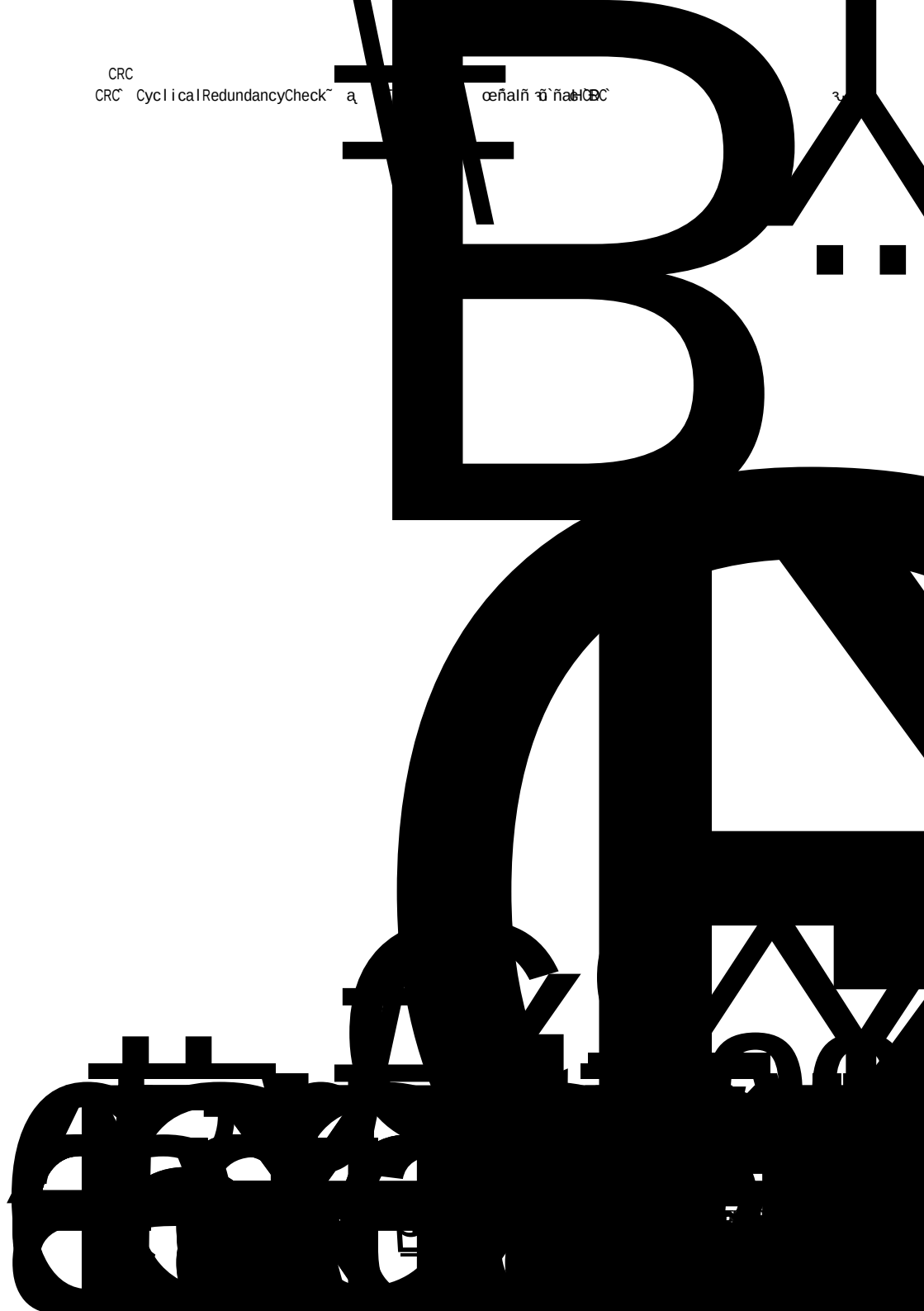
RS485



START	≥3.5字节
从站地址ADR	广播地址：0x00 从站地址：1~247
CMD	0x03：读取从站寄存器数据 0x06：写单个从站寄存器数据 0x10：写多个从站寄存器数据
起始寄存器地址H	高8位：寄存器地址为16位，两个字节，高8位在前，低8位在后
起始寄存器地址L	低8位：寄存器地址为16位，两个字节，高8位在前，低8位在后
寄存器数量H	高8位：寄存器数量为16位，两个字节，高8位在前，低8位在后
寄存器数量L	低8位：寄存器数量为16位，两个字节，高8位在前，低8位在后
字节数	寄存器数量×2
数据区	数据区：具体的数据，2个字节的数据，高字节在前，低字节在后
CRCCHK低字节	CRC16校验码，低字节在前，高字节在后
CRCCHK高字节	
END	≥3.5字节

CRC

CRC~ CyclicalRedundancyCheck~ a œñalñ ¬õ`ñaeHCBC~ 3



U00 Ⅰ′ 10.2 ă Ŀ ˇ ˇ Ì ضر ختي Ч Ŭĵ′

U00 Ì ضر ختي ĵĵ β Ч 70Ĥ″ ٧ ĵĵ β Ч ă ضر Ţ ˆ ˇ ٹ ᴅ Ŭĵ′ U00.23˝ Ì ضر ختي Ч 7017H Â

Ì ٢ ضر ختي′ U0X ضر ختي ĵĵ β Ч 7XĤ″ ĵĵ β ضر ختي Ь U00 □˜ Ч ă ˆ Â

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Ŭ Ĩ ڪ ˇ ضر ختي تھ Ч 3000Ĥ″ 485 Ŭ ضر ختي ˇ ˆ ٢ Ŭ ╠ Ĩ ڪ

Ĥ ˇ Ч Ŭĵ′

ختي ضر	W
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	0002′ Ì
	0003′ Å 2000

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Ŭ Ĩ ڪ ˇ ضر ختي تھ Ч 8000Ĥ″ ⁙ β Ŭ ضر ختي ˇ ˆ ٢ Ŭ ╠ Ĩ ڪ

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PCBGY6000PGC02	