

VER1.0

i DI N800



!

!



1	.....	1
2	.....	1
3	.....	1
3.1	.....	1
3.2	.....	2
3.3	.....	2
3.4	.....	2
3.5	.....	2
3.6 "	"	3
3.7	.....	3
3.8	.....	3
3.9	.....	3
3.10	.....	3
4	.....	4
4.1	.....	4
4.2	.....	4
4.3	.....	4
4.4	.....	4
4.5	.....	4
4.6	.....	4
4.7	.....	4
4.8	.....	4
4.9	.....	4
4.10	.....	5
4.11	JB/T7631	5
4.12	.....	5
4.13	.....	5
4.14	.....	5
5	.....	6
6	.....	6

6.1	.....	6
6.2	.....	6
7	.....	7
7.1	.....	7
7.2	.....	8
8	.....	9
8.1	.....	9
8.2	.....	9
8.3	.....	10
8.4	.....	10
8.5 " "	.....	11
8.6	.....	11
8.7	.....	11
8.8 . Z ñ ò	.....	1

1

i DI N800

Cortex-M3 ARM

Pt100

2

1

32

Cortex-M3

ARM

2

3.2

3.2.1

PA Pb PC

3.2.2

3.2.2.1

3.2.2.2

3.2.2.3

3.2.2.4

4

3.3

/

3.4

3.6 " "

" "

3.7

3.8

RS485

Modbus

3.9

3 4 – 20 mA

3.10

60S

3.10.1

1

T			
T1	80	0 200	Q 1
T2	100	0 200	Q 1
T3	130	0 200	Q 1
T4	150	0 200	Q 1

3.10.2

2

t				
	0	0 200	1	
	5	2 - 60	1	

4

4.1

-20.0 240.0

4.2

± 1%FS

0.5

0.5

0.1

4.3

- 20 + 55

< 95%

220V AC +10% -15%

50Hz - 60Hz ± 2Hz

4.4

-20.0 +20.0

4.5

7A/250VAC

10A/250VAC 10A/30VDC

4.6

8 W

4.7

Pt100

3× 20mm

4.8

4 20mA

0.0

4. 10

JB/T7631-94

ISO9002

IEC61000-4 1995

GB/T17626-1998

4. 11

JB/T7631

4. 11. 1

AC 250V AC 50HZ AC 200mV 50HZ

4. 11. 2

/ 2.5KHz 4KV

4. 11. 3

4KV

4. 11. 4

27 500MHz 3V/m

4. 12

4. 12. 1

15 30 75

20

4. 12. 2

15 30 75

50Hz 2kV

1min

4. 13

IP40

4. 14

JB/T 9329-1999

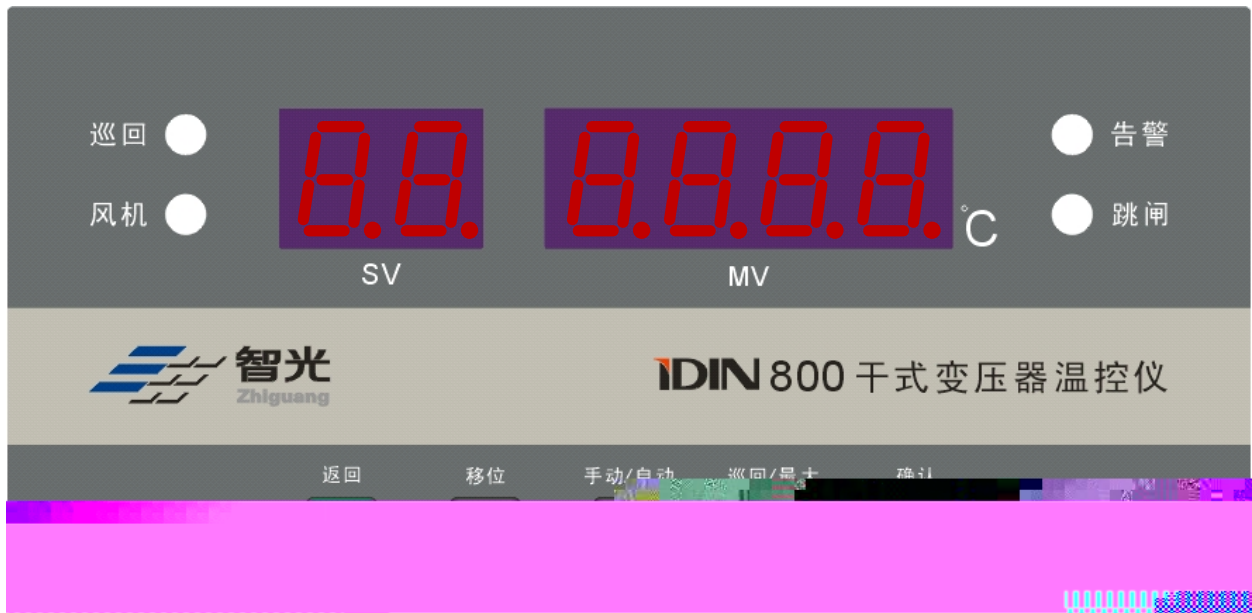
5

3

iDIN800-01B	" "	
iDIN800-01C	iDIN800-01B	RS-485
iDIN800-01D	iDIN800-01B	4~20mA

6

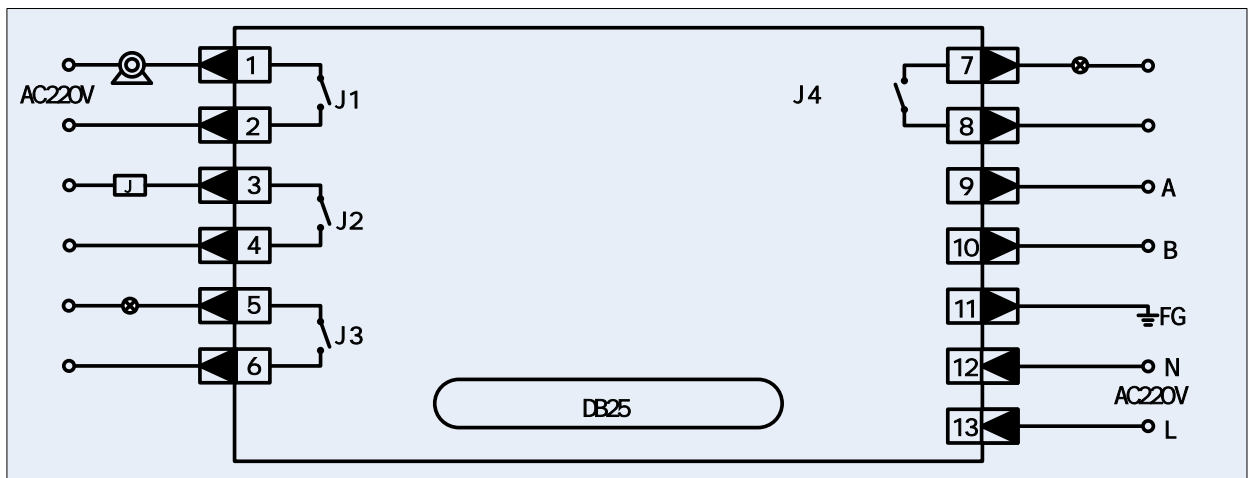
6.1



1

6.2

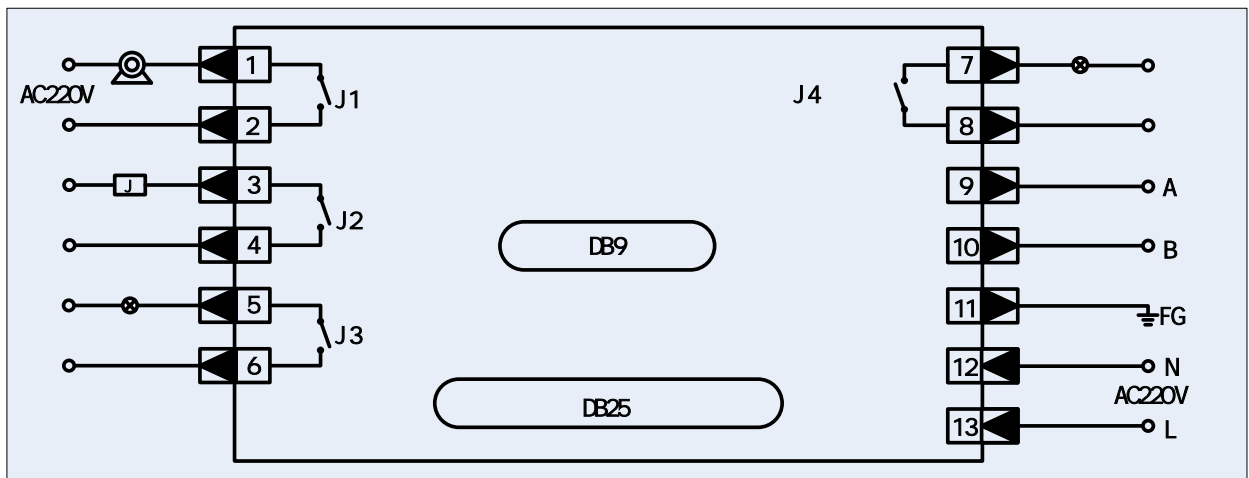
6.2.1 /



2 iDIN800-01B/C

FG

6 2 2



3 iDIN800-01D

FG

7

7.1

4

	SC	iDIN800	
	P+		

	U+			
	H+			
	P+			
	P+			
	P+			
	Er	ErEH	SV MV	
	Er	ErEL	SV MV	
	E+	ErOP	SV MV	
	ES	ErOP	SV MV	
	E+	ErSH	SV MV	
	ES	ErSH	SV MV	
	Er	ErCO	SV MV	
	Er	ErAd	SV MV	
	Er	ErSF	SV MV	
	Er	ErrP	SV MV	
	Er	ErFE	SV MV	
	Er	ErFS	SV MV	
	Er	ErAn	SV MV	

7.2

1  / Esc

2  / Shift

3 /  / Up

1

4 /  / Down

5  / Enter

8

8 1

5

1		C1	bHCS		C1 1 bHCS
2		C1	9009	9009	
3		FC	080.0	80.0	T1 0.0~200.0 1
4		FS	100.0	100.0	T2 0.0~200.0 2
5		AL	130.0	130.0	T3 0.0~200.0 1
6		AH	150.0	150.0	T4 0.0~200.0 1
7		FC	080.0		
8					

1. $T4 > T3 > T2 > T1 + 4$ 4

2.

8 2

6

1		C2	FJCS		C2 2 FJCS
2		C2	9009		

9009

Ý

3

Ft

000

0

0~200

				9009	
3		S1	080.0	80.0	
4		S1	100.0	100.0	
5		S1	130.0	130.0	
6		S1	150.0	150.0	
7		S1	240.0	240	
8		S1	239.8	-20~240	
9		S1	149.4	150.0	
10		S1	129.4	130.0	
11		S1	79.9	80	
12					

8 5 " "

9 " "

1		C5	rdJL		C5 5 rdJL
2		C5	9009	9009	
3		rA	XXX.X	A	
4		rb	XXX.X	B	
5		rC	XXX.X	C	
6					

8 6

8 7

10

1		C7	UAdJ		C7 7 UAdJ
2		C7	9009	9009	
4		PA	26.2	A	1 *
	a	bA	0.0	A 0	-
	b	bA	*xx.x	A	
	c	PA	*##.#	A	2 x
5		PB	26.2	B	3 -20.0 ~
6	B C				20.0 4
7					

8 8

11

1		C8	InFO		C8 8 InFO
2		EU	0001	MV	
		11	1031	2011 10 31	
3					

9

i DI N800

32 ARM Cortex-M3

Pt100

3

ARM

LED

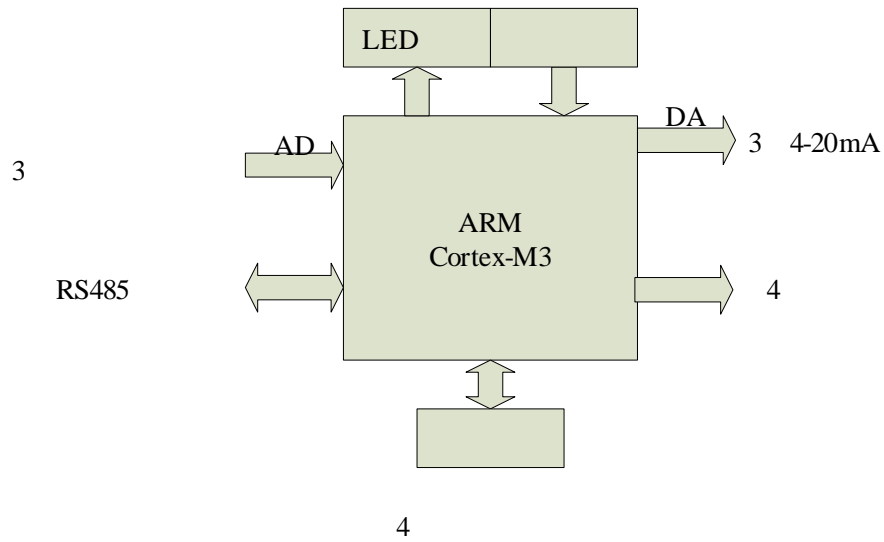
3

4-20mA

Flash

RS485

Modbus

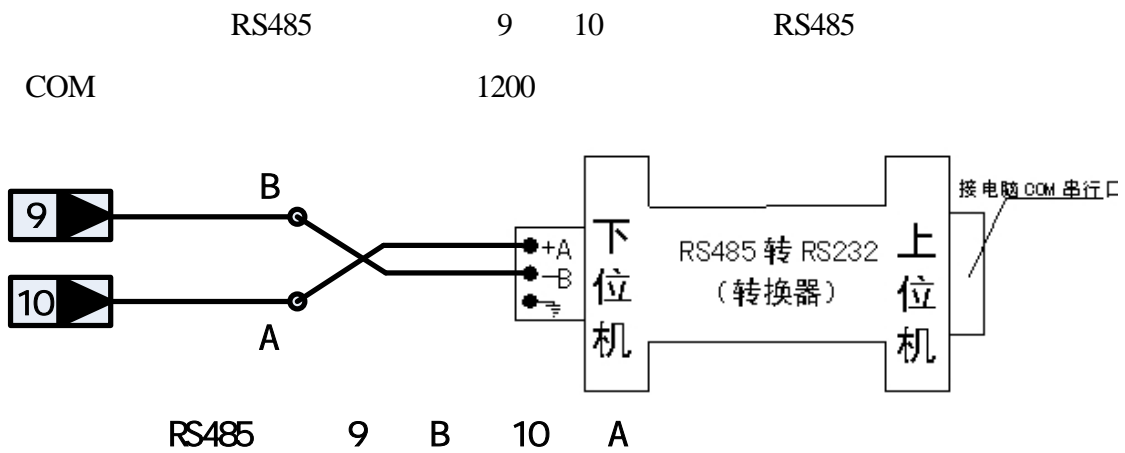


10i DIN800-01C

10.1

1. iDIN800-01B RS-485
2. Windows
3. 32 1200
- 4.

10.2



5 iDIN800-01C

11 i DIN800-01D

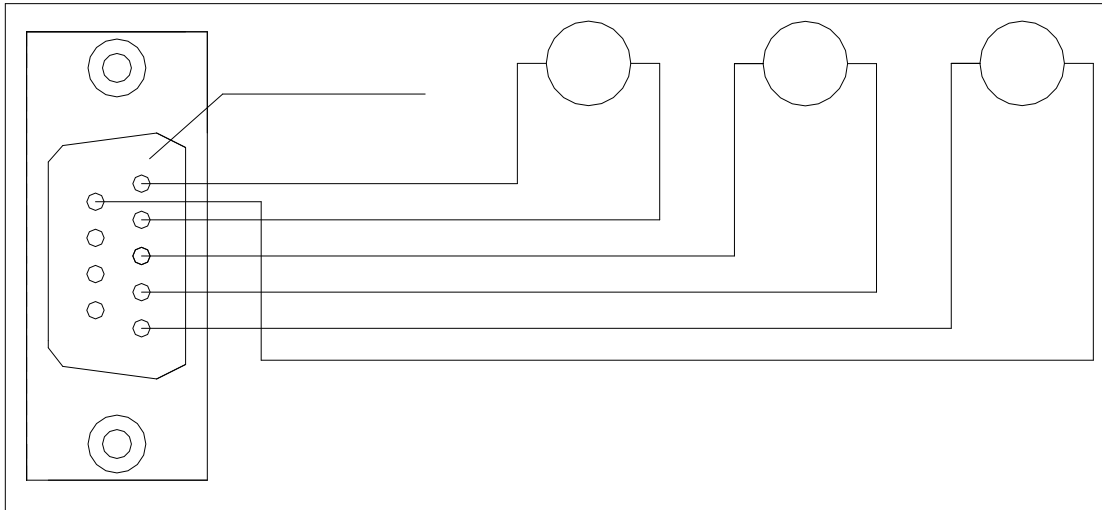
11.1

iDIN800-01B

4 20mA

A/D

11.2 4 20mA DB9



6 iDIN800-01D 4 20mA

11.3

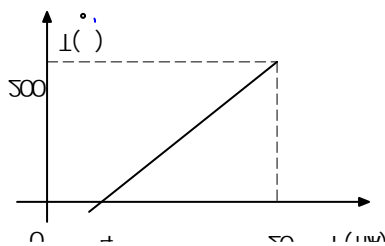
11.3.1

R 500

± 1%

0.15%

11.3.2



$$I = 16T/200 + 4$$

T

I

mA

11.3.3

0.1% 25PPM 250

1 5V

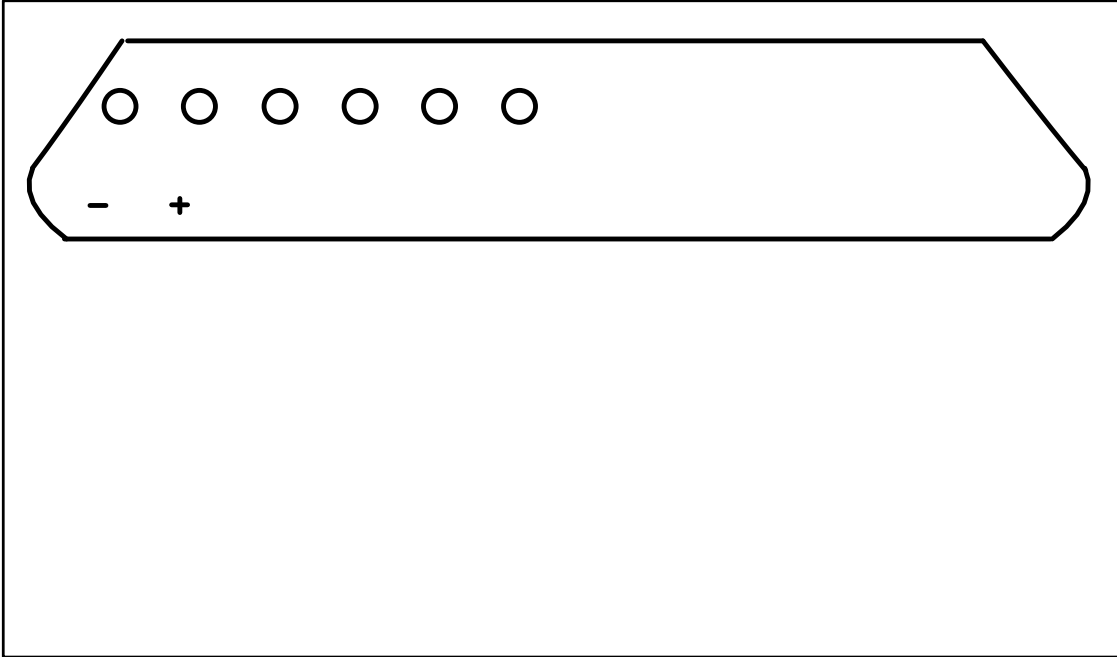
±

12

12

故障现象	原因分析	处理方法
	1. 2	1. 2
" E+Ph ErSH'	1 2	1. 2
" E+Ph ErOP'	1. 2	1. 2
" ErEH'		
" ErEL"		
" ErXX"		
	1. Pt100 2	1. 2
	1. 2	1. / 2
		/
	1. 2	1. 2

13



3 4

5 6

7 8

9 10 RS485 B A

11

13 14 220V 12

15

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