





| | | |
|-----------|-------|----|
| | | 1 |
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| 1 | | 2 |
| | | 3 |
| 1 RS485 | | 3 |
| 2 RS232 | | 4 |
| 3 USB 485 | | 4 |
| | | 4 |
| 2 | | 5 |
| 3 | | 5 |
| | | 6 |
| 1 | | 6 |
| 2 | | 6 |
| 3 | | 7 |
| 4 | | 7 |
| 5 | | 8 |
| | | 9 |
| 1 | | 9 |
| 2 | | 9 |
| 3 | | 10 |
| 4 | | 10 |
| | | 11 |
| 1 | | 11 |
| 2 Modb | | 11 |
| 3 | | 13 |
| 4 | | 14 |
| 5 | | 14 |
| | | 22 |
| | | 22 |
| | | 22 |



● DC7-30V

● RS485

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RS232 RS485
Modb RTU/TCP/ASCII

4G WIFI

0-255

● 5

5-24V

● 4

● 5 12

● 2 12

●

2400,4800,9600,19200,38400,115200

9600

| | | | | |
|--|--|--|--|--|
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485

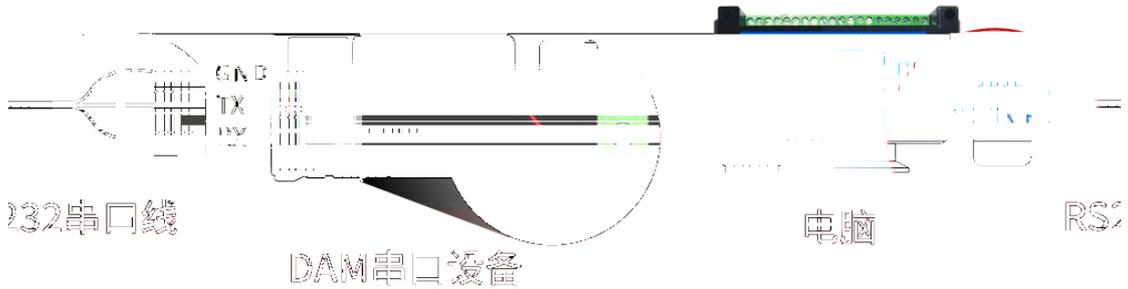
| | |
|--|-------------|
| | |
| | |
| | RS232 RS485 |
| | |



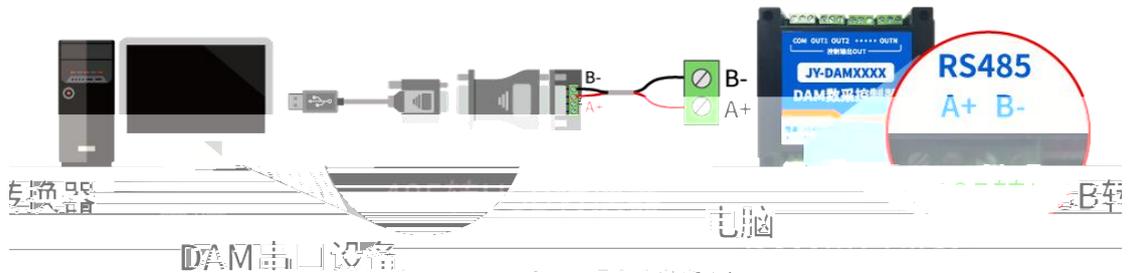
| | | | | | | | | |
|--|-------|---------|---|---|---|---|---|-----|
| | RS232 | 232-485 | | | | | | |
| | RS485 | A | B | A | A | B | B | 485 |

GND

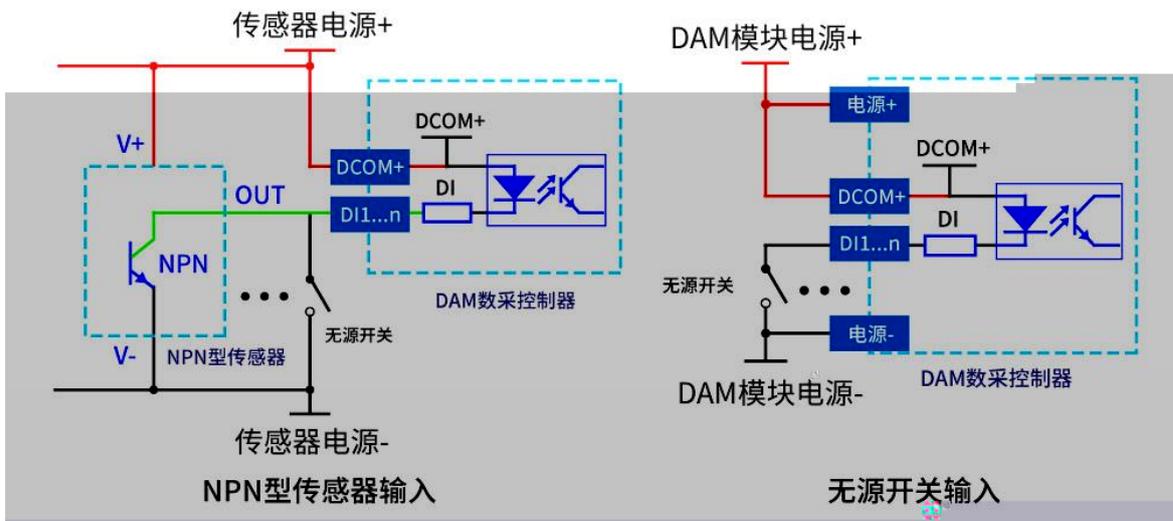
2 RS232



3 USB 485

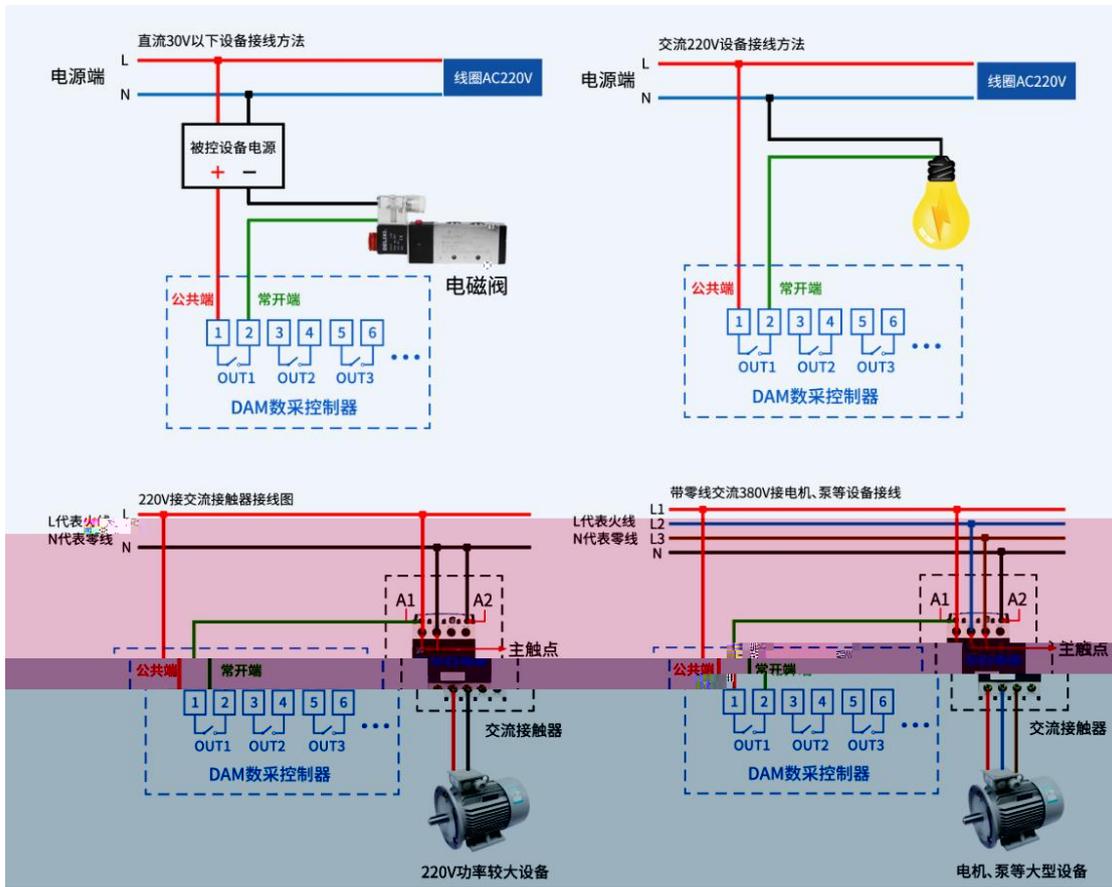


1





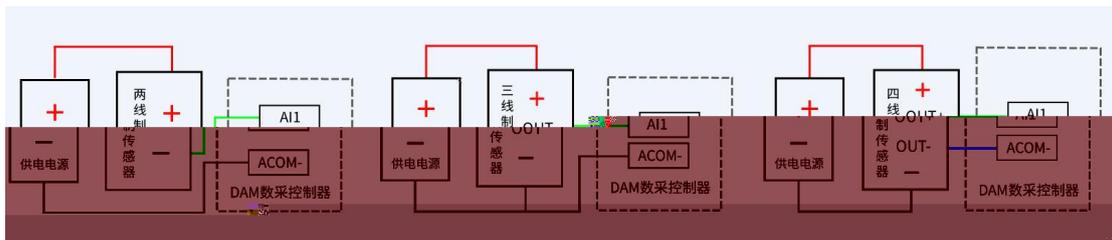
2



3

AI1-AI5

ACOM-



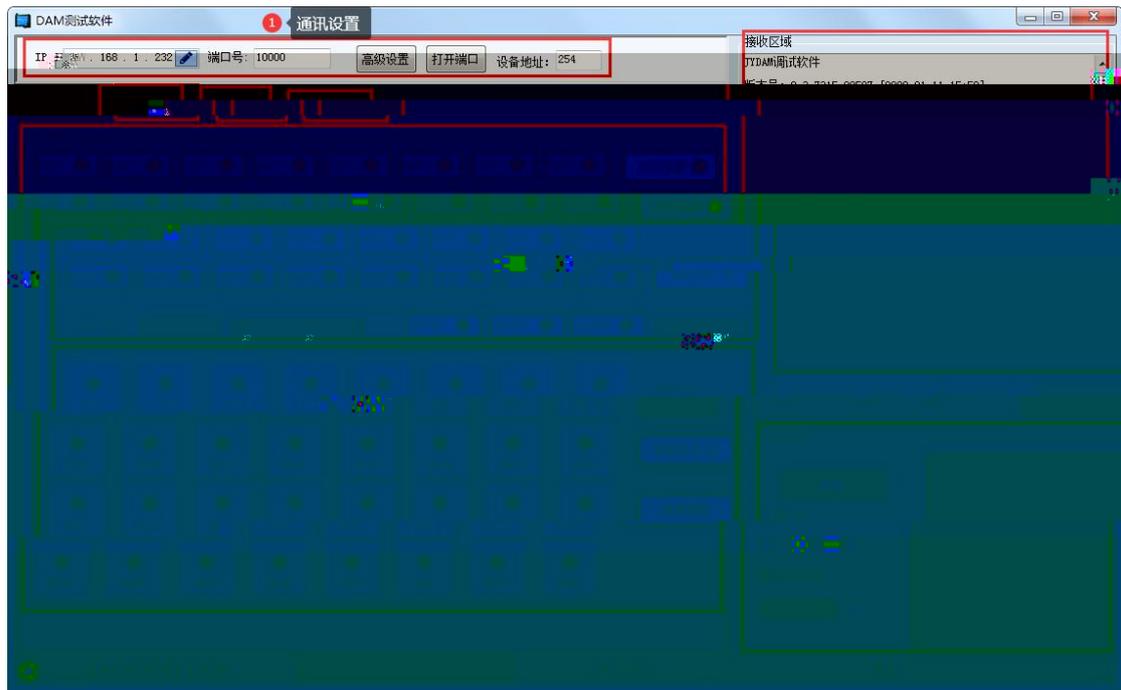


1

<https://www.juyingele.com/download/DAMSoftware.zip>

2

JYDAM



| | |
|-------------------|--|
| | |
| <u> </u> | <ul style="list-style-type: none"> ● / ● /TCP ● AI/DI/DO |
| <u>DO</u> | <ul style="list-style-type: none"> ● DO ● DO ● |
| <u>DI</u> | <ul style="list-style-type: none"> ● DI ● DI ● DI/DO |
| <u> </u> | <ul style="list-style-type: none"> ● 4-20ma/0-10 /0-5 / ● PT100/K /DS18B20 / ● ● AI/ ● AI ● e cel ● |
| <u> </u> | <ul style="list-style-type: none"> ● AO |



| | |
|--|----------------|
| | ● AO |
| | ● AI/DI/DO |
| | ● |
| | ● |
| | ● AI/DI/DO |
| | ● DO |
| | ● AI/DI/DO/AO/ |
| | ● |

3

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IP IP
9600



4

-



串口号: COM10 波特率: 9600 高级设置 关闭端口 设备地址: 254

控制DI/DO 模拟量输入 模拟量输出 配置参数

导出记录间隔 5000 毫秒

AI1# 6.729 mA
AI2# 8.933 mA
AI3# 13.046 mA
AI4# 0.000 mA
AI5# 0.000 mA
AI6# 0.000 mA
AI7# 0.000 mA
AI8# 0.000 mA
采集时间 11:09:54

接收区域

```

00 00 00 00 4A 59 37 34 31 70 01 04 28 00 01 00 4A FF 00
00 00 00 00 00 00 4A 59 37 34 31 70 01 04 28
[11:09:54.036]收←01 04 10 1A 4A 22 E6 32 F6 00 00 00 00
00 00 00 00 00 00 E5 F9
[11:09:54.044]发→01 04 03 E8 00 14 70 75
[11:09:54.106]收←01 04 28 00 01 00 4A FF 00 00 00 00 00
00 00 4A 59 37 34 31 70 85 72 57 78 35 35 57 71 53 79 08
08 08 48 00 00 00 00 00 00 00 00 0F 34 01
[11:09:54.108]发→01 04 00 00 00 08 F1 CC
[11:09:54.143]收←01 04 10 1A 47 22 E3 32 F3 00 00 00 00
00 00 00 00 00 35 35
[11:09:54.148]发→01 04 03 E8 00 14 70 75
[11:09:54.209]收←01 04 28 00 01 00 4A FF 00 00 00 00 00
00 00 4A 59 37 34 31 70 85 72 57 78 35 35 57 71 53 79 08
08 08 48 00 00 00 00 00 00 00 00 0F 34 01
[11:09:54.234]收←04 10 1A 49 22 E7 32 F4 00 00 00 00 00
00 00 00 00 AF C1
[11:09:54.251]发→01 04 03 E8 00 14 70 75
[11:09:54.334]收←01 04 28 00 01 00 4A FF 00 00 00 00 00
00 00 4A 59 37 34 31 70 85 72 57 78 35 35 57 71 53 79 08
08 08 48 00 00 00 00 00 00 00 0F 34 01 04 10 1A 48 22
E3 32 F3 00 00 00 00 00 00 00 00 00 7A 31
[11:09:54.336]发→01 04 00 00 00 08 F1 CC
[11:09:54.371]收←01 04 10 1A 49 22 E5 32 F6 00 00 00 00 00
00 00 00 00 00 A3 38
[11:09:54.376]发→01 04 03 E8 00 14 70 75

```

发送区域

AT+DEBUG=5

发送

HEX 发送新行 定时发送 100 毫秒

数据通讯端口已经打开 采集AI数据成功

5



4-20mA:4000-20000/0-10 :0-10000

串口号: COM14 波特率: 9600 高级设置 关闭端口 设备地址: 254

控制DI/DO 模拟量输入 模拟量输出 配置参数

模拟量输出通道

通道1 15000 设定 通道6 0 设定

通道2 20000 设定 通道7 0 设定

通道3 0 设定 通道8 0 设定

通道4 0 设定 通道9 0 设定

通道5 0 设定

接收区域

```

00 00 00 C5 42
[10:02:22.982]采集AI数据成功
[10:02:23.334]定时读取设备ID、DO、DI状态
[10:02:23.337]发→FE 04 03 E8 00 14 64 7A
[10:02:23.409]收←FE 04 28 00 00 01 96 00 00
00 00 00 00 00 4A 59 58 36 82 67 61 34 6D
44 64 38 5A 58 54 6E C6 00 00 00 46 6B E4 00
03 82 01 46 0A F1
[10:02:23.427]采集AI数据成功
[10:02:23.427]定时读取设备ID、DO、DI状态
[10:02:23.430]发→FE 04 00 32 00 0C 45 CF
[10:02:23.483]收←FE 04 18 45 0A E3 33 45
E3 33 45 0A E3 33 45 0A E3 33 00 00 00 00
00 00 00 C5 42
[10:02:23.485]采集AI数据成功
[10:02:23.845]定时读取设备ID、DO、DI状态
[10:02:23.848]发→FE 04 03 E8 00 14 64

```



1

1.1

DAM = 1 254

1.2

254



1.3

JYDAM



2





3

DI

AI

DO

DLC

DLC

https://www.juyingele.com/download/DLC_timing_Config.zip



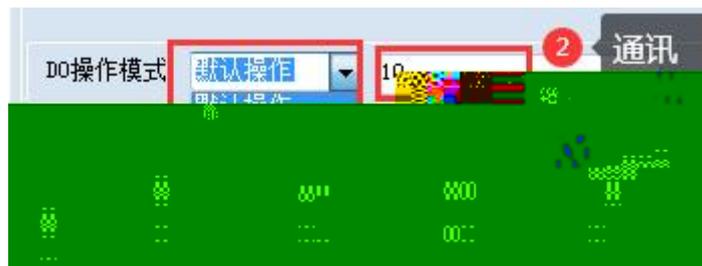
4

4.1

= *0.1 1
1.

4.2

= *0.1





1

modb
MODBUS

Modbus

https://www.juyingele.com/download/Modbus_poll.zip

2 Modbus

| DO (Digital Output) | | | | |
|---------------------|-----|----|---|--|
| DO1 | 01 | 0 | | |
| DO2 | | 1 | | |
| DO3 | 05 | 2 | | |
| DO4 | | 3 | | |
| | 15 | | | |
| DI (Digital Input) | | | | |
| DI1 | 02: | 0 | | |
| DI2 | | 1 | | |
| DI3 | | 2 | | |
| DI4 | | 3 | | |
| DI5 | | 4 | | |
| AI (Analog Input) | | | | |
| AI1 | 04 | 16 | 0 | |
| AI2 | | 16 | 1 | |
| AI3 | | 16 | 2 | |
| AI4 | | 16 | 3 | |
| AI5 | | 16 | 4 | |
| | 16 | | | |
| AO (Analog Output) | | | | |
| AO1 | 03 | 16 | | |
| AO2 | | 16 | | |
| | 06 | | | |
| | 16 | | | |



| | | | | |
|--|--|------|-------|-------|
| | | 1000 | 0-5 | 0 |
| | | | RS485 | RS232 |
| | | 1001 | | |
| | | 1002 | = | + |
| | | 1003 | | |
| | | 1004 | | |

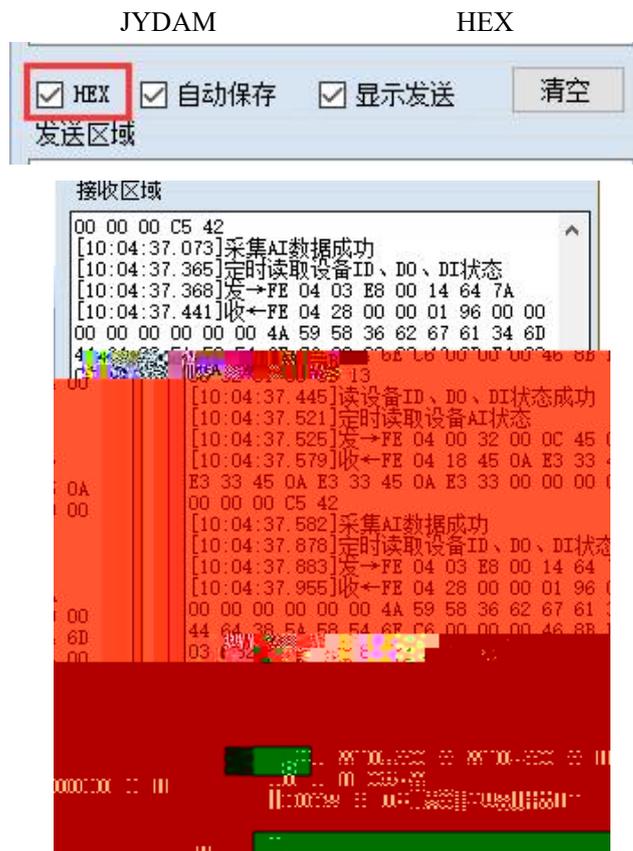
PLC/ Modb
00001 09999 ()
10001 19999)
30001 39999 ()
40001 49999
5 00001 00000 4 1 0
PLC/ Modb
Modb
PLC

- 1 1000
- 2 1001



| | | | |
|-----------|----|--------|------|
| Bi 0 Bi 7 | 0 | 9600 | |
| | 1 | 2400 | |
| | 2 | 4800 | |
| | 3 | 9600 | |
| | 4 | 19200 | |
| | 5 | 38400 | |
| | 6 | 115200 | |
| | 7 | 57600 | |
| | 8 | 56000 | |
| | 9 | 14400 | |
| | 10 | 1200 | |
| Bi 8 Bi 9 | 0 | | |
| | 1 | | E en |
| | 2 | | Odd |
| Bi | | | |

3





modb

modb

1

1

00001

4

| 1 | RTU 16 |
|-----|-------------------------|
| | FE 01 00 00 00 04 29 C6 |
| | FE 01 01 07 20 5E |
| | FE 05 00 00 FF 00 98 35 |
| | FE 05 00 00 FF 00 98 35 |
| | FE 05 00 00 00 00 D9 C5 |
| | FE 05 00 00 00 00 D9 C5 |
| | FE 05 00 01 FF 00 C9 F5 |
| | FE 05 00 01 00 00 88 05 |
| | FE 05 00 02 FF 00 39 F5 |
| | FE 05 00 02 00 00 78 05 |
| | FE 05 00 03 FF 00 68 35 |
| | FE 05 00 03 00 00 29 C5 |
| 2 | |
| | FE 02 00 00 00 05 AC 06 |
| | FE 02 01 00 91 9C |
| 3 | |
| 1 | FE 04 00 00 00 01 25 C5 |
| | FE 04 02 00 00 AD 24 |
| 2 | FE 04 00 01 00 01 74 05 |
| 3 | FE 04 00 02 00 01 84 05 |
| 4 | FE 04 00 03 00 01 D5 C5 |
| 5 | FE 04 00 04 00 01 64 04 |
| 1 5 | FE 04 00 00 00 05 24 06 |

5

5.1

FE 05 00 00 FF 00 98 35

| FE 05 00 00 FF 00 98 35 | | |
|-------------------------|----|--|
| FE | | |
| 05 | 05 | |
| 00 00 | | |



| | | | |
|-------|-------|---|-------|
| FF 00 | | | |
| 98 35 | CRC16 | 6 | CRC16 |

FE 05 00 00 FF 00 98 35

| | | | |
|-------|-------|---|-------|
| FE | | | |
| 05 | 05 | | |
| 00 00 | | | |
| FF 00 | | | |
| 98 35 | CRC16 | 6 | CRC16 |

5.2

FE 01 00 00 00 04 29 C6

| | | | |
|-------|-------|---|-------|
| FE | | | |
| 01 | 01 | | |
| 00 00 | | | |
| 00 04 | | | |
| 29 C6 | CRC16 | 6 | CRC16 |

FE 01 01 00 61 9C

| | | | |
|-------|-------|---|-------------------------------|
| FE | | | |
| 01 | 01 | | 0 81 |
| 01 | | | $1+(n-1)/8$ |
| 00 | | | Bi 0: Bi 1: Bi 4: 4 |
| 61 9C | CRC16 | 6 | CRC16 |

5.3

FE 02 00 00 00 05 AC 06

| | | | |
|-------|----|--|---|
| FE | | | |
| 02 | 02 | |) |
| 00 00 | | | |



| | | | |
|-------|-------|---|-------|
| 00 05 | | | |
| AC 06 | CRC16 | 6 | CRC16 |

FE 02 01 00 91 9C

| | | | |
|-------|-------|----------------------------|-------------|
| FE | | | |
| 02 | 02 | | 0 82 |
| 01 | | | $1+(n-1)/8$ |
| 00 | | Bi 0: Bi 1: Bi5: | |
| F4 ED | CRC16 | 4 | CRC16 |

5.4

FE 04 00 00 00 05 24 06

| | | | |
|-------|-------|---|-------|
| FE | | | |
| 04 | 04 | | |
| 00 00 | | | |
| 00 05 | | | |
| 24 06 | CRC16 | 6 | CRC16 |

| | | | |
|-------|-------|--------|------------------|
| FE | | | |
| 04 | 04 | | 0 82 |
| 0A | | | |
| 00 00 | AD | 0 1232 | 4658 AD |
| | | | = *0.001 4.658mA |
| 85 83 | CRC16 | 13 | CRC16 |

5.5

= *0.001

FE 06 01 90 1F 40 95 D4

| | | | |
|----|----|--|--|
| FE | | | |
| 06 | 06 | | |



| | | |
|-------|-------|---------------|
| 01 90 | | 400 |
| 1F 40 | | 0 1F40 = 8000 |
| 95 D4 | CRC16 | |

FE 06 01 90 1F 40 95 D4

| | | |
|-------|-------|-----|
| FE | | |
| 06 | 06 | |
| 01 90 | | 400 |
| 1F 40 | | |
| 95 D4 | CRC16 | |

5.6

FE 10 01 90 00 04 08 00 00 00 00 00 00 00 00 C8 3A

| | | |
|-------|-------|-------|
| FE | | |
| 10 | 10 | |
| 01 90 | | |
| 00 04 | | |
| 08 | | |
| 00 00 | | 1 |
| | | |
| 00 00 | | |
| 09 3A | CRC16 | |

FE 10 01 90 00 04 D4 14

| | | |
|-------|-------|--|
| FE | | |
| 10 | 10 | |
| 01 90 | | |
| 00 04 | | |
| D4 14 | CRC16 | |

5.7

| | | |
|----|----|--|
| FE | | |
| 10 | 10 | |



| | | |
|-------------|-------|---------------------|
| 00 03 | | |
| 00 02 | | |
| 04 | | $1+(n-1)/8$ |
| 00 04 00 02 | | 00 04 00 02 |
| 00 0A | | 00 0A 10 0.1 *10 |
| 00 D8 | CRC16 | |

| | | |
|-------|-------|------|
| FE | | |
| 10 | 10 | 0 82 |
| 00 03 | | |
| 00 02 | | |
| A5 C7 | CRC16 | |

| | RTU | 16 |
|---|--|----|
| 1 | FE 10 00 03 00 02 04 00 04 00 0A 41 6B | |
| 2 | FE 10 00 08 00 02 04 00 04 00 0A 00 D8 | |
| 3 | FE 10 00 0D 00 02 04 00 04 00 0A C0 E7 | |
| 4 | FE 10 00 12 00 02 04 00 04 00 0A 81 AB | |
| 1 | FE 10 00 03 00 02 04 00 02 00 0A A1 6A | |
| 2 | FE 10 00 08 00 02 04 00 02 00 0A E0 D9 | |
| 3 | FE 10 00 0D 00 02 04 00 02 00 0A 20 E6 | |
| 4 | FE 10 00 12 00 02 04 00 02 00 0A 61 AA | |

5.8

| | | |
|-------|--|------|
| FE | | |
| 0F | | 0 82 |
| 00 00 | | |
| 00 04 | | |



| | | |
|---------|-------|----------|
| 01 | | |
| FF (00 | | FF 00 |
| | CRC16 | |

| | | |
|-------|-------|------|
| FE | | |
| 0F | | 0 82 |
| | | |
| 00 04 | | |
| 40 07 | CRC16 | |

| | | | | | |
|---|------|------|----|------|---|
| | | 16 | 16 | 0 10 | |
| ➤ | 1050 | 1051 | 1 | | 0 |
| ➤ | 1052 | 1053 | 1 | | 0 |
| ➤ | 1054 | 1055 | 1 | | 0 |

1

| | | | |
|--|----|----|----|
| FE 10 04 1A 00 02 04 20 20 00 00 79 01 | 6 | 14 | |
| FE 10 04 1A 00 02 04 1C 00 00 00 74 9B | 11 | 12 | 13 |
| FE 10 04 1A 00 02 04 00 0F 00 00 43 08 | 1 | 4 | |

| | | |
|-------|-------|----------|
| FE | 10 | 254 |
| 10 | | |
| 04 1A | 1050 | |
| 00 02 | | |
| 04 | | |
| 00 | 9-16 | |
| 0F | 1-8 | 1-4 |
| | 2 | 00001111 |
| | 16 | 0F |
| 00 | 25-32 | |
| 00 | 17-24 | |
| 43 08 | CRC16 | |

FE 10 04 1A 00 02 75 30

2

| | | |
|--|---|----|
| FE 10 04 1C 00 02 04 20 20 00 00 F9 2B | 6 | 14 |
|--|---|----|



| | | | |
|--|-----|----|----|
| FE 10 04 1C 00 02 04 1C 00 00 00 F4 B1 | 11 | 12 | 13 |
| FE 10 04 1C 00 02 04 00 89 00 00 22 CB | 1 | 4 | 8 |
| FE 10 04 1C 00 02 04 00 0F 00 00 C3 22 | 1 4 | | |

| | | | |
|-------|------|-----|--|
| | | | |
| FE | 10 | 254 | |
| 10 | | | |
| 04 1C | 1052 | | |
| 00 02 | | | |
| 04 | | | |
| 00 | 9-16 | | |
| 0F | 1-8 | 1-4 | |
| | 2 00 | | |



FE 10 04 1A 00 04 08 00 0F 00 00 00 F0 00 00 21 6A
5 8

1 4

| FE | 10 | 254 |
|-------|-------------------------------------|------|
| 10 | | |
| 04 1A | 1050 | |
| 00 04 | | |
| 08 | | |
| 00 | 9-16 | 1 32 |
| 0F | 1-8 2 00001111 16 0F | 1-4 |
| 00 | 25-32 | |
| 00 | 17-24 | |
| 00 | 9-16 | 1 32 |
| 0F | 1-8 2 11110000 16 F0 | 5-8 |
| 00 | 25-32 | |
| 00 | 17-24 | |
| 21 6A | CRC16 | |



232

RX RX TX TX GND GND

2



