

技术文件

屏通人机与常用 PLC 连线说明

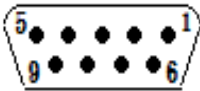
Revision 1.0 September 2008

PanelMaster, PanelExpress and PM Designer

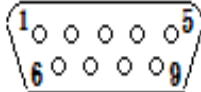


一、屏通人机通讯口脚位定义

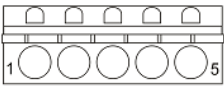
| COM 1 | 9-PIN | 母 D 型头 female |
|-------|-------|-----------------------|
| 1 | → | RS422 TXD + / RS485 + |
| 2 | → | RS232 RXD |
| 3 | → | RS232 TXD |
| 4 | → | RS422 RXD + |
| 5 | → | GND |
| 6 | → | RS422 TXD - / RS485 - |
| 7 | → | RS232 RTS |
| 8 | → | RS232 CTS |
| 9 | → | RS422 RXD - |



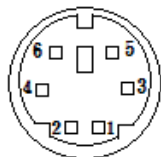
| COM 2 | 9-PIN | 公 D 型头 male |
|-------|-------|---------------------|
| 1 | → | RS485 + |
| 2 | → | RS232 RXD |
| 3 | → | RS232 TXD |
| 4 | → | NC |
| 5 | → | GND |
| 6 | → | RS485 - |
| 7 | → | RS232 RTS |
| 8 | → | RS232 CTS |
| 9 | → | NC/ VCC 5V (option) |



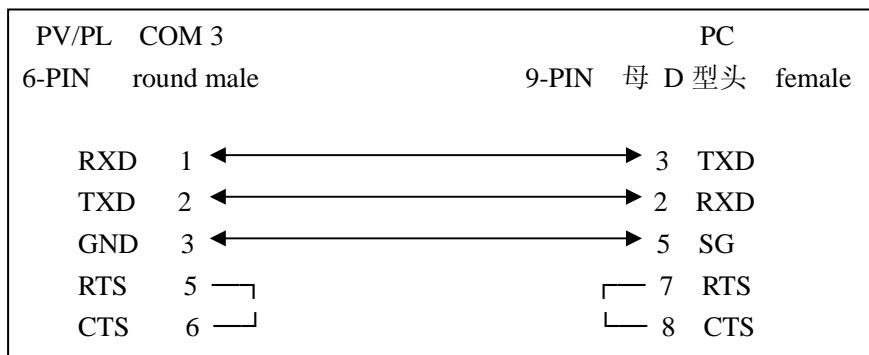
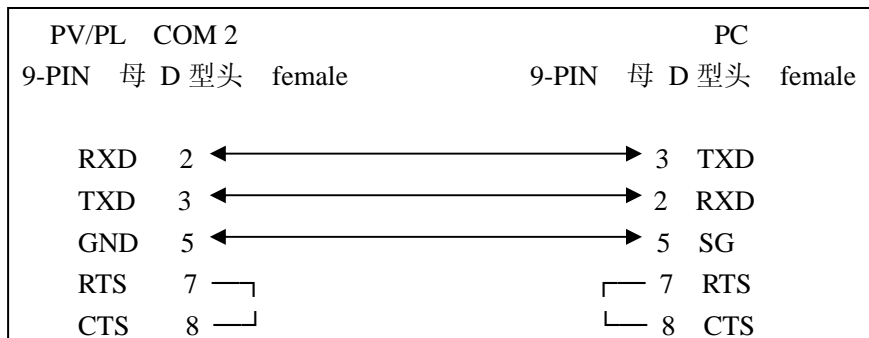
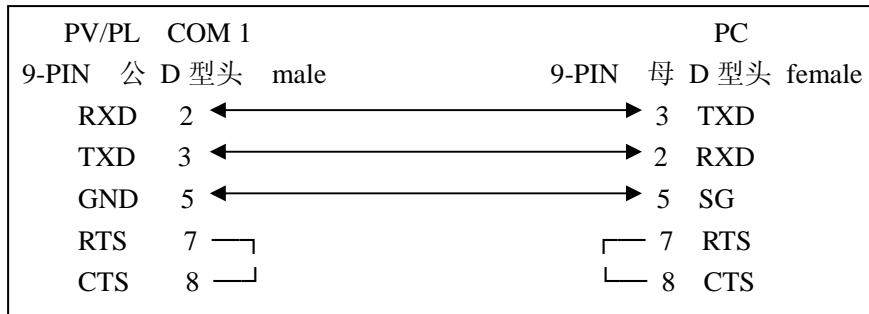
| COM 2 | 5-PIN | 接线端子 |
|-------|-------|-----------------------|
| 1 | → | RS422 TXD + / RS485 + |
| 2 | → | RS422 RXD + |
| 3 | → | RS422 RXD - |
| 4 | → | RS422 TXD - / RS485 - |
| 5 | → | GND |



| COM 3 | 6-PIN | 圆孔接头 round female |
|-------|-------|-------------------|
| 1 | → | RS232 RXD |
| 2 | → | RS232 TXD |
| 3 | → | GND |
| 4 | → | VCC 5V |
| 5 | → | RS232 CTS |
| 6 | → | RS232 RTS |



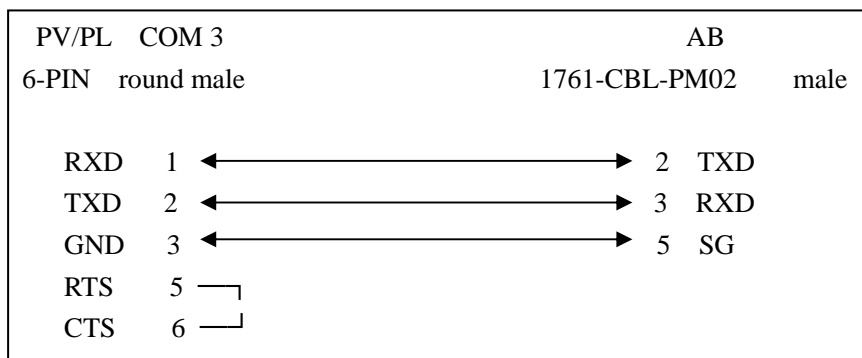
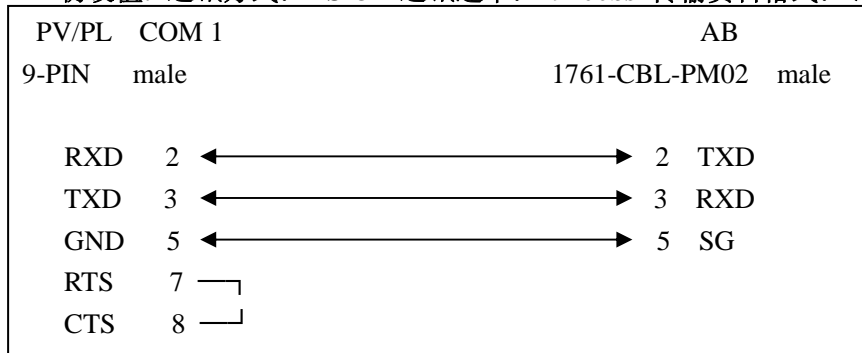
二、PC DOWN LOAD CABLE (PC 下载传输线)



三、与常用 PLC 接线图

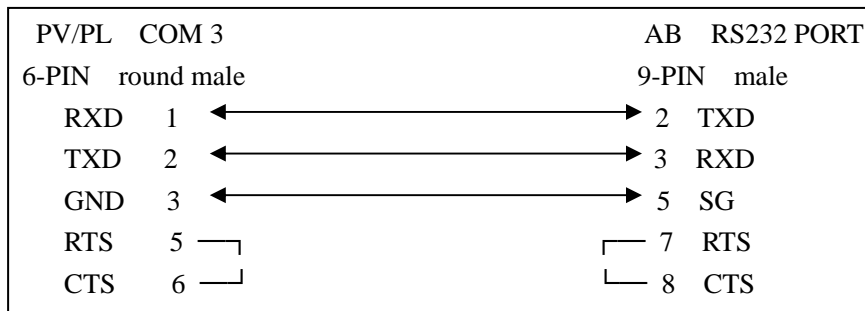
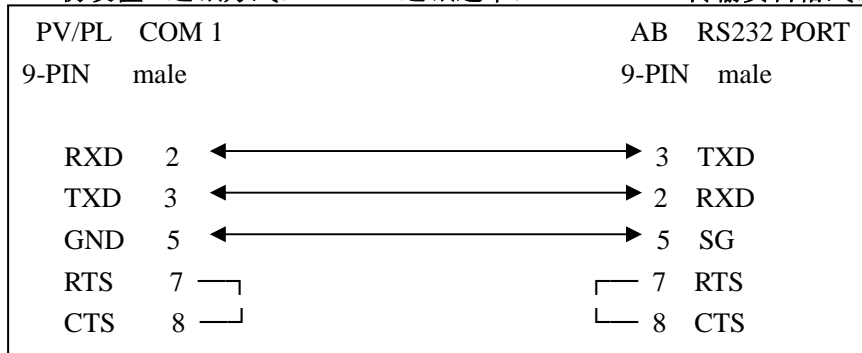
Allen-Bradley Micrologix 1000/1500

PM 初设值: 通讯方式: RS232 通讯速率: 19200bs 传输资料格式: (8, NONE, 1)



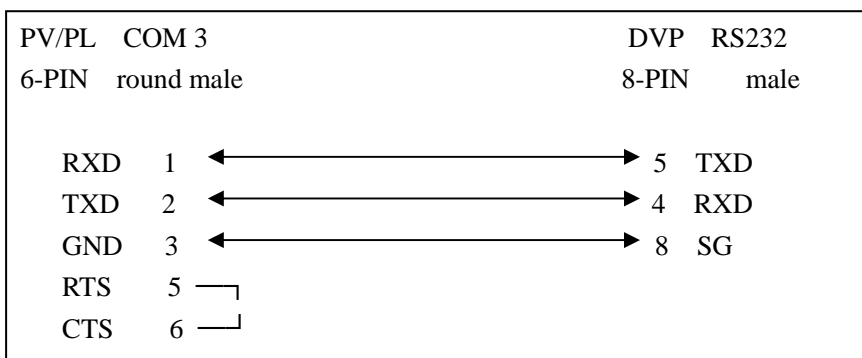
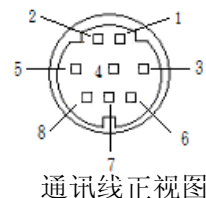
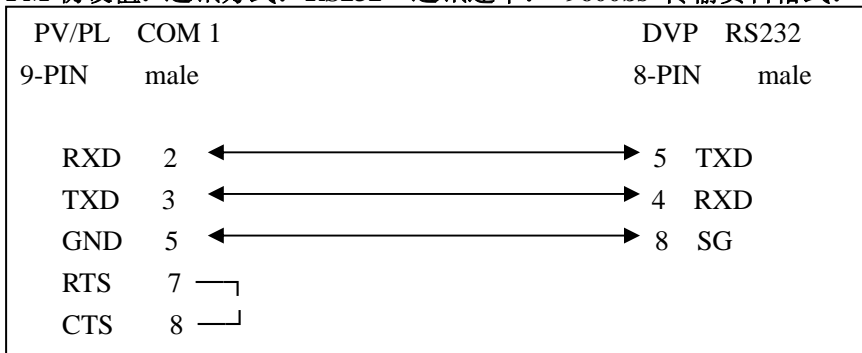
Allen-Bradley SLC 5/03,5/04

PM 初设值: 通讯方式: RS232 通讯速率: 9600 bs 传输资料格式: (8, NONE, 1)



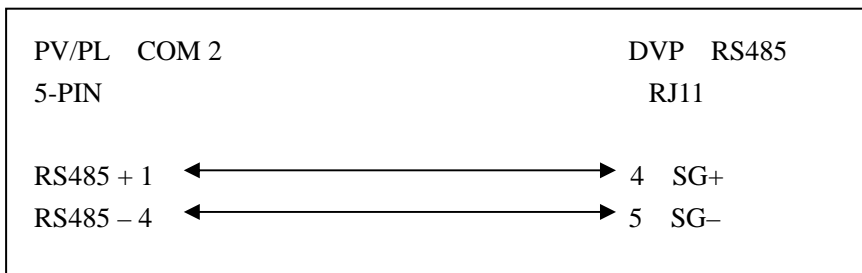
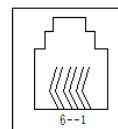
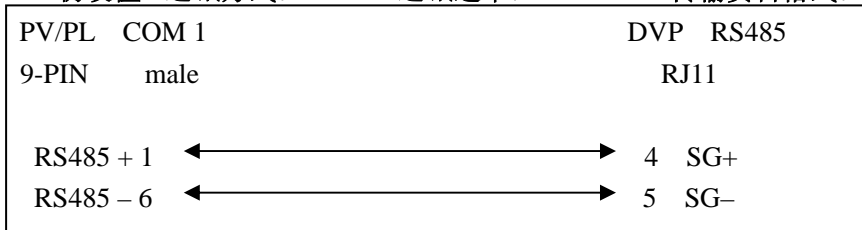
Delta Corporation DVP-ES/SS/EP/EH

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)



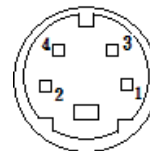
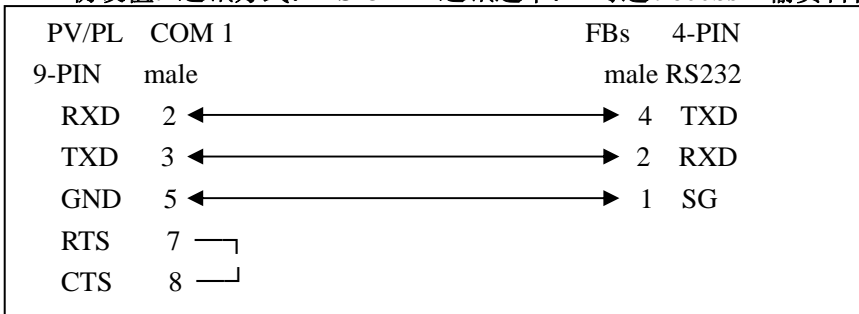
Delta Corporation VFD-B, VFD-M Inverter

PM 初设值: 通讯方式: RS485 通讯速率: 9600 bs 传输资料格式: (7, NONE, 2)

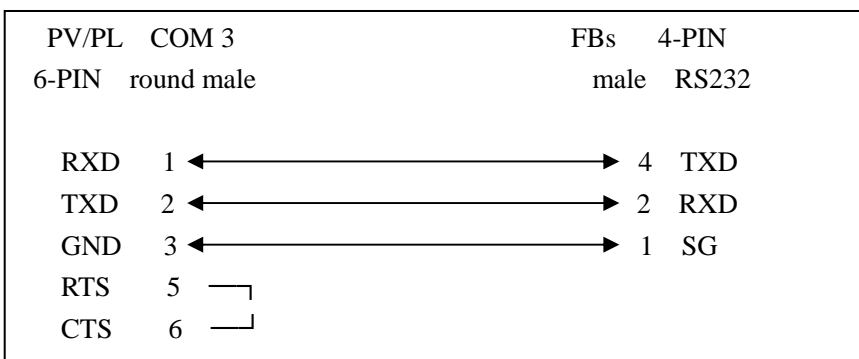


FATEK FBs

PM 初设值: 通讯方式: RS232 通讯速率: 可选 9600bs 输资料格式: (7, EVNE, 1)

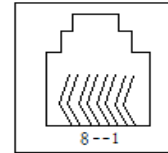
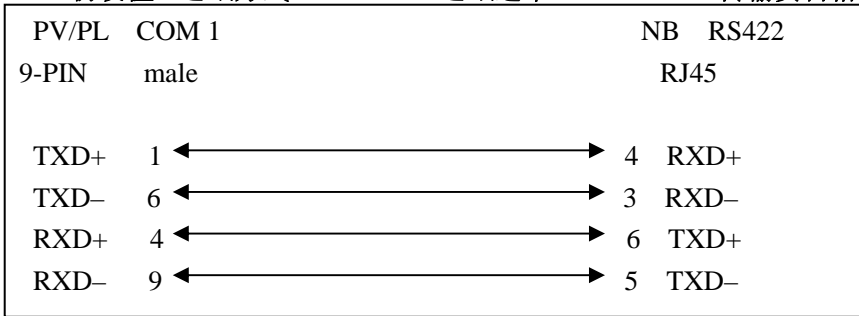


PLC 俯视图

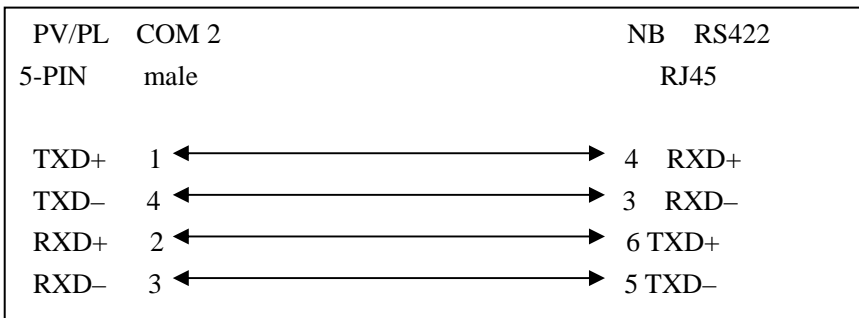


Fuji Electric Corporation NB Series

PM 初设值: 通讯方式: RS422 通讯速率: 19200bs 传输资料格式: (8, ODD, 1)

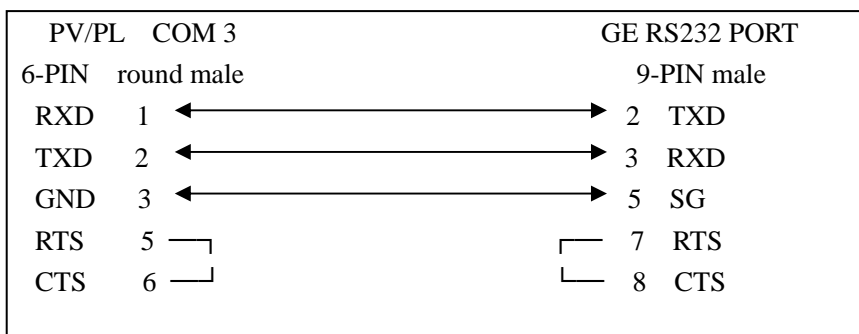
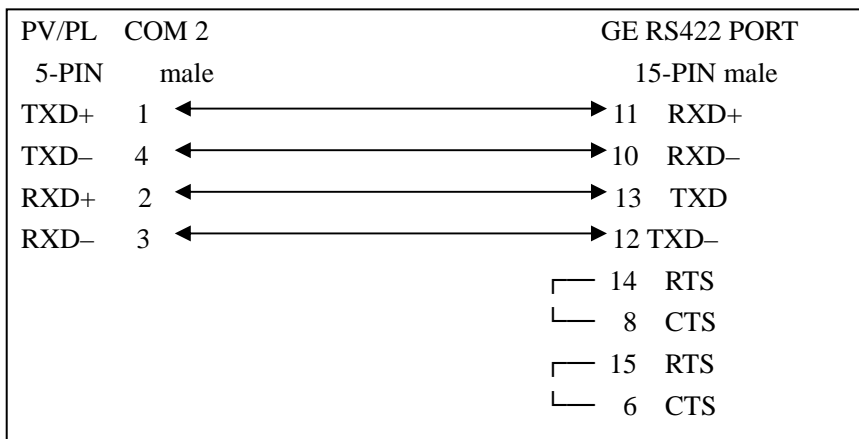
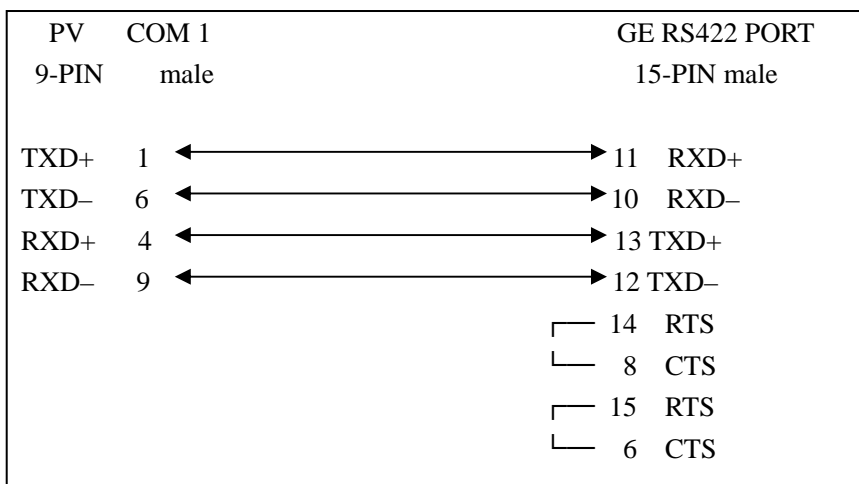
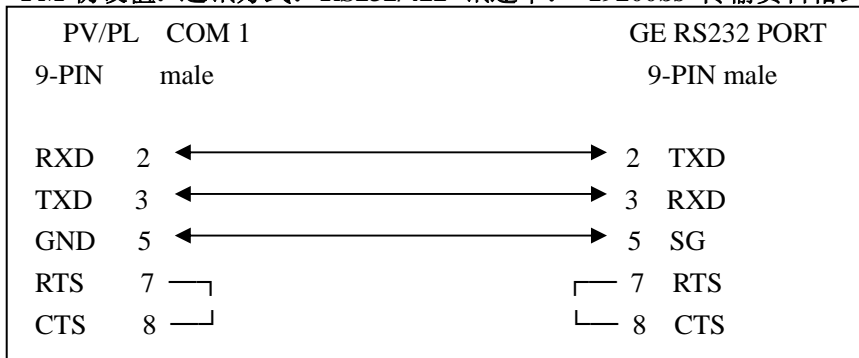


通讯线正视图



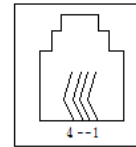
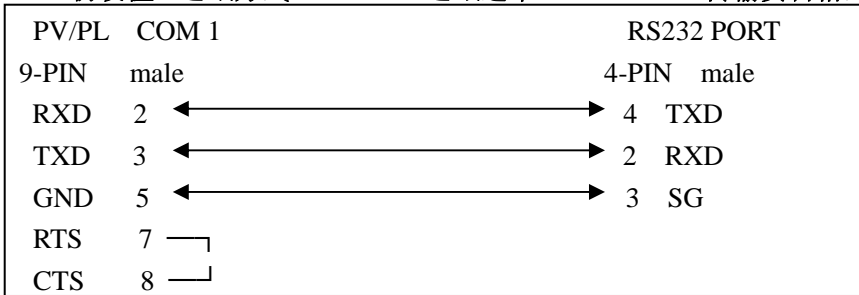
| |
|-------------------------------------|
| GE Corporation 90 Series SNP |
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PM 初设值: 通讯方式: RS232/422 讯速率: 19200bs 传输资料格式: (8, NONE, 1)

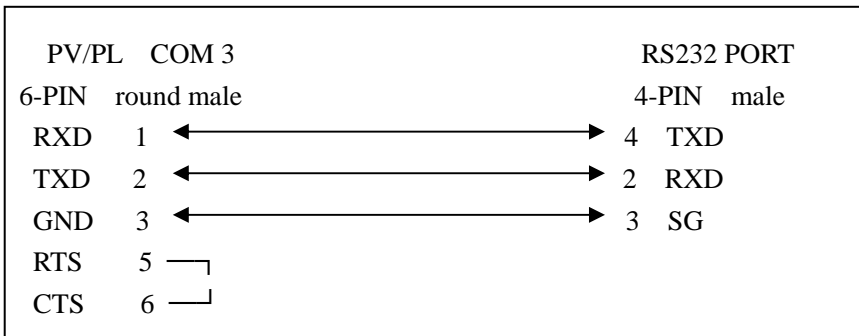


Keyence Corporation KV/KZ Series

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (8, EVEN, 1)

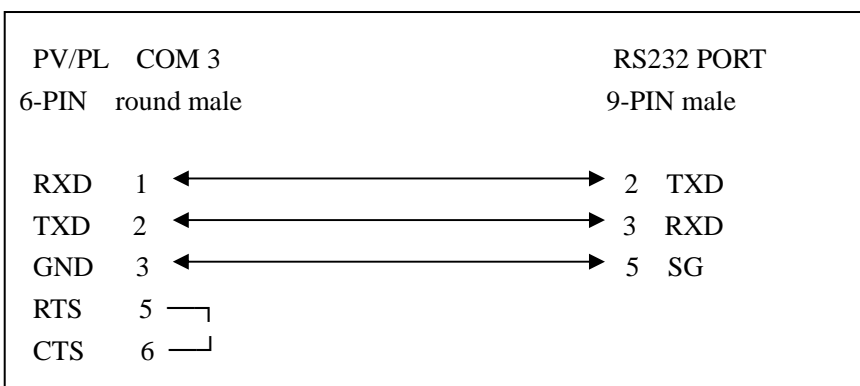
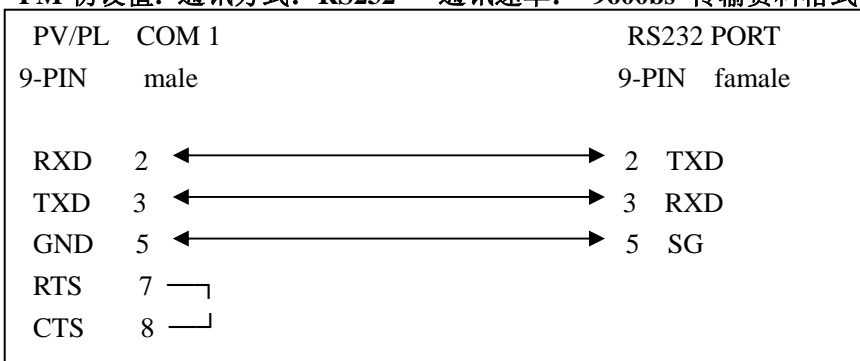


通讯线正视图

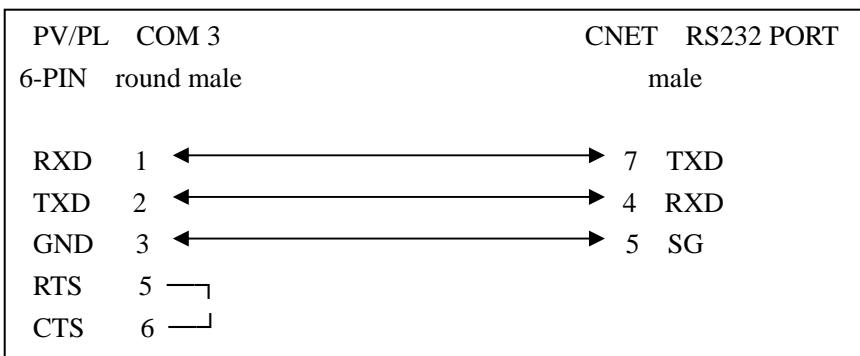
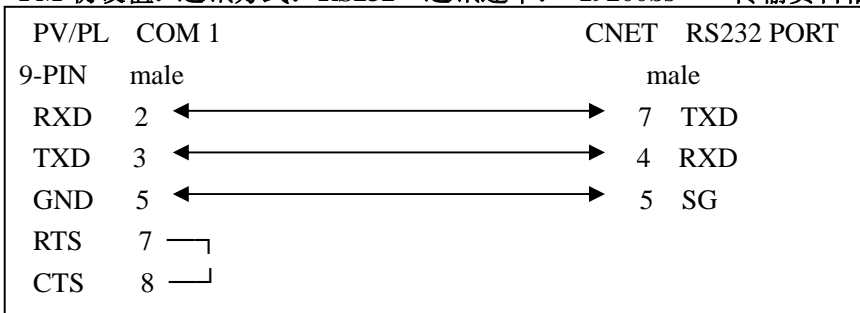


Klockner Moeller Corporation PS4-201

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (8, NONE, 1)

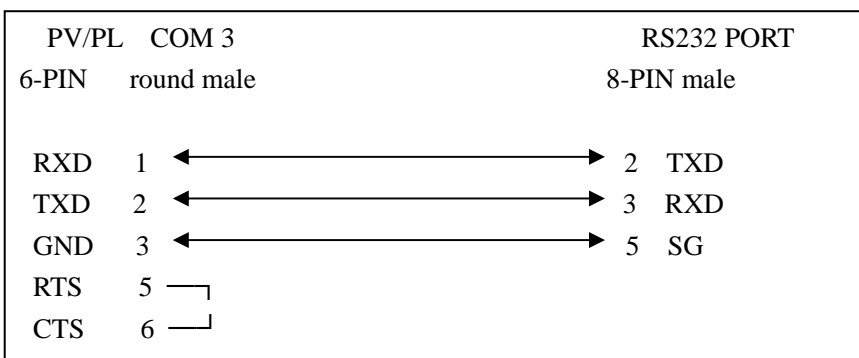
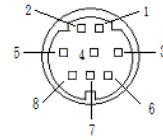
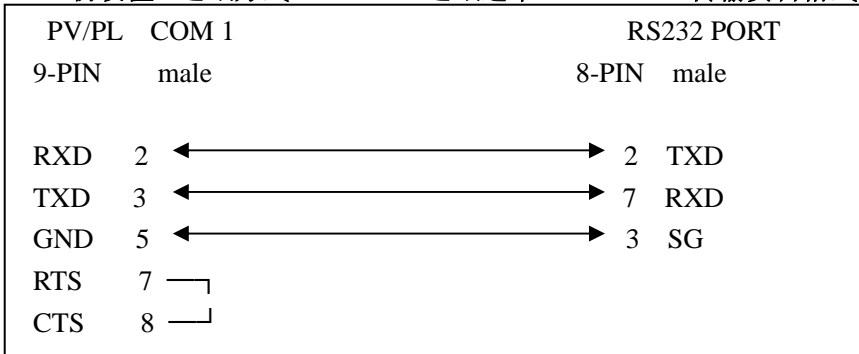
**LG Industrial Systems Master-K Series CNET**

PM 初设值: 通讯方式: RS232 通讯速率: 19200bs 传输资料格式: (8, NONE, 1)



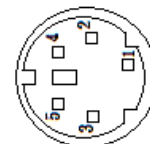
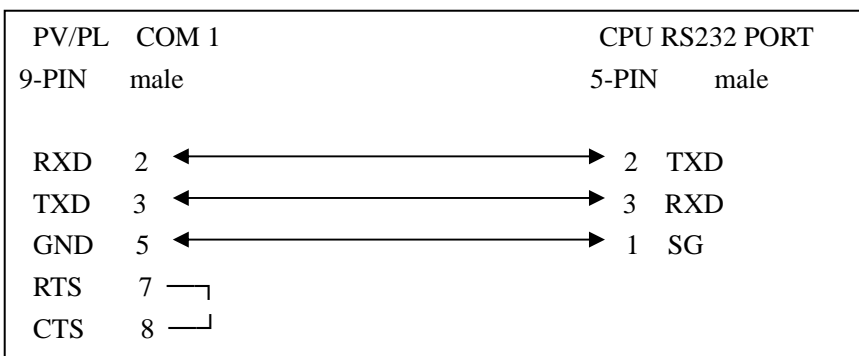
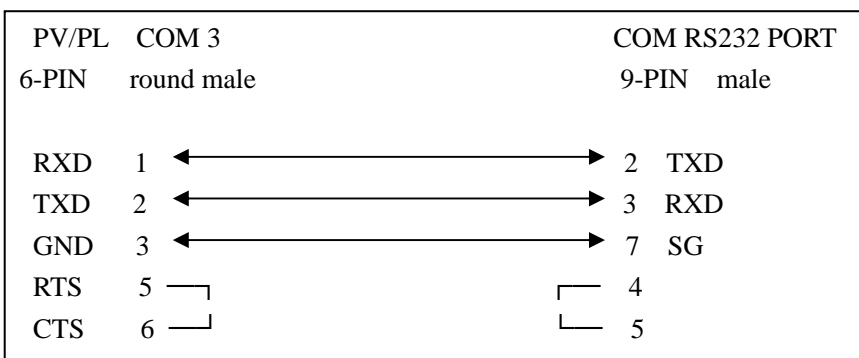
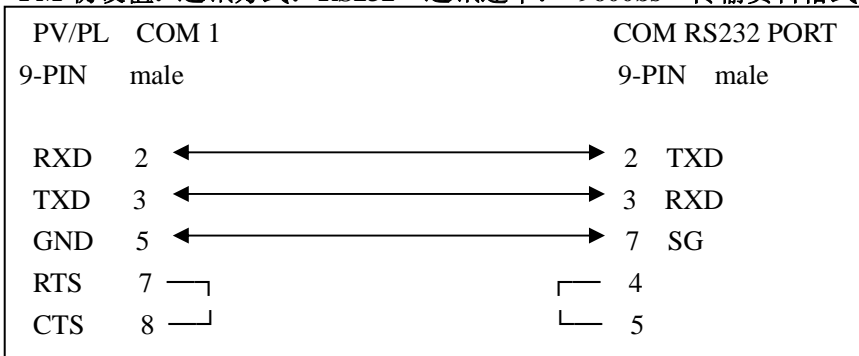
Liyan EX Series

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)

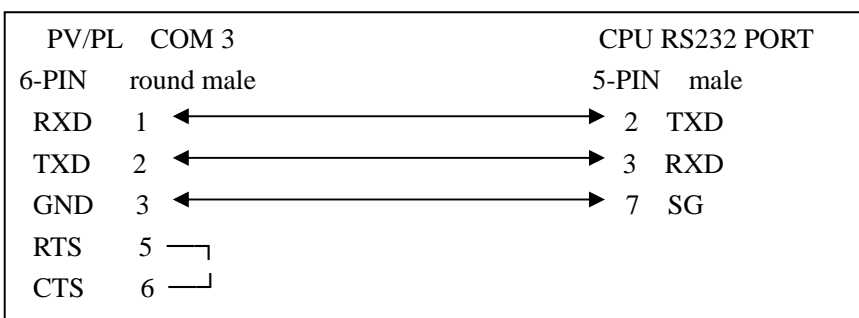


Matsushita FP Series

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (8, ODD, 1)



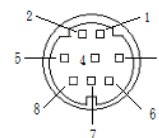
PLC 俯视图



Mitsubishi FX0s,0n,1n,2n,3u

PM 初设值: 通讯方式: RS422 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)

| Mitsubishi FX0S/FX1S/FX0N/FX1N/FX2N CPU Port | | | | |
|--|-------|--------|------------|------|
| PV | COM 1 | | RS422 PORT | |
| 9-PIN | male | | 8-PIN male | |
| TXD+ | 1 | ←————→ | 2 | RXD+ |
| TXD- | 6 | ←————→ | 1 | RXD- |
| RXD+ | 4 | ←————→ | 7 | TXD+ |
| RXD- | 9 | ←————→ | 4 | TXD- |
| GND | 5 | ←————→ | 3 | SG |



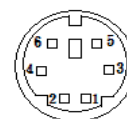
通讯线正视图

| Mitsubishi FX0S/FX1S/FX0N/FX1N/FX2N CPU Port | | | | |
|--|-------|--------|------------|------|
| PV/PL | COM 2 | | RS422 PORT | |
| 5-PIN | | | 8-PIN male | |
| TXD+ | 1 | ←————→ | 2 | RXD+ |
| TXD- | 4 | ←————→ | 1 | RXD- |
| RXD+ | 2 | ←————→ | 7 | TXD+ |
| RXD- | 3 | ←————→ | 4 | TXD- |
| GND | 5 | ←————→ | 3 | SG |

Mitsubishi Q Series CPU Port

PM 初设值: 通讯方式: RS232 通讯速率: 19200bs 传输资料格式: (8, ODD, 1)

| Mitsubishi Q Series CPU Port | | | | |
|------------------------------|-------|--------|----------------|-----|
| PV/PL | COM 1 | | CPU RS232 PORT | |
| 9-PIN | male | | 6-PIN male | |
| RXD | 2 | ←————→ | 2 | TXD |
| TXD | 3 | ←————→ | 1 | RXD |
| GND | 5 | ←————→ | 3 | SG |
| RTS | 7 | └─┘ | | |
| CTS | 8 | └─┘ | | |

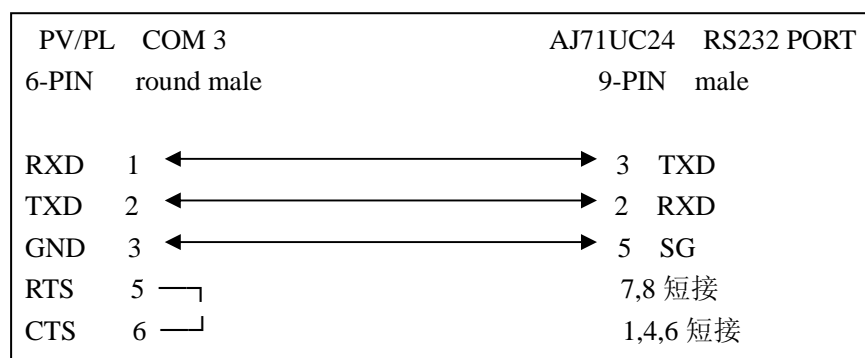


PLC 俯视图

| Mitsubishi Q Series CPU Port | | | | |
|------------------------------|------------|--------|----------------|-----|
| PV/PL | COM 3 | | CPU RS232 PORT | |
| 6-PIN | round male | | 6-PIN male | |
| RXD | 1 | ←————→ | 2 | TXD |
| TXD | 2 | ←————→ | 1 | RXD |
| GND | 3 | ←————→ | 3 | SG |
| RTS | 5 | └─┘ | | |
| CTS | 6 | └─┘ | | |

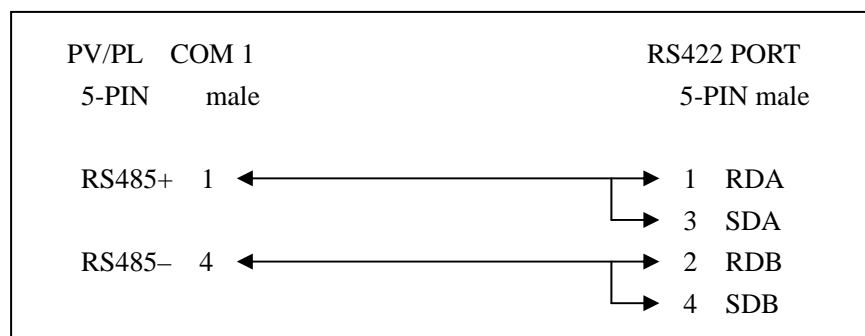
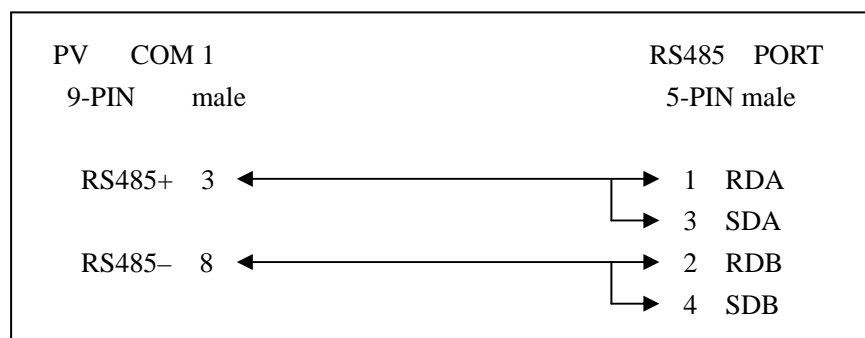
Mitsubishi A Series Link Port

PM 初设值: 通讯方式: RS232 通讯速率: 可选 9600bs 传输资料格式: (8, ODD, 1)



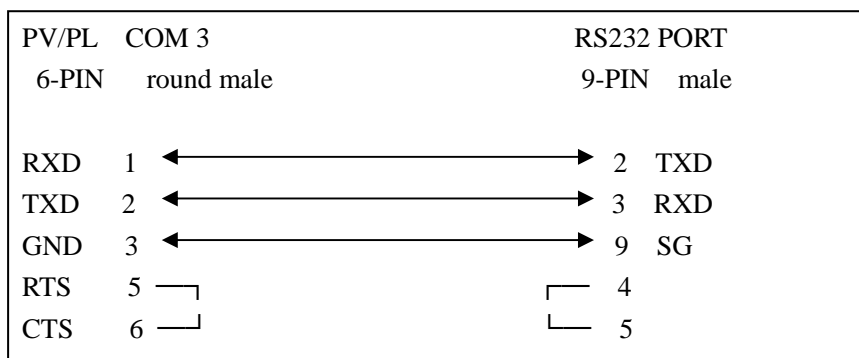
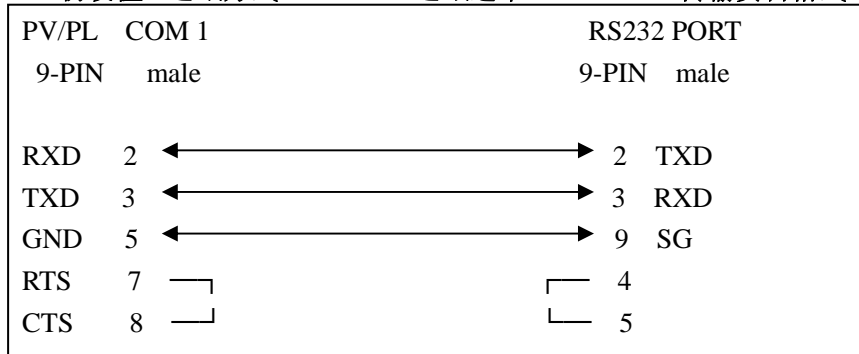
Mitsubishi FX0s,0n,1n,2n,3u 485DB

PM 初设值: 通讯方式: RS485 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)

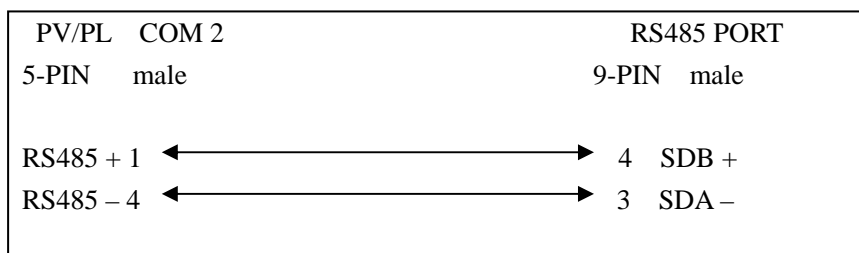
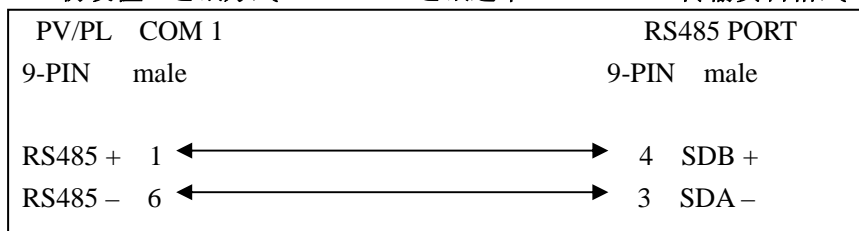


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| Omron C/CV/CS Series |
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PM 初设值: 通讯方式: **RS232** 通讯速率: **9600bs** 传输资料格式: (7, EVEN, 2)



PM 初设值: 通讯方式: **RS485** 通讯速率: **9600bs** 传输资料格式: (7, EVEN, 2)



注: OMRON 的 RS-485 选件板的拨动开关设置为:

1-OFF、2-ON、3-ON、4-OFF、5-ON、6-ON(详细内容请参见 Omron 手册)

VIGOR VB Series

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)

