

Mitsubishi Q Series Computer Link (3C Frame)

人机默认值

通讯速率：19200, 8, Odd, 1

控制器站号：0

控制区/状态区：D-0 / D-10

支持机种：DOP-B/HMC/H/W、DOP-100

控制器接线的说明

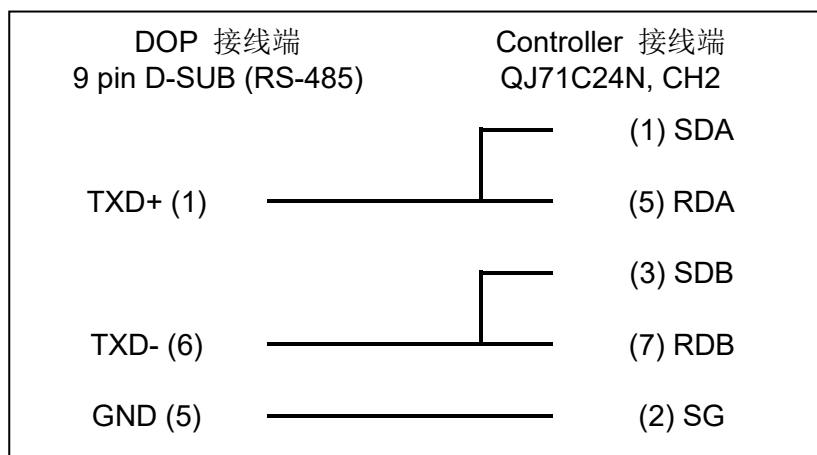
a. RS-232

| DOP 接线端 | | Controller 接线端 |
|----------------------|-------|----------------------|
| 9 pin D-SUB (RS-232) | | 9 pin D-SUB (RS-232) |
| RXD (2) | ————— | (3) SD[TXD] |
| TXD (3) | ————— | (2) RD[RXD] |
| GND (5) | ————— | (5) SG |
| | | (7) RS[RTS] |
| | | (8) CS[CTS] |
| | | (6) DSR[DR] |
| | | (4) DTR[ER] |

b. RS-422

| DOP 接线端 | | Controller 接线端 |
|----------------------|-------|----------------|
| 9 pin D-SUB (RS-422) | | QJ71C24N, CH2 |
| RXD+ (4) | ————— | (1) SDA |
| RXD- (9) | ————— | (3) SDB |
| TXD+ (1) | ————— | (5) RDA |
| TXD- (6) | ————— | (7) RDB |
| GND (5) | ————— | (2) SG |

c. RS-485



控制器 Read/Write 地址的定义

a. 寄存器

| 寄存器种类 | 符号格式 | 读写地址范围 | 数据长度 | 注 |
|------------------------|-------------|-----------------|------|--------------------------|
| | Word No.(n) | | | |
| Input | X-n | X-0 – X-1FFF | Word | 16 进位; 2 |
| Output | Y-n | Y-0 – Y-1FFF | Word | 16 进位; 2 |
| Direct Input | DX-n | DX-0 – DX-1FFF | Word | 16 进位; 2 |
| Direct Output | DY-n | DY-0 – DY-1FFF | Word | 16 进位; 2 |
| Latch Relay | L-n | L-0 – L-32767 | Word | 2 |
| Annunciator | F-n | F-0 – F-32767 | Word | 2 |
| Edge Relay | V-n | V-0 – V-32767 | Word | 2 |
| Step Relay | S-n | S-0 – S-8191 | Word | 2 |
| Link Relay | B-n | B-0 – B-7FFF | Word | 16 进位; 2 |
| Special Link Relay | SB-n | SB-0 – SB-7FF | Word | 16 进位; 2 |
| Internal Relay | M-n | M-0 – M-32767 | Word | 2 |
| Special Internal Relay | SM-n | SM-0 – SM-2047 | Word | 2 |
| Timer Value | TN-n | TN-0 – TN-23087 | Word | |
| Retentive Timer Value | SN-n | SN-0 – SN-23087 | Word | |
| Counter Value | CN-n | CN-0 – CN-23087 | Word | |
| Data Register | D-n | D-0 – D-45055 | Word | |
| Special Data Register | SD-n | SD-0 – SD-2047 | Word | |
| Index Register | Z-n | Z-0 – Z-19 | Word | |
| File Register | R-n | R-0 – R-32767 | Word | |
| File Register | ZR-n | ZR-0 – ZR-65535 | Word | 4 |

| | | | | |
|-----------------------|-------------|-----------------------|------|--------------------------|
| | | ZR-0 – ZR-FFFF | Word | 16 进位, 4 |
| Link Register | W-n | W-0 – W-657F | Word | 16 进位 |
| Special Link Register | SW-n | SW-0 – SW-7FF | Word | 16 进位 |

b. 接点

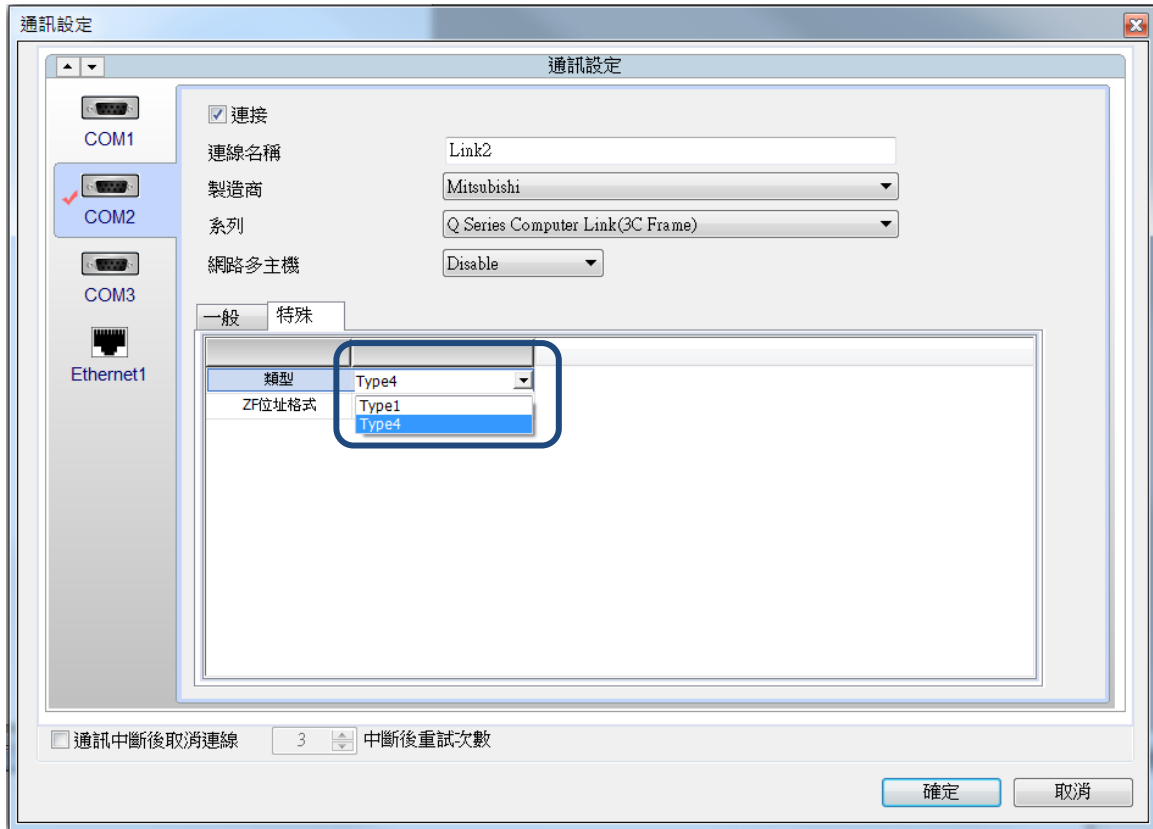
| 接点种类 | 符号格式 | 读写地址范围 | 注 |
|-------------------------|---------------|-----------------------------|--------------------------|
| | Bit No.(b) | | |
| Input | X-b | X-0 – X-1FFF | 16 进位 |
| Output | Y-b | Y-0 – Y-1FFF | 16 进位 |
| Direct Input | DX-b | DX-0 – DX-1FFF | 16 进位 |
| Direct Output | DY-b | DY-0 – DY-1FFF | 16 进位 |
| Latch Relay | L-b | L-0 – L-32767 | |
| Annunciator | F-b | F-0 – F-32767 | |
| Edge Relay | V-b | V-0 – V-32767 | |
| Step Relay | S-b | S-0 – S-8191 | |
| Link Relay | B-b | B-0 – B-7FFF | 16 进位 |
| Special Link Relay | SB-b | SB-0 – SB-7FF | 16 进位 |
| Internal Relay | M-b | M-0 – M-32767 | |
| Special Internal Relay | SM-b | SM-0 – SM-2047 | |
| Timer Contact | TS-b | TS-0 – TS-23087 | |
| Timer Coil | TC-b | TC-0 – TC-23087 | |
| Retentive Timer Contact | SS-b | SS-0 – SS-23087 | |
| Retentive Timer Coil | SC-b | SC-0 – SC-23087 | |
| Counter Contact | CS-b | CS-0 – CS-23087 | |
| Counter Coil | CC-b | CC-0 – CC-23087 | |
| Data Register | D-n.b | D-0.0 – D-45055.15 | |
| File Register | R- n.b | R-0.0 – R-32767.15 | |
| File Register | ZR-n.b | ZR-0.0 – ZR-32768.15 | 4 |
| | | ZR-0.0 – ZR-7FFF.F | 16 进位, 4 |
| Link Register | W-n.b | W-0.0 – W-1FFF.F | 16 进位 |



注1 此通讯协议必须先透过其编辑软件 GX Developer 设定参数。详细设定方法请查阅 PLC 原厂使用手册。

注2 元件地址需为 16 的倍数。

注3 可以透过 DopSoft 的通信设置→特殊参数，来设定 Format Type，预设是 Type 4。



注4 ZR 寄存器地址可以使用 10 或 16 进制输入方式，预设为 16 进制。切换方式如下图所示。

