

Connects up to Eight Multiple I/O Units to Profibus-DP

- Profibus-DP compliant slave unit.
- Allows flexible combinations of I/O points.
- A wide range of I/O-types available.
- DIN rail mounting.
- High/low byte swap mechanism.



Ordering Information

| Product Code | Description |
|--------------|-----------------------------------|
| PRT1-COM | Profibus-DP multiple I/O terminal |
| W900-E2-1 | Operation Manual |

Specifications

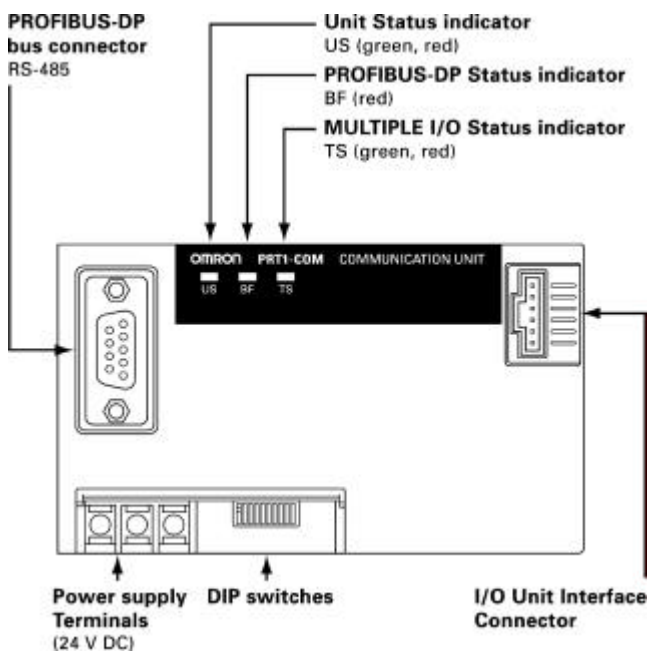
■ Communication Specification

| | |
|-----------------------------|---|
| Applicable standard | EN 50170 vol. 2 |
| Type | Profibus-DP Slave |
| Bus connector | 9-pin sub-D female |
| Bus termination | External |
| Baud rate (auto-detect) | 9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 kbit/s, 1.5 / 3 / 6 / 12 Mbit/s |
| Profibus address range | 0 to 125 |
| Communication cable | Type A (EN 50170 vol. 2) |
| Minimum slave interval time | 0.5 ms |
| Input data | 4 status bytes + max. 128 data bytes |
| Output data | max. 128 data bytes |
| Supported DP functions | \$ Data_Exchange \$ Slave_Diag \$ Set_Prm \$ Chk_Cfg \$ Global_Control (SYNC, FREEZE, CLEAR) \$ Get_Cfg \$ RD_Inp \$ RD_Outp |
| Profibus-DP GSD file | OC_047D.GSD |

■ Unit Specification

| | | |
|--|---|---|
| Number of MULTIPLE I/O Units | | 8 max. |
| Input data | | 128 bytes max. |
| Output data | | 128 bytes max. |
| MULTIPLE I/O power supply | | 0.3 A max. |
| Indicators | Unit Status LED green / red | OFF: Power not OK Green ON: Unit OK Green BLINK: Initialising Red ON: Unit error |
| | Bus Failure LED (Profibus-DP) red | OFF: No errors ON: \$ Response monitoring time has elapsed. The master did not address PRT1-COM within the configured watchdog time. \$ PRT1-COM was not parameterised or not properly configured. |
| | Terminal Status LED (MULTIPLE I/O) green / red | OFF: Power overload Green ON: Communication OK Green BLINK: Special I/O Unit Error Red ON: \$ Bus fault \$ Configuration fault \$ End station fault \$ I/O Unit over \$ Basic I/O Unit Error |
| Storage temperature | | -20 to +65 °C |
| Ambient temperature | | -10 to +55 °C |
| Ambient humidity | | 25 to 85% (non-condensing) |
| EMC compliance | | EN 50081-2, EN 61131-2 |
| Dielectric strength | | 500 VAC for 1 min. |
| Power supply | | 20.4 to 26.4 V DC |
| Current consumption on 24 V DC power supply | | Multiple I/O current consumption + 0.15 [A] |
| Inrush current | | 30 A max. |
| Weight | | 165 g (typical) |

Nomenclature



Dimensions

Note: All units are in millimeters unless otherwise indicated.

