

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

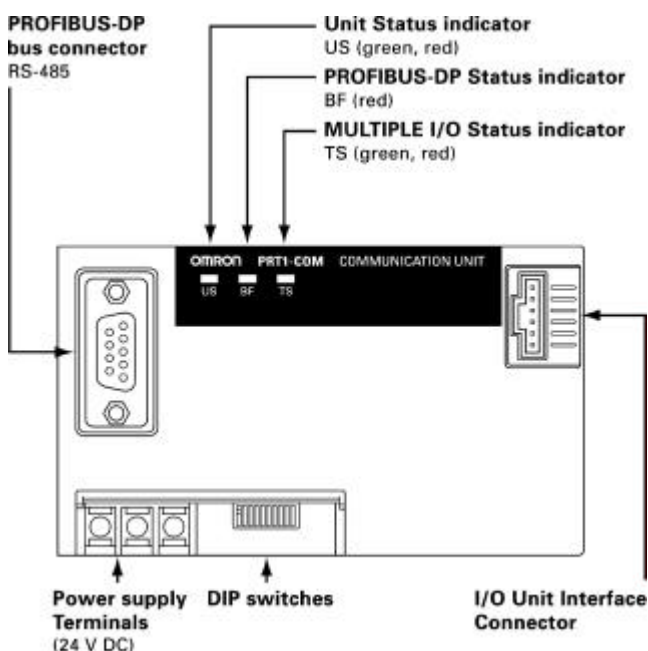
### ■ Communication Specification

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	S Data_Exchange S Slave_Diag S Set_Prm S Chk_Cfg S Global_Control (SYNC, FREEZE, CLEAR) S Get_Cfg S RD_Inp S 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: S Response monitoring time has elapsed. The master did not address PRT1-COM within the configured watchdog time. S 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: S Bus fault S Configuration fault S End station fault S I/O Unit over S 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.

