

ODW-631

RS-422/485 to fibre optic link, point to point applications



- ❑ Retiming
 - ❑ Data rate up to 1.5 Mbit/s
 - ❑ 4-position screw terminal connector
 - ❑ Switch selectable failsafe/termination
 - ❑ 2 and 4 wire applications
 - ❑ Redundant power supply inputs
 - ❑ Status interface for fault indication
 - ❑ LED fault indication (Red)
 - ❑ Design for harsh environments
 - ❑ -40 to 55°C operating temperature
- LC-2 Multimode LC connectors, 2 km
LC-15 Singlemode LC connectors, 15 km
LC-40 Singlemode LC connectors, 40 km
LC-80 Singlemode LC connectors, 80 km

Field of application

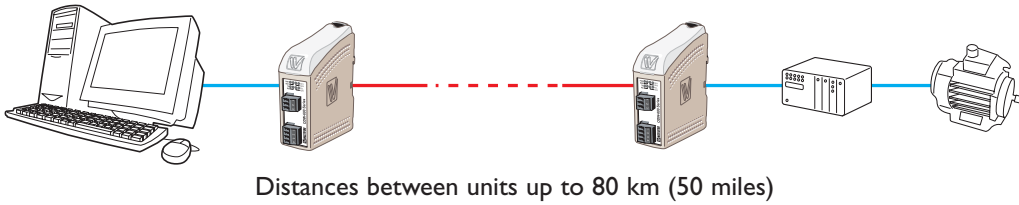
The ODW-631 is a fibre optic modem designed for point to point fibre optic connections between RS-422/485 networks or devices. The ODW-631 is designed for harsh industrial usage as well as road or railway installations meeting industrial level EMC specifications and having a wide operating temperature range.

The maximum distance of the fibre link depends on selected transceiver and fibre type. Fibre distances up to 80 km (50 miles) are possible using singlemode fibre.

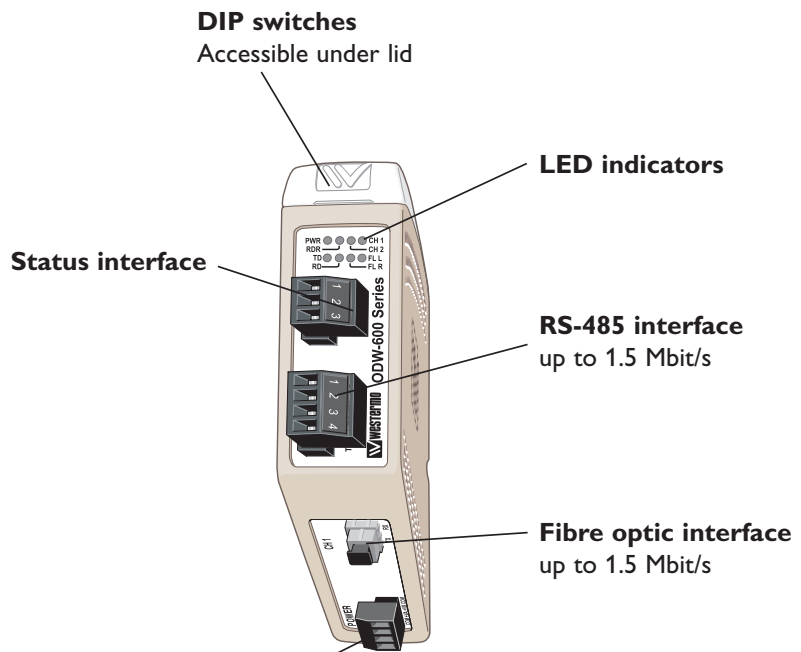
The unit also has a retiming function that eliminates the problem of jitter and hence ensures reliable communications in all situations.

It is possible to use the ODW-631 in conjunction with the ODW-621 to provide protocol conversion from RS-232 to RS-422/485 as well as the fibre optic link.

Application



Interfaces



Power

	ODW-631
Operating voltage	10 – 60 VDC, 20 – 30 VAC
Rated current	300 mA @ 12 VDC
Rated frequency	DC
Connection	Detachable screw terminal

Data sheet available on www.westermo.com