

Point-to-Point Fibre Converter RS-232

ODW-720-F1

- ⌘ Numerous fibre configuration options
 - Up to 120 km distance
 - BiDi support (single fibre)
 - Multimode and singlemode SFPs
- ⌘ Designed for use in industrial applications
 - Dual 10 V to 60 VDC power input
 - 500,000h MTBF according to MIL HDBK-217K
 - Galvanically isolated status output
- ⌘ Unique solutions for serial RS-232 protocols
 - Data rates to 250 kbit/s
 - Up to 12 data bits
 - Dual channel for status (RTS/CTS) transmission
- ⌘ Simple to use and install
 - Transparent to any data rate
 - Comprehensive diagnostic LEDs
 - Compact housing with integral DIN rail clip



EN 50121-4
Railway Trackside

EN 61000-6-1
Residential Immunity

EN 61000-6-2
Industrial Immunity

EN 61000-6-3
Residential Emission

EN 61000-6-4
Industrial Emission

The ODW-720-F1 has been designed to allow RS-232 protocols to be transmitted point-to-point over a fibre optic link. The design allows the use of a range of Westermo verified SFP (Small Form Pluggable) transceivers which can provide solutions with, for example, only a single fibre or distances up to 120 km.

This unit has been designed for industrial use where the requirement is for a long and reliable service life, in a harsh environment. To ensure this reliable operation we manufacture using the highest quality components.

The ODW-720 draws on Westermo's many years of knowledge of serial protocols and can even transmit the RTS/CTS hardware controls if required.

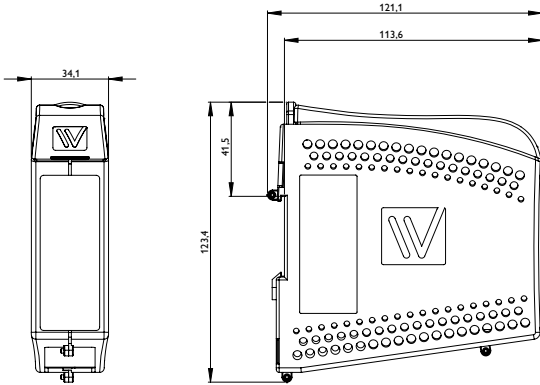
The ODW is simple to install, being small, with a simple integral DIN rail clip. The unit is totally transparent to any data rate so no configuration is needed. The comprehensive LEDs provide a quick and easy way of detecting any network problems that may be encountered.

Ordering Information

Art.no	Description
3651-0721	ODW-720-F1
3125-0001	PS-30, Power supply, DIN mounted (Accessories)

Specifications ODW-720-F1

Dimensional drawing



Dimension W x H x D 35 x 121 x 119 mm (1.37 x 4.76 x 4.68 in)
 Weight 0.26 kg
 Degree of protection IP21

Power	
Operating voltage	10 to 60 VDC and 20 to 30 VAC
Rated current	300 mA @ 12 V 150 mA @ 24 V 75 mA @ 48 V

Interfaces	
Status	1 x Detachable screw terminal
RS-232	1 x 300 bit/s – 250 kbit/s
FX (Fibre)	1 x LC Duplex or LC Simplex

Temperature	
Operating	-40 to +70°C (-40 to +158°F)
Storage & Transport	-40 to +70°C (-40 to +158°F)

Agency approvals and standards compliance	
EMC	EN 61000-6-1, Immunity residential environments
	EN 61000-6-2, Immunity industrial environments
	EN 61000-6-3, Emission residential environments
	EN 61000-6-4, Emission industrial environments
	EN 50121-4, Railway signalling and telecommunications apparatus
	IEC 62236-4, Railway signalling and telecommunications apparatus
	DNV Standard for Certification no. 2.4
Safety	UL/CSA/IEC/EN 60950-1, IT equipment