

# CERTIFICATE

Certificate Id: 2PAA108557\_Westermo\_ODW-710-F2

Category:	Fiber Optic Modem
Product Name:	ODW-710-F2
Vendor:	Westermo
Certification Test Report:	3BSE064299
Certification reference:	System 800xA Version 4.x, 5.x
Restrictions:	-

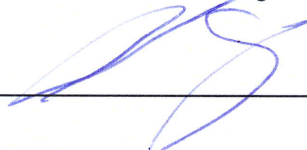
The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

The basis for the certificate is documented according to the Industrial IT Certification – Document Number 3BSE037356. The certificate is valid for the above mentioned Product versions until the next major release of the certified product or the certification reference system. With a major release of the certified product or the reference system, a new certification is required to keep the certificate current.

ABB AB  
721 59 Vasteras, Sweden

Date: 2012-02-29

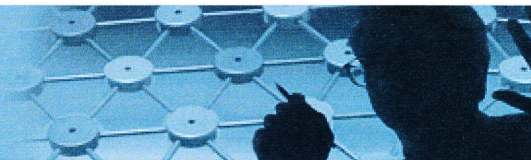
Representative for the official steering body for the Industrial IT Certification



Erik Oja

# ODW-710-F2

Industrial<sup>IT</sup> Certification



## Managed Switch

ODW-710-F2 is a fibre optic modem that converts between PROFIBUS DP to Fibre Optic Link. Repeater, line and redundant ring.

It is designed for redundant ring applications where rapid reconfiguration times are required. In case of a link failure, the ODW-710-F2 will switch over to a multi-drop topology within a few milliseconds, without any noticeable disturbance to the data traffic.

Certification results and product details are summarized below:

### Product Overview

<b>Family</b>	ODW
<b>Profibus DP protocol</b>	PROFIBUS DP / EN 50170
<b>Data rate</b>	9 600 bit/s, 19.2, 93.75, 187.5, 500 kbit/s, 1.5, 3, 6 and 12 Mbit/s
<b>Transmission range</b>	< 1200 m, depending on data rate and cable type (EIA RS-485)
<b>Model</b>	DIN-rail
<b>LED Indicators</b>	PWR, BA, DPR, FR, CH1, CH2, FL L, FL R
<b>Alarm Contact</b>	No
<b>Input Voltage</b>	Dual 10-60 VDC / 20-30 VAC
<b>Casing</b>	IP21
<b>Environment</b>	-40 to +60°C, 5-95% relative humidity

### Product Details in tested sample

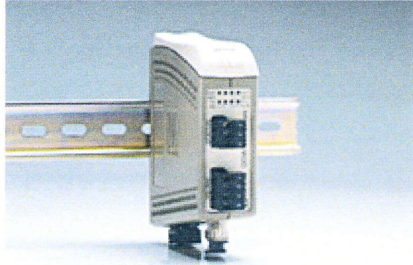
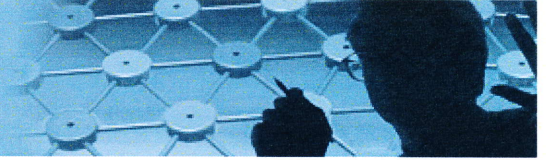
<b>Product name</b>	ODW-710-F2
	Standard 9 pin Profibus D-sub connection

### Engineering

<b>Configuration and installation</b>	DIP-switches
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# ODW-710-F2

## Industrial<sup>IT</sup> Certification



The ODW-710-F2 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. It is able to automatically detect the data rate of the connected PROFIBUS DP device and hence needs minimal configuration prior to use. The unit also has a re-timing function that eliminates the problem of jitter and hence ensures reliable communications in all situations.

The unit has LED indication to display fault conditions as well as relay contacts that can be connected to a PLC or similar device to allow network problems to be diagnosed at a central point.

The ODW-710-F2 closely supports the 800xA Extended Automation System Value Propositions as noted below:

### 800xA Value Proposition Mapping

✓	<b>Reducing Time to Decision and Action</b> - Easy configuration via DIP-switches
✓	<b>Engineering for Maximum Performance</b> - Minimal configuration prior to use
✓	<b>Reducing Risk through High Integrity Automation</b> - Well prepared for harsh industrial environments
✓	<b>Investment Enhancement through Evolution</b> - Continuation of product development