



HIRSCHMANN

Automation and Network Solutions

*line* INDUSTRIAL

# Fiberoptic Modem for Modbus Plus



Remote monitoring possible  
using signalling contact

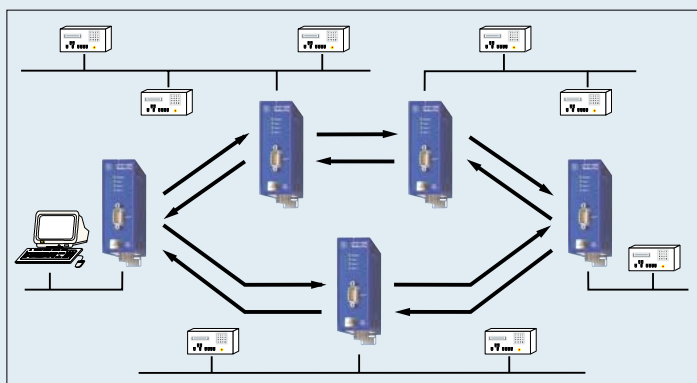
Interference-resistant  
optical fiber technology

High transmission reliability  
due to HIPER ring topology

# Fiberoptic Modbus Plus: A step in the direction of increased plant availability.

The optical fiber modem OZD Modbus Plus G12 opens up a new level of reliability for data transmission: HIPER ring technology is added to interference-resistant optical fiber cable, in this way a protection mechanism against plant standstill on cable break is provided.

On the loss of a connecting cable the data link is available again within a few milliseconds.



To ensure that the plant operator is warned about the malfunction that has been compensated, the OZD Modbus Plus G12 has a floating signalling contact and LED's. The indicators also accelerate commissioning and servicing of the plant.



## Technical data

Type	Order No.
<b>OZD Modbus Plus G12</b>	<b>943 740-021</b>
Power supply	DC 18 ... 32 V (redundant)
Data rate	1 Mbit/s
Electrical connection	9-pin, Sub-D
Optical connections	BFOC 2.5 (ST®)
Number of OZD Modbus Plus G12 in the ring	max. 20
Optical fiber type	Multimode G 50/125 or G 62.5/125
Optical fiber length	2500 m
Temperature range	0 °C ... 60 °C

## Product characteristics

- Electrical interface in accordance with Modbus Plus Standard
- Redundant power supply
- Redundant ring topology
- Floating signalling contact
- Commissioning and servicing aids via LEDs
- Metal housing
- Screw fixing or DIN rail mounting

DS 280 720-833-01-1201  
Printed in Germany.  
Errors and omissions excepted.  
Specifications subject to change.

Hirschmann Electronics GmbH & Co. KG  
Automation and Network Solutions  
Stuttgarter Straße 45-51  
D-72654 Neckartenzlingen  
Tel +49-7127-14-1479/-1480  
Fax +49-7127-14-1495/-1496/-1502  
E-mail [ans-hi-line@nt.hirschmann.de](mailto:ans-hi-line@nt.hirschmann.de)  
Internet [www.hirschmann.com](http://www.hirschmann.com)