

**Serial RS232/422/485 to multimode fiber optic media converter, multipoint & fault tolerant**



Thanks to the latest technologies, the RD300-OFR allows you to connect easily and quickly your industrial serial links to the optic fiber network.

Using optic fiber enables to use an higher bandwidth while keeping safe from EMI/RFI interferences for increased security.

The optical fiber still offers other advantages : use without risk in an explosive environment, no EMC emission, no ground loops, immunity against lightning and high voltage environments, they are finally lighter, less cumbersome, inert and corrosion resistant ...

The RD300-OFR is « Plug & Play » features an original mechanism of self configuration (CPLD) which freed you from the tiresome operation which consist in the serial parameters setup.

Moreover, the equipment also features a security system which controls the fiber and signals any breakdown on a LED while activating a relay contact in order to connect any safety external system.

The RD300-OF is designed to satisfy to point to point, simple ring, single master, dual master,

redundant ring, dual ring dual master, dual point to point, star and repeater topologies.

The RD300-OFR is MODBUS, UNITELWAY, PROFIBUS, DH+ compatible as well as with any other ASCII or binary serial protocols ... it supports a speed of 2 Mbps on the RS422/485 interface and 1 Mbps for RS232.

Copper link is protected against ESD and available on a Pluggable solderless screw terminal field, product uses ST type connectors for the fiber.

Power budget available is 22.4 dB, a 5 & 11dB attenuation mechanism can be activated depending to the length of the fibre, maximum distance is 5500m.

The RD300-OFR is powered from a DC source (+9VDC to +36VDC), it is presented in a robust and compact metal case, cabinet or 35mm Din Rail mounting.

Its small size, design features and its great adaptability make the RD300-OFR a really universal product capable to satisfy to major needs of the industry.