![Westermo logo]

Fibre optic repeater for TP/FT-10
LRW-102PP

- LONWORKS®, TP/FT-10, 78 kbit/s
- Distances up to 20 km
- Multi-/single mode fibre
- LC-connectors
- Point to point
- Transparent repeater function
- Optical signal regenerated
- Alarm output indicating Fibre failure
- 10 – 60 VDC supply
- Easy to install
- 35 mm DIN-rail housing

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EN 61000-6-1
Residential Immunity

EN 61000-6-2
Industrial Immunity

EN 61000-6-3
Residential Emission

EN 61000-6-4
Industrial Emission

LONWORKS® to fibre optic link, point-to-point applications   The LRW-102PP is a fibre optic modem designed for point-to-point fibre opticconnections between LONWORKS® networks.

The LRW-102PP offers an easy way to extend the distance between LONWORKS® 78 kbit/s TP/FT network segments using a fibre optic link.

The LRW-102PP 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 unit also has a re-timing function that eliminates the problem of jitter andhence ensures reliable communications in all situations.

The units are well prepared for use in harsh industrial environments. Total galvanic isolation and transient protection are standard for all interfaces. The line interfaces are also equipped with extensive protection against over-currents and voltage suppression.
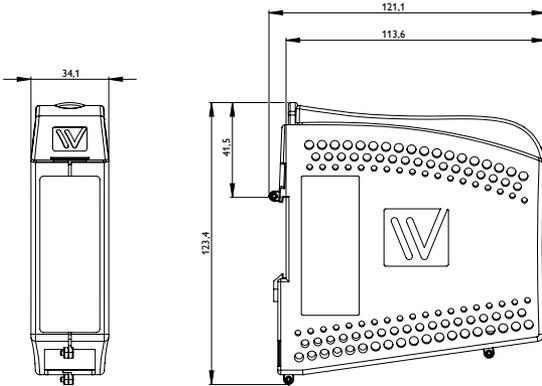
The DIN mounted case of the unit makes it easy to mount. The surrounding air temperature can be between –40 to 70°C. To allow for uninterrupted communication the units are designed with redundant power inputs that can be powered from two separate supplies and handle an operating voltage range of 10 – 60 VDC..

Ordering Information

Art.no	Description
3650-1001	LRW-102PP-MM-LC2
3650-1010	LRW-102PP-SM-LC15

Specifications LRW-102PP

Dimensional drawing

Dimension W x H x D	34 x 123 x 121 mm (1.33 x 4.84 x 4.76)
Weight	0.26 kg
Degree of protection	IP21

Power	
Operating voltage	10 to 60 VDC 20 to 30 VAC
Rated current	400 mA @ 12 VDC 200 mA @ 24 VDC 100 mA @ 48 VDC

Interfaces	
Status	1 x 2-position detachable screw terminal
TP/FT-10	1 x 78.5 kbit/s
FX (Fibre)	1 x SM-LC15 LC / MM-LC2 or 1 x Bi-di LC-20 / Bi-di MM LC-2

Temperature	
Operating	−40 to +60°C (−40 to 140°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
Safety	EN 60950-1, IT equipment