



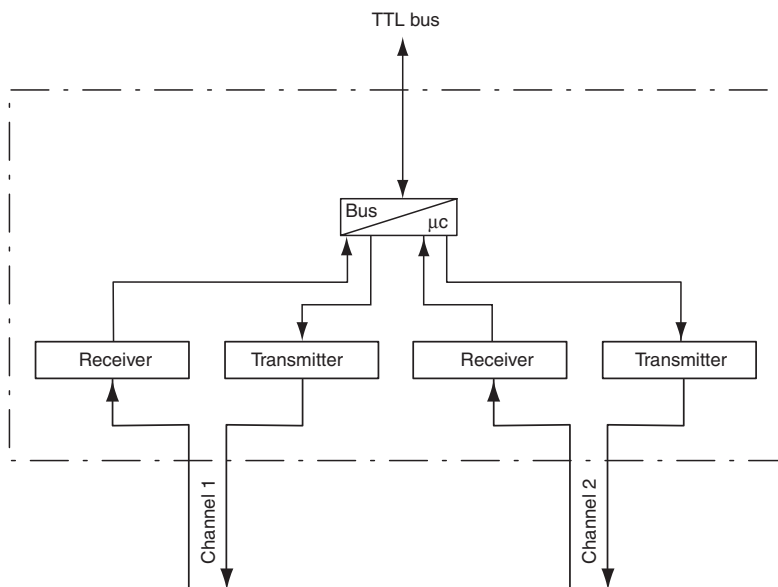
- Converts the TTL signals of the ControlNet copper/fiber optic adapter into LWL signals
- Installation in the safe area
- Transfer range up to 3 km
- Transfer rate 5 Mbits/s
- Two bi-directional fiber optic connections
- Power supply channel via the copper/fiber optic adapter

Function

This component is a simple TTL to LWL (light wave guide) or LWL to TTL converter. It converts TTL signals of the copper/LWL adapter into LWG signals and vice versa.

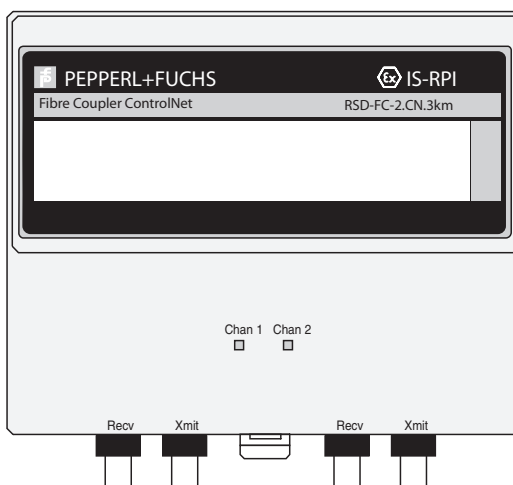
The module has two bi-directional channels and is suitable for LWL transmission distances of up to 3 km.

Connection



Composition

Front View



Release date 2010-03-08 11:19 Date of issue 2010-03-08 044821_ENG.xml

Supply	
Connection	30-pin bus connector
Internal bus	
Connection	TTL bus
Interface	manufacturer specific bus
External bus	
Connection	optical wave guide (LWL)
Interface	ControlNet international version 1.5
Transfer rate	5 MBit/s
Fiber optic type	62,5/125 micron
Fiber optic connection	ST (plastic or ceramic)
Fiber optic wave length	1300 nm
Directive conformity	
Electromagnetic compatibility	
Directive 2004/108/EC	EN 61326-1:2006
Standard conformity	
Protection degree	IEC 60529
Climatic conditions	DIN IEC 721
Ambient conditions	
Classification	3K3
Ambient temperature	-20 ... 70 °C (253 ... 343 K)
Storage temperature	-20 ... 100 °C (253 ... 373 K)
Relative humidity	95 % non-condensing
Shock resistance	15 g peak, 11 ms period
Vibration resistance	2 g , 10 ... 500 Hz according to IEC 60068-2-6
Mechanical specifications	
Connection type	optical wave guide (LWL)
Protection degree	IP20, for in-situ installation a separate housing is required with a minimum of IP54
Mass	approx. 140 g
Mounting	DIN rail mounting
Data for application in connection with Ex-areas	
Supply	only in connection with RSD-CFA-CN
Internal bus	customer specific
Electrical isolation	
Internal/external bus	optical wave guide (LWL)
External bus/power supply	optical wave guide (LWL)

Note

You can find light wave guides and the related LWL connecting accessories in the relevant ControlNet catalogues of Rockwell Automation/Allen-Bradley.