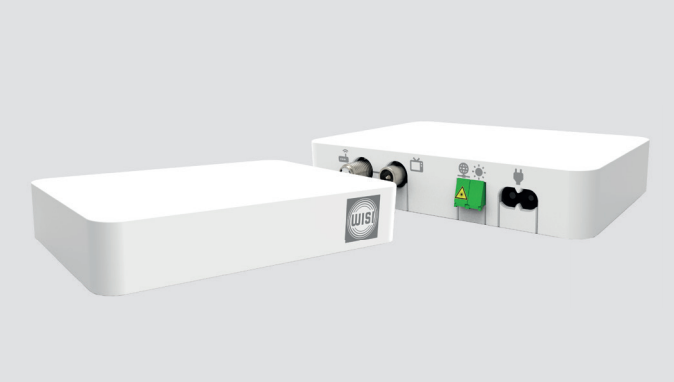
Product information

WISI LR 11 T xxx0

RF Overlay Receiver for FTTH applications

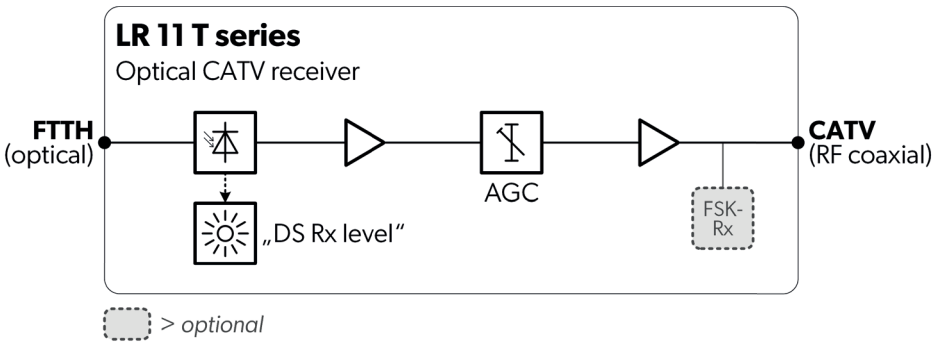


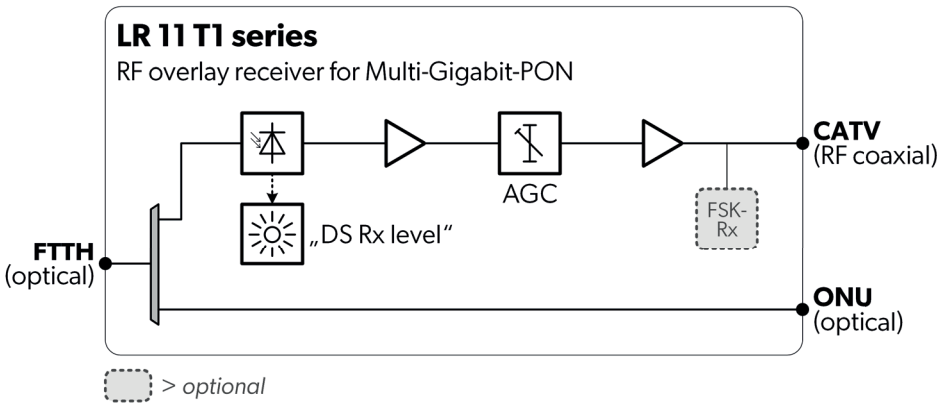
At a glance:

- FTTH RF Overlay Receiver
- Living room adopted case design
- Optional Remote Control feature according to EN 60728-14, 862 MHz
- Single fiber operation
- Extremly low-noise receiver
- Optical ALC

Description

The LR 11T RF overlay receiver is the perfect complement for FTTH applications when it comes to placement in living spaces, and with its elegant housing design it fits perfectly into any type of apartment. Typical fiber-to-the-home scenarios are covered by this receiver. This RF overlay receiver, which is connected via a single fiber, optionally supports the decoupling of PON wavelengths for the connection of a PON ONU (Optical Network Unit). The optical ALC and the optional remote control functions ensure a smooth rollout and operating process for all types of cable network operators.





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Technical data	
Downstream	
Wavelength	1555 nm (± 5 nm)
Optical return loss	>40 dB
Output return loss	>18 dB
Frequency range	47...1218 MHz
Outputlevel flat (121 x QAM256), (EN60728-3-1)	2x 60 dBµV (BER <1 exp-9), (@ 2,5% OMI)
Optical input power	-6...+3 dBm
Amplitude response	< ±1 dB
ALC accuracy	±1 dB
Equivalent noise input	max. 4,5 pA/√Hz
PON-WDM (optional)	
PON wavelengths	1260...1500 nm & 1570...1620 nm
Insertion loss	< ±1dB
Isolation COM -> PON	> 35 dB
Isolation COM -> RF / PON -> RF	> 20 dB
Interfaces	
Optical connector	LC/APC (SC/APC for non WDM-variants only), (see order code)
RF connector	F-Typ, IEC male/female (see order code)
General data	
Supply voltage	230 V AC
Power consumption	<3,5 W
Output impedance	75 Ω
Dimensions (width x height x depth)	150 x 111 x 31 mm
Electro Magnetic Compatibility (EMC)	EN50083-2
Ambient temperature	0...40 °C