

# M9110-002

## Bidirectional Beckhoff Lightbus amplifier

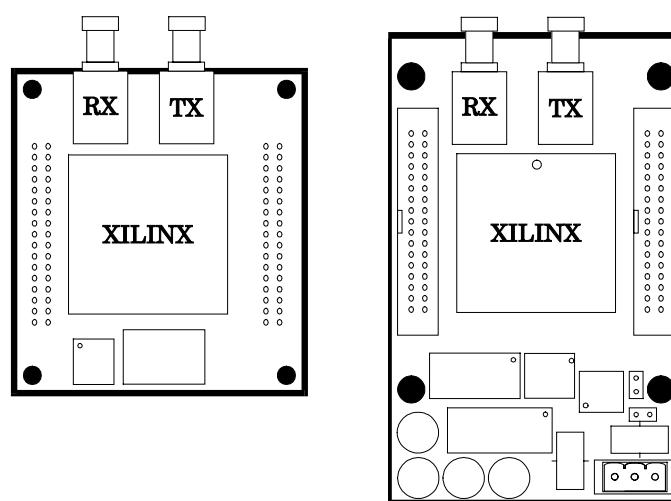


The bidirectional Beckhoff Lightbus amplifier M9110 is used for polymer fibre optic cable with a length of more than 45 m, and if glass fibre optic cable should not be used.

The module M9110 contains two amplifiers to amplify in both directions of the Beckhoff Lightbus fibre optic ring.

One M1200 and one M1210 module are used as amplifiers. The 32 CMOS in-/outputs are not used. The M1210 contains a power supply, which converts the 24 V DC input to 5V Output. The M1200 is supplied by the M1210.

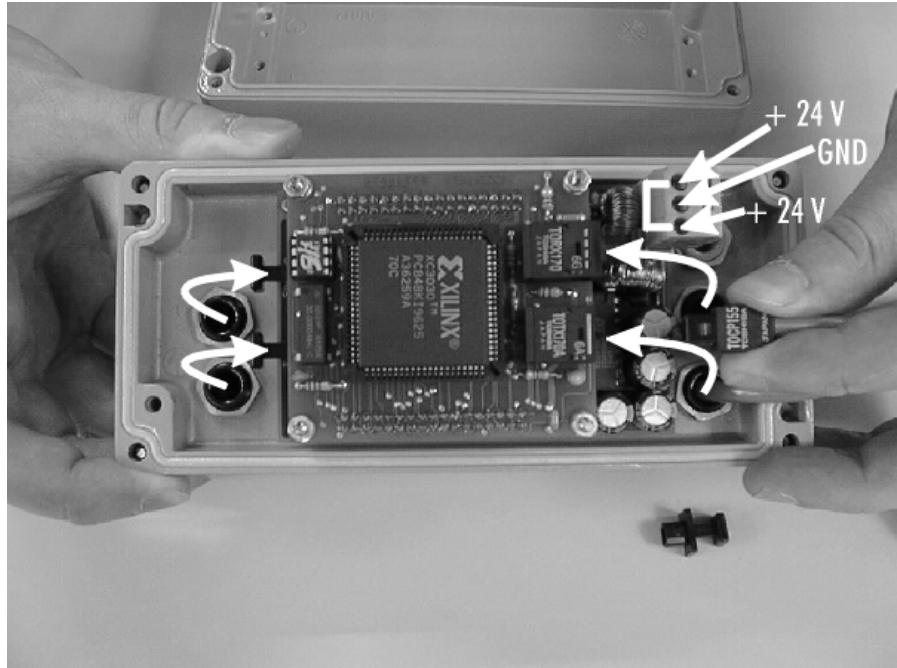
*Left: M1200  
Right: M1210*



Technical data	M9110-002
fibre optic system	Beckhoff Lightbus
fibre optic cable	Beckhoff Z1101
fibre optic connectors	Beckhoff Z1000
Power Supply	24 V DC +/- 10 %
Current input	200 mA
Temperature area for use	0 bis +55 °C
Temperature area for storage	-20 bis +70 °C
Protection	IP65
Measuring	(W x H x D) 80 x 175 x 52 without cable

## Assembly

The housing must be opened.



The connector which is emitting red light on active I/O-Lightbus has to be connected to the socket „IN“. The label „IN“ and „OUT“ can be found on the top of the housing.

Refer to the Beckhoff fibre optic assembly manual.

### Software

In the control software the module M9110 mußt be inserted as two seperate modules. The amplifier modules are placed in different parts of the Beckhoff-Lightbus ring.