

RS-485 Network termination module **LT-04**

WARRANTY. The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a complaint can be found on the website: www.fif.com.pl/reklamacja



Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.

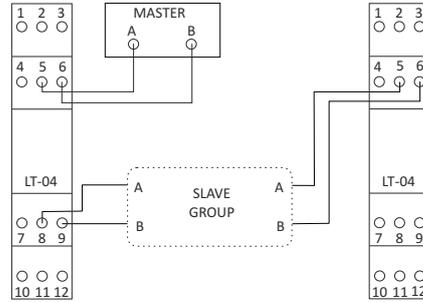
Purpose

The LT module is used for termination, polarization and amplification of the signal line of the RS-485 network.

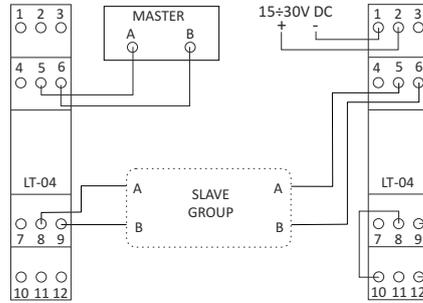
Functioning

Termination means ending the signal line (UTP wire) with suitable resistances in order to maintain a consistent wave resistance across the line, which greatly improves the quality of transferred data and eliminates errors that emerge on the signal line. Line polarization is performed in case where at least one of the Slave-type devices in the RS-485 network does not have a GND signal point. Polarization is performed only for the MASTER-type device. Signal amplification is done via active power supplying of the line with low voltage through one of the modules.

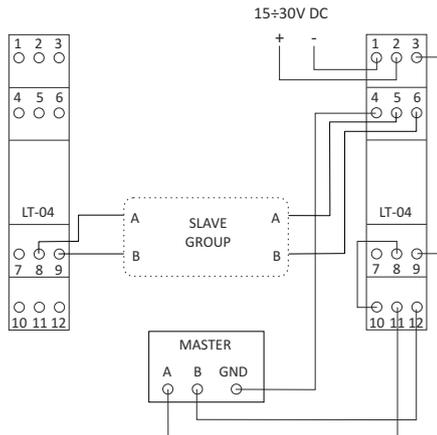
Network termination circuit



Signal amplification circuit (with termination)



Network polarization circuit (with termination) for Slave devices without GND



Assembly

1. Turn off the power.
2. Place the dimmer on rail in switchgear.
3. Connect the module to the ends of the signal network of the RS-485 port according to the scheme of termination or polarization.

Technical data

power supply	15±30V DC
current of the system	<10mA
working temperature	-25÷50°C
terminal	2.5mm ² screw terminals
dimensions	1 module (18mm)
mounting	on TH-35 rail
ingress protection	IP20