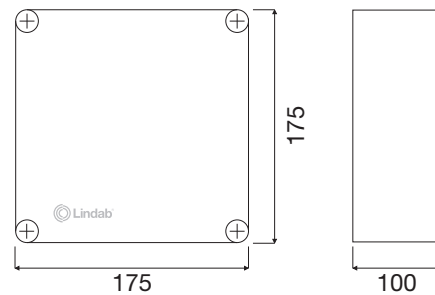


Signal repeater

FDS-R



Dimensions (mm)



Description

The FDS-R repeater unit is required if more than 30 slave units are installed, to enhance the RS485 signal quality.

The FDS-R is provided with its own 230 V stabilized power supply.

Both RS485 cables as the 24 V DC power supply are connected to FDS-R via removable 10-Pin terminal blocks.



Ordering example

Type

Signal repeater

FDS-R

Technical data

Supply voltage	24 V DC (+ 10 V DC - + 30 V DC, non-isolated)
Power consumption	2.16 W
Serial interface RS485	Data+, Data-
Cables	Belden 9841 (2P twisted-pair cable)/Belden 9842 (4P twisted-pair cable), if different cables are used, the transmission distance may change
Baud rate	Automatic switching between 300 and 115200 bps
Isolation	2-way 3000 V DC isolation protection
ESD protection	Yes
LED indicators	Available for Power/communication
Operating temperature	-25...+75°C
Storage temperature	-30...+75°C
Humidity	10...90 % RH, non-condensing
Flammability	Fire Retardant Materials (UL94-V0 Level)
Connector	Plug-in screw terminal block
Material, casing	Plastic
Mounting	DIN-Rail
Dimensions (HxWxD)	122 x 72 x 35 mm
CE	This product conforms with the EMC requirements of European harmonised standards. For the evaluation regarding EMC, certain standards were applied to RFI Emission and Immunity. FDS-R carries the CE and RoHS marks.

Wiring diagram

