



DATASHEET

Issue 1.0

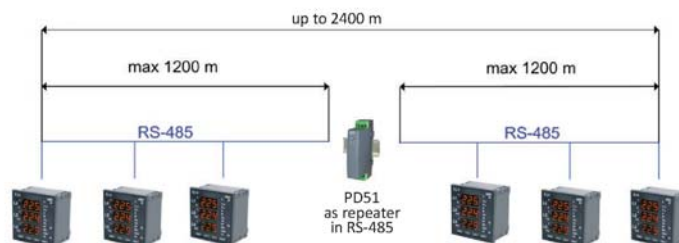
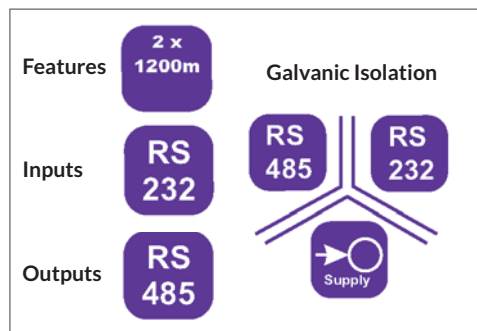
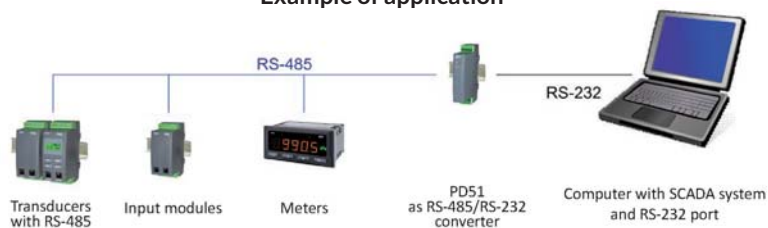


PD51 CONVERTER OF RS-232/RS-485 INTERFACES

Features

- Exchange of the RS-232 interface into industrial RS-485 interface
- Enables the bus range and the number of devices increase in the RS-485 network
- Ensures the automatic control of the data flow direction
- In order to protect devices at both sides of interfaces, a galvanic separation is applied in the converter.

Example of application

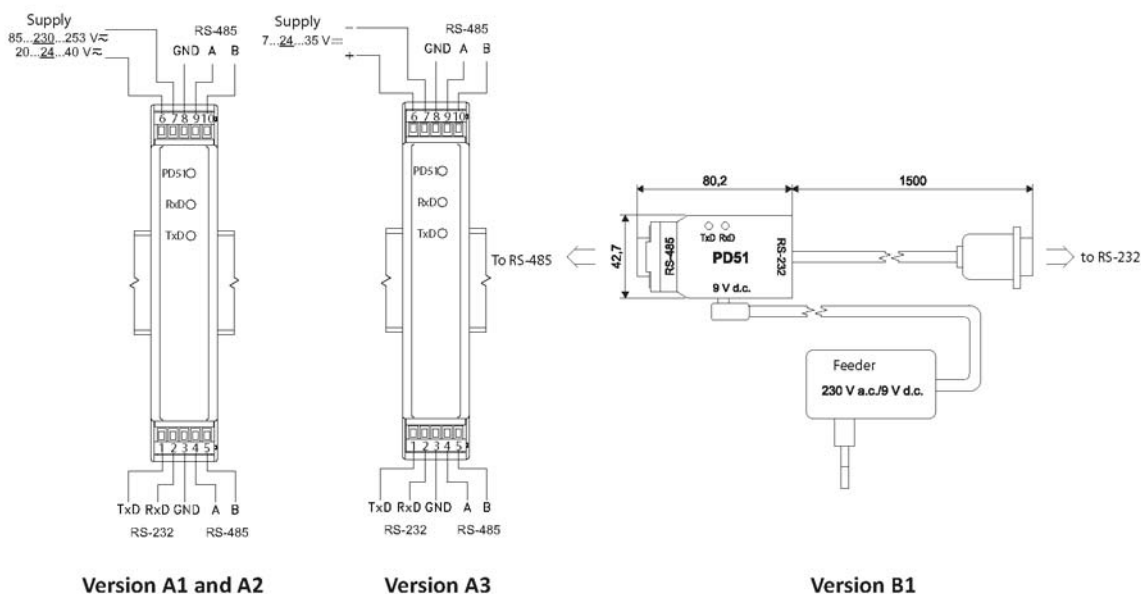


SUBJECT TO CHANGE WITHOUT NOTICE

This manual superseded all previous versions – please keep for future reference

Digital Interface		
Interface type	Properties	
RS-485/RS-232	Transmission rate:	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 Mb/s
	Steering of the data flow direction:	automatic
	Working mode:	converter or repeater
External Features		
Overall dimensions	52 x 44 x 24 mm	
Weight	0.1 kg	with packing
Protection grade	Housing: IP40	from terminal side: IP20
Fixing	On a rail	
Rated Operating Conditions		
Supply voltage	7...35 V d.c. or 20...24...40 V a.c./d.c. or 85...230...253 V a.c./d.c.	Input power: ≤ 1.5 Va Supply frequency: 40...50...440 Hz
Temperature	Ambient: 0...23...55°C	Storage: 0...70 °C
Relative humidity	< 85%	
Operating position	any	
External magnetic field	400 A/m	
Admissible sinusoidal vibrations	Frequency: 10...150 Hz	Shift amplitude: ≤ 0.35 mm
Safety and Compatibility Requirements		
Electromagnetic compatibility	Noise immunity	acc. to EN 61000-6-2
	Fastness against supply decays	acc. to EN 61000-6-2
	Emission of radio electric perturbations	acc. to EN 61000-6-4 acc. to EN 61010-6-1
Pollution level	2	
Installation category	III	
Maximum phase-to-earth operating voltage	For supply circuits: 300 V, For other circuits: 50 V	

Connection Diagrams





Ordering

Converter of RS-232/RS-485 interfaces	XX	XX	X
Supply voltage: on-rail version: 85..230..253 V a.c./d.c. 20..24..40 V a.c./d.c. 7..24..35 V d.c. portable version 9 V d.c.	A1 A2 A3 B1		
Version: standard custom - made *		00 XX	
Acceptance tests: without additional requirements with an extra quality inspection certificate acc. to customer's request *			8 7 X

* after agreeing with the manufacturer

Ordering example:

The code: **PD51 - A1 00 7** means:

PD51 - Converter of PD51 type

A1 - supply voltage: 85...230...253 V a.c./d.c.

00 - standard version

7 - with an extra quality inspection certificate

Contact



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