



INTRODUCTION

The repeater provides 2-way optical isolation between one piece of RS-485 equipment and the rest of the system. It can also be used as a repeater to extend the transmission of an existing network. Additionally, an RS-485 system can be expanded beyond the 256 node limitation imposed by the standard.

SYSTEM SPECIFICATIONS

Interfaz

Serial Interface:	RS-485 / Data+, Data-
Transfer Distance:	Max. 1,200 m at 9.6 kbps; Max. 400 m at 115.2 kbps (Belden 9841 2P twisted-pair cable, if different cables are used, the transmission distance may change).
Self-Tuner Asic Inside:	Yes
Speed:	300 ... 115.200 bps
Electrostatic protection:	Yes
3000 VDC Isolated Voltage:	2-way Isolated
Connetion:	Removable 10-Pin Terminal Block x 2

LED Indicators

Power/Communication:	Yes
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Power

Input Voltage Range:	+10 VDC ... +30 VDC (Non-isolated)
Power Consumption:	2,16 W

Mechanical

Casing:	Plastic
Flammability:	Fire-Retardant
	Materials (UL94-V0 Level)
Dimensions:	72 mm x 122 mm x 35 mm
Installation:	DIN-Rail

Environment

Operating Temperature:	-25 °C ... +75 °C
Storage Temperature:	-30 °C ... +75 °C
Humidity	10 ... 90 %, non-condensing

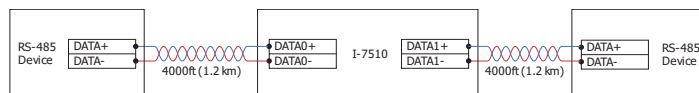
PIN ASSIGNMENTS



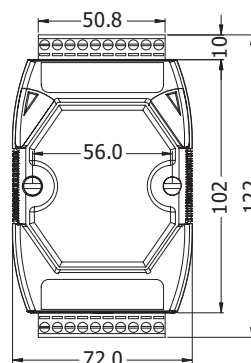
Terminal No.	Pin Assignment	Terminal No.	Pin Assignment
01	DATA+	20	DATA1+
02	DATA-	19	DATA1-
03	--	18	--
04	--	17	--
05	--	16	--
06	--	15	--
07	--	14	--
08	--	13	--
09	(R)+Vs	12	--
10	(B)GND	11	--

APPLICATIONS

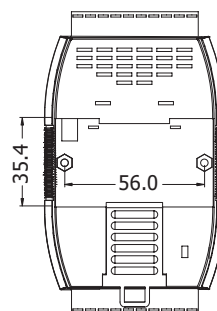
RS-485 to RS-485 Repeater (Only for half duplex application)



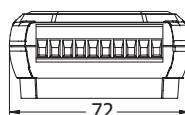
DIMENSIONS



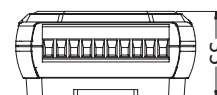
Front View



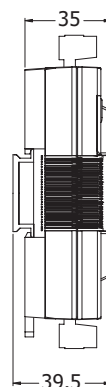
Rear View



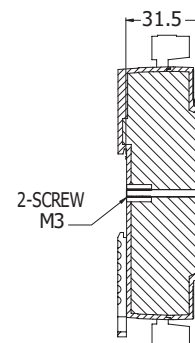
Top View



Bottom View



Din-Rail Mounting Bracket



Side View