

RS485 ISOLATOR REPEATER

DDIR S SERIES



SYNOPSIS

- DDIR S IS USED TO EXPAND LINE DRIVING CAPABILITY OF RS485 BEYOND 1.2 KM.
- IT CAN ALSO BE USED AS RS485 ISOLATOR.
- THEY ARE USED FOR PROVIDING ISOLATION TO SERIAL INTERFACE.
- WITH HIGH DEGREE OF PROTECTION, IT KEEPS THE COM PORT OF YOUR EQUIPMENT SAFE.

SPECIFICATIONS

COMMUNICATION

Input/Output	RS485 2 Wire
Speed	1200bps to 115 Kbps
Cable Distance	1.2Km on both sides @ 9600bps
Cable Impedance	90Ω/km
LED Indications	TX, RX & Power ON

MECHANICAL

Connector	Input, Power, Output : Screw type Terminal blocks
Enclosure	ABS, DIN Rail Mounting
Dimensions	45mm L x 110mm D x 75mm H

PROTECTION

Isolation Method	Power to Input, Power to Output & Input to Output
Optical Isolation	3000 V DC
Galvanic Isolation	3000 V DC
ESD Protection	15KV on all Data lines
Surge Protection	4KV Lightning / Surge Protection 600W on all Data lines

POWER

Power Supply	230V AC. Range 110 to 270 V AC, 50 Hz 24V DC. Range +/- 10% 48V DC. Wide Range 18 to 72V DC
Protection	Short Circuit, Reverse Polarity (for DC Input)
Power Consumption	1.2 watts

OPERATING CONDITIONS

Operating Temperature	0 - 65° C
Relative Humidity	5 – 95 % - non-condensing

ORDERING CODE

DDIR S XXX

DDIR S	Databridge Dynamic Isolator Repeater	
XXX	24	24V DC
	48	48V DC (18 to 72V DC)
	230	230V AC (90 to 260V AC)