# RS-485 to RS-422 repeater

## Model: MWE485-Y

#### Brief introduction

The MWE485-Y can convert the 2 wires RS-485 signal to 2 wires RS-485 signal or

4 wiresRS-422 signal with port isolation and extend the communication distance.

#### Main function

•Opto-isolation of high rate between RS-485/422;

•Intelligent module design, automatically transmit with no delay, no need CTS flow control;

Industry level design, excellent import element chosen, all surface adhibit technics.

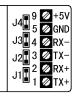
#### • Capability parameter

Power Supply	External power supply, DC5V					
Working current	<15mA					
Baud rate	300~115.2Kbps					
Communication	Extending distance more than 1.2/m/0.6/(has)					
distance	Extending distance more than 1.2Km(9.6Kbps)					
Max node	128 nodes					
Isolation protection	15Kv static protecting and 600W/ms lightning					
	protecting					
Weight	38g(with the terminal block)					
Dimension	107mm×33mm×17mm(with the terminal block)					
Workingtemperature	-40°C~85°C					

## PIN Setting

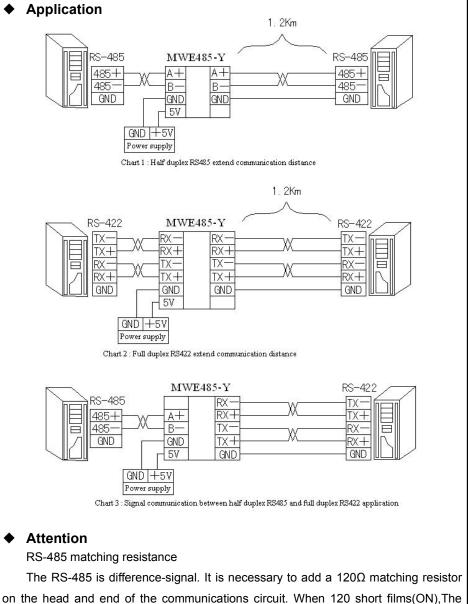
The RS-485/422 end is DB9 pin, the pin definition is as below :

PIN	1	2	3	4	5	9	6	7	8	4
Short circuit	J2(ON/OFF )		J3(ON/OFF)				J1(ON/OFF)		J4(ON)	
RS-485	A+(J	2 ON)	B-(J3 ON)		GND	5V	J1 (ON)		Short	
RS-422	(J2	OFF)	(J3 OFF)						circuit	
	TX+	RX+	тх-	RX-	GND	5V	J1 (OFF)		(ON) 120Ω	



•Do not connection any external power between 5V and GND ports, parameters is only for information;

•A 120 $\Omega$ resistor can be added in between the A+ and B- by pluging on the jumper marked as 120.



load ability will reduce when using the matching resistance. We suggest that it is necessary to use it only when the rate is above 19.2Kbps or the circuitry length is above 200m.

## Quality promises

- 1. We can exchange the product in 1 years for the quality problem.
- 2. We guarantee to keep the product in good repair for 5 years.