

Document Name: User Manual for SC04-M2, RS 232 TO RS 485 (2 WIRE) CONVERTER.

## INTRODUCTION

SMARTCONVERTER –SC04 M2 converts RS 232 signal to RS 485 2 Wire (Isolated differential level) signal. It works on 48V DC supply with Auto Baud Rate (ABRT) Feature enable up to 115kbps. LED indications for Serial transmissions & Power are provided. True 3 way 3KV Isolation is provided along with additional Surge & ESD protection on data lines.

## RS232 INTERFACE DETAILS

RS 232 Connector : 9 Pin D Type Female

### Recommended cable connection for RS232C side

Your Serial Port	Signal	SC04-M2 SIDE
9 Pin D Type	25 Pin D Type	9 Pin D Type (Male)
1	8	DCD
2	3	RxD
3	2	TxD
4	20	DTR
5	7	GND
6	6	DSR
7	4	RTS
8	5	CTS
9	22	RI

### Direction of RS232C signal

PIN	DIRECTION
2	OUTGOING FROM SC04
3	INCOMING FOR SC04
5	GND

## RS485 INTERFACE DETAILS

RS 485 Connector : 2 Pin Screw type Howder

SIGNAL of SC04U	DIRECTION	Will Connect to
TX +	Bi-directional Signal	TX + of your device.
TX --	Bi-directional Signal	TX -- of your device.

Power Supply : 48V DC  
 CONNECTOR : 3 Pin Screw type Howder

ENCLOSURE : ABS Plastic enclosure  
 DIMENSIONS : 50 x 24 x 90 mm [W \* H \* D]  
 MOUNTING : DIN Rail