

**Document Name: User Manual of Smart Isolator - SMI.**

## INTRODUCTION:

SMI is a Serial (RS232 ) Isolator.

All the 7 Input port signals are Optically isolated from the Output port signals.

The Data sides are Galvanically Isolated from the Power lines.

Power Supply : 90 to 270 VAC, 50 Hz.

Input Connector : 9 pin D type Female.

Output Connector : 9 pin D type Male.

## INPUT INTERFACE DETAILS: 9 Pin Female Connector

Pin No.	Signal	Direction
1	CD	Output from SMI
2	Rx	Output from SMI
3	Tx	Input to SMI
4	DTR	Input to SMI
5	GND	
6	DSR	Output from SMI
7	RTS	Input to SMI
8	CTS	Output from SMI

## OUTPUT INTERFACE DETAILS: 9 Pin Male Connector

Pin No.	Signal	Direction
1	CD	Input to SMI
2	Rx	Input to SMI
3	Tx	Output from SMI
4	DTR	Output from SMI
5	GND	
6	DSR	Input to SMI
7	RTS	Output from SMI
8	CTS	Input to SMI

**Data Flow-** When data is received from Input side, Red LED of Input side will blink. When data is received from Output side, red LED of Output side will blink.