



RS485 > RS232C Switcher's Manual

Model:

ML401 RS485 SWR

ML801 RS485 SWR

ML1601 RS485 SWR

Marketed by:

INTERFACE PRODUCTS. INFO

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Milestone's RS 485 – RS232C Converter is device that helps person/s to share multiple RS485, converts it to single RS232 and connect it to single pc (RS232C)

Models Available:	
ML 401 RS485 SWR	4 RS-485 To Single RS232C
ML 801 RS485 SWR	8 RS-485 To Single RS232C
ML 1601 RS485 SWR	16 RS-485 To Single RS232C

Technical Specifications	
Installation	Easy to Install – 100% Plug and Play
Sharing	4/8/16 RS485 with single PC / Laptop on RS232C
Selection	Channels Selectable from. <ul style="list-style-type: none"> • Individual Local Keypad. • Individual Remote Keypad through Cable (optional). • Individual RF Remote Controller (optional). • Remote contact closure on back panel. • RS232 Interface on back panel. • RS422 / RS485 interface (optional).
Indication	LED indication for working set and for TX & RX signal.
On / Off Switch	Yes

Model	401 485 SWR	801 485 SWR	1601 485 SWR
Input Connector rs485	D9M x 4	D9M x 8	D9M x 16
Output Connector rs232c	D9F x 1	D9F x 1	D9F x 1
LED indication	1to4, power, TX, RX	1to8, power, TX, RX	1to16, power, TX, RX,
Key Pad Selection	1 to 4	1 to 8	1 to 16
RF / IR Key pad	D9M x 1	D9M x 1	D9M x 2
Cable through Remote			
RS232 Interface	D9F x 1	D9F x 1	D9F x 2
Operating dist. for RF/IR	50 Meter	50 Meter	50 Meter
Operating dist. for Cable through remote	30 Meter	30 Meter	30 Meter
Mains Input	230 V AC. ~	230 V AC. ~	230 V AC. ~

Operation:

Local Keypad (front Panel):

To select the source select the required channel no from the front panel and you are ready to use the data on your RS232 Out for the selected channel.

Remote Contact Closure / Remote key pad through cable:

Rear panel has a SELECT port on rear panel {D type 9 pin Male connector}) operational at a distance of 50 meter for RF/IR remote and operational at a distance of 30 meter with cable through remote controller.

You can use Milestone's Remote controller or any other remote controller with this connector which is programmable.

The connector diagram for D9 male connector is as follows:

D-9 Male –1 (Back panel <u>Select port of unit</u>)	Channels (1 – 8)
1	CH1
2	CH2
:	:
8	CH8
9	GRD
D-9 Male –2 (Back panel <u>Select port of unit</u>)	Channels (9 – 16)
1	CH9
2	CH10
:	:
:	:
8	CH16
9	GRD

Note : to select channel 1, short 1 and 9 through contact switch or use Milestone's remote keypad. (Remote through Cable / RF / IR)

Remote RS232 Interface:

D9 female connector from rear panel is used for operating the switcher through RS232 interface.

The pin configurations are:

<u>D-9 Male (RS-232 Port of Unit)</u>	Channels
3	RX
5	GRD

The simple commands used for selecting the channels through RS232C port are

<u>Channel</u>	Decimal	ASCII
Channel 1	1!	31, 21
Channel 2	2!	32, 21
:	:	:
:	:	:
Channel 9	9!	39, 21
Channel 10	a!	61, 21
Channel 11	b!	62, 21
:	:	:
Channel 16	g!	67, 21

Communication parameters are 9600 baud, 8-bit, 1 stop bit and no parity.