

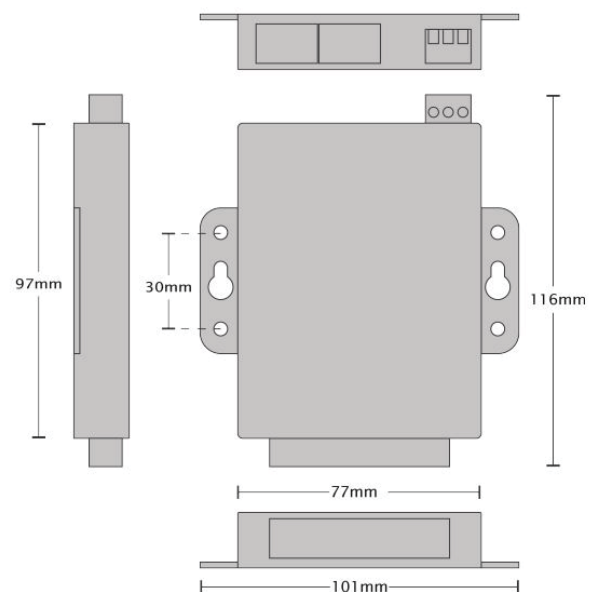
## Ethernet to Digital + RS232 + Switch 4 Port Selectable DIO + RS232 + Switch

### Digital Channels

<b>Inputs</b>	<b>NPN/PNP</b>	Individually jumper selectable pull up for NPN, active low, type sensors and pull down for PNP, active high, type sensors.
	<b>Logic Level 0</b>	0V to +1V
	<b>Logic Level 1</b>	+3.5V to +30V
	<b>Latched Inputs</b>	Triggered by user programmable positive or negative edges, stays true until acknowledged.
	<b>Counter Inputs</b>	User programmable counts positive or negative transitions 0-65535
<b>Outputs</b>	<b>Maximum Output Current</b>	Sinks up to 0.85 Amp per pin, 30V max load. Max combined load 3.4 Amps per device.
	<b>Characteristic</b>	Open drain output, protected MosFET intelligent short circuit protection intelligent short circuit protection up to 36V. Over temperature shutdown: 175°C typical, 150°C min.
	<b>Maximum Output Load Voltage</b>	30V DC
	<b>ESD Protection</b>	16kV



- 4 digital ports can be independently In or Out
- 1 RS232 Serial Port
- 2 Ethernet Ports for daisy chaining
- User friendly interface, simple to use, powerful in operation
- Web based configuration, monitoring and control
- Cost effective all-in-one solution



## Terminal Block Pin Outs

PIN	FUNCTION	PIN	FUNCTION
1	TxD	6	DIO 3
2	RxD	7	DIO 2
3	RTS	8	DIO 1
4	CTS	9	DIO 0
5	GND	10	GND

## Power Terminal Pin Outs

PIN	FUNCTION
1	+V
2	-V
3	Functional Earth



## LED Information

<b>Link/Activity LED</b>	Solid Green	Connection established
	Flashing Green	Data communication
<b>Speed LED</b>	Green	100Base-Tx
	Unlit	10Base-T

## Connectors

<b>Screw Terminals</b>	3 way x 0.2inch/5.08mm and 10 way x 0.2 inch/5.08mm pitch
<b>Wire Thickness</b>	0.150 inch, 3.81mm, 20 pins, 12+8 screw terminals, #26 - #16 AWG, 0.14mm <sup>2</sup> -1.3mm <sup>2</sup>

## Power Supply

<b>Power Supply Input</b>	Unregulated +5V to +30 Volts DC, reverse polarity protection
<b>Isolation</b>	1500 VRMS Magnetic isolation from Ethernet
<b>Power Consumption</b>	2.5 Watts Max : 220 mAmps@+5VDC/36mAmps@+30VDC

## Serial Port - RS232

<b>Baud Rate</b>	From 110 - 1 MegaBaud - Any custom Baud rate accepted
<b>Data Bits</b>	5, 6, 7 or 8
<b>Parity</b>	Odd, Even, None, Mark or Space
<b>Stop Bits</b>	1 or 2
<b>Flow Control</b>	RTS/CTS, XON/XOFF
<b>TX/RX Modes</b>	Point to Point

## Environmental

<b>Operating Temperature</b>	0°C to 60°C
<b>Storage Temperature</b>	0°C to 70°C
<b>Ambient Relative Humidity</b>	5 to 95% (non-condensing)

**Housing** IP30 rated non-conducting case



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