EtherPower 80 – Operating Instructions

The EtherPower 80 is supplied pre-programmed allowing operation via RS232, Ethernet and local push buttons.

Contact Inputs

Normally Open push buttons can be connected to the INPUTS via detachable screw terminals. The buttons should be connected between 0V and the respective input.

For operation press the button to operate the relay, press again to turn off.

When the relay is turned on a RS232 and Ethernet message are sent.

RS232 Operation

RS232 is connected via the suitable labelled detachable screw terminals.
The standard programme as shipped operates at 9600baud with 1 stop bit and no parity.

All command are in plain ASCII as follows:-

COMMAND	ACTION		REPLY
1ON	Turn ON relay 1		ON1
	Turn OFF relay 1		
2ON	Turn ON relay 2		ON2
	Turn OFF relay 2		
3ON	Turn ON relay 3		ON3
	Turn OFF relay 3		
4ON	Turn ON relay 4		ON4
	Turn OFF relay 4		
5ON	Turn ON relay 5		ON5
	Turn OFF relay 5		
6ON	Turn ON relay 6		ON6
	Turn OFF relay 6		
7ON	Turn ON relay 7		ON7
	Turn OFF relay 7		
8ON	Turn ON relay 8		ON8
	Turn OFF relay 8		

The replies are via both RS232 and the Ethernet link.

Ethernet Operation

Before using the unit by Ethernet you need to set-up the Ethernet port. Refer to the separate document 'EtherPower 80 Network Setup' available at http://www.ikonavs.com/EtherPower80.html

Once set-up you can now send the same RS232 commands from a connected controller for operation and monitoring of the unit.

Alternative Control Programme

The EtherPower 80 can be reconfigured for a variety of alternative control and communication operations. Reprogramming the unit requires our Podflow 3 software available to download at http://www.ikonavs.com/Podflow_Software.html.

The utility you need is 'Wall Pod C'.

DEVICE	USED FOR	Qty Available	
Switch	Local Inputs	8	
Led	Relays	8	
RS232 Input	RS232 & Ethernet inputs to unit.	24	Shared between RS232 & Ethernet
RS232 Output	RS232 & Ethernet outputs from unit.	64 (2 x 32)	Shared between RS232 & Ethernet
Flip-Flop	Logic device	16	
Timer	Logic device	8	
Logical Gate	Logic device	16	
PodNet IN	Not used		
PodNet OUT	Not used		
Remote	Not used		

A copy of the default programme is available at http://www.ikonavs.com/EtherPower80.html and you are free to modify and deploy when used with the EtherPower 80.