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## MMTCP8VO

### MMTCP8VO - ANALOG OUTPUTS

The MMTCP8VO Module is a 8 channel voltage output module. Each channel can be set to output a voltage in the range 0 – 10V. The outputs are isolated from the logic and share a common negative terminal.

The resolution is 12 bits, so writing a value to the Modbus register for each output of 0 - 4095 would give an output current of 0 – 10V. A value of  $819 \pm 1\text{LSB}$  will give a current output of 2V.

Each MMTCP8VO Module has a unique Ethernet IP address which must be programmed into the PC or PLC. The IP address in the MMTCP8VO Module is configured via the Web Server. Any standard Web browser such as Internet Explorer can be used to access the web pages where configuration is carried out. The converters are factory programmed with a default IP address of 169.254.111.111. This address must be changed before the converter is added to an existing network.



The web page address for viewing the digital output status parameters is <http://169.254.111.111/index.htm>

The web page address for configuring the module is <http://169.254.111.111/ip.htm>

#### SPECIFICATIONS

**Power Supply:** (Logic) 10 - 26 Vdc @ 140 mA  
 (Field) 20 - 26 Vdc @ 185 mA

**Outputs:**

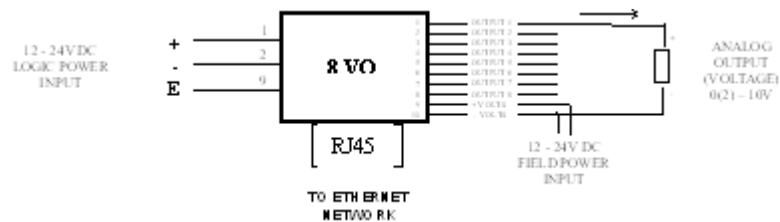
Voltage	0(2) - 10 V
Resolution	12 bits
Isolation	1500Vrms between field and logic
Drift	100ppm/°C typ.
Accuracy	0.05% of span
Compliance	2000 ohms min. load

**Ethernet:** 10BaseT - 10Mbps/s twisted pair

**Connector:** 11 Pin Connector on rear of unit

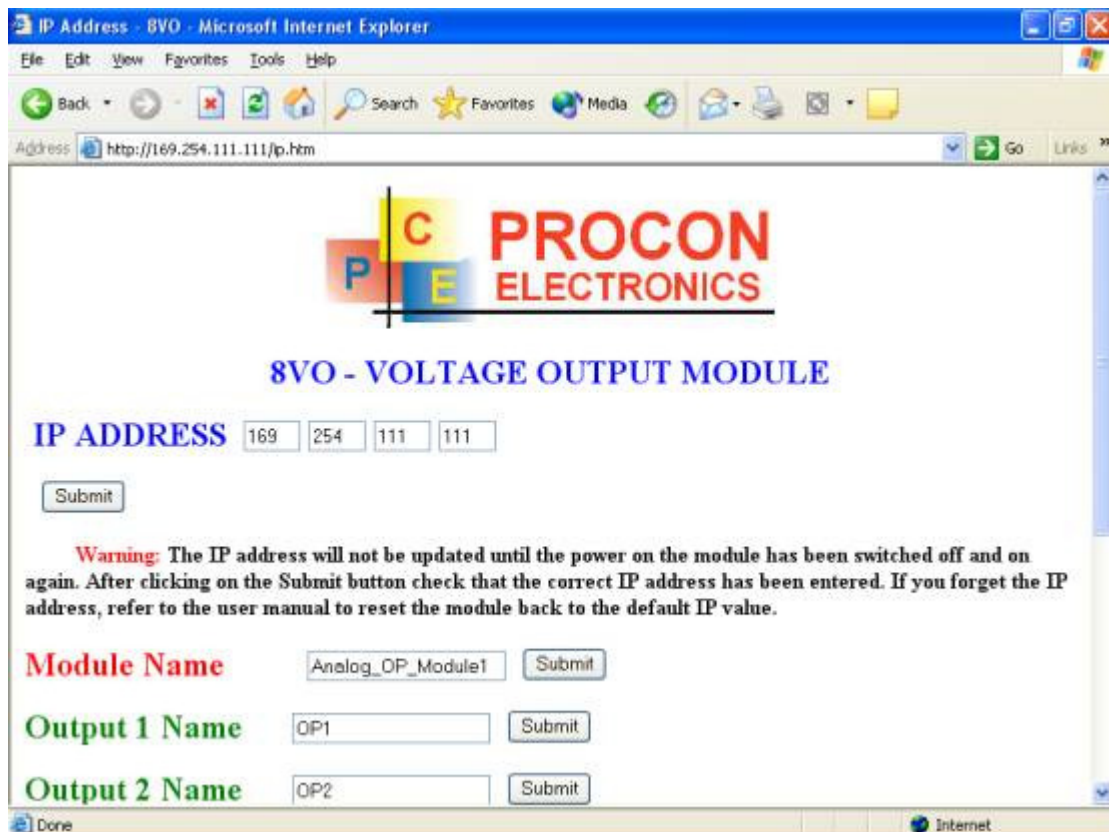
RJ45 on front of module for 10Base-T Ethernet  
10 Way screw connector on front

## WIRING



## CONFIGURATION

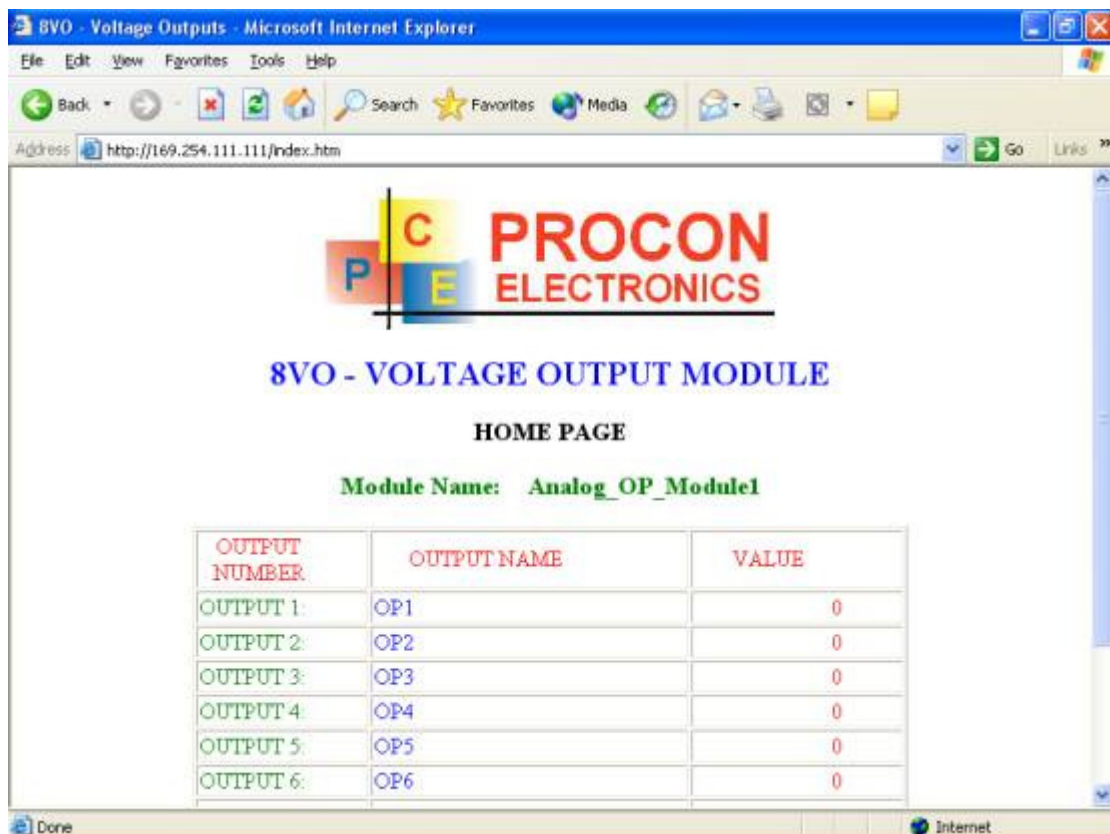
The Web page address "**169.254.111.111/ip.htm**" is entered into the address line of the browser window to access the configuration page. This page allows you to change the IP address of the MOD-MUX TCP Module and to enter a Module Description Name and Output Names for identification/maintenance purposes.



- IP Address:** The new IP address can be entered into the web page as shown above. After this has been done, you must click the Submit button to send the values to the MOD-MUX TCP Module. The screen will now be updated and if successful will continue to display the new IP address. The new IP address will only be effective after the MOD-MUX TCP Module power has been switched off and on again. This feature allows you to check that the correct IP address has been entered before being activated. If the IP address has been entered incorrectly and the power has not been switched off, it is possible to re-enter the correct IP address. If the power has been switched off and back on again, the MOD-MUX TCP Module will not communicate until you enter the new IP address into the address line of the browser window.

- ✚ **Module Name:** This field allows you to enter a module description name into the MOD-MUX TCP Module. This is an identifier for diagnostic/maintenance purposes and is chosen to best describe the MOD-MUX TCP Module in the system by name or number.
- ✚ **Output Names:** These fields allow you to enter an output description name into the MOD-MUX TCP Module. This is an identifier for diagnostic/maintenance purposes and is chosen to best describe the particular output by name or number.
- ✚ **VIEWING WEB PAGES**

To view the default Web page in the MOD-MUX TCP Module, start the Web browser and type "**169.254.111.111/index.htm**" into the address line of the browser window. The main page will now be displayed in the browser window.



- ✚ **Output Number:** This refers to the actual output number on the terminals of the module.
- ✚ **Output Name:** This is the name that was entered in the configuration page to best describe the outputs.
- ✚ **Value:** This is the current value of the outputs. To get an updated reading it is necessary to refresh the browser window to upload the web page again.

Send mail to [proconel@proconel.com](mailto:proconel@proconel.com) with questions or comments about this web site.