Micro Instruments
Electronic Research & Development

Innovative Electronics for a changing world

MANUAL

Our Site – Monitor products permit the monitoring and control of equipment at any site with IP connectivity in the comfort of your office. The Ethernet Relay is the perfect addition to any remote repeater site to control and monitor equipment via Ethernet and SNMP.

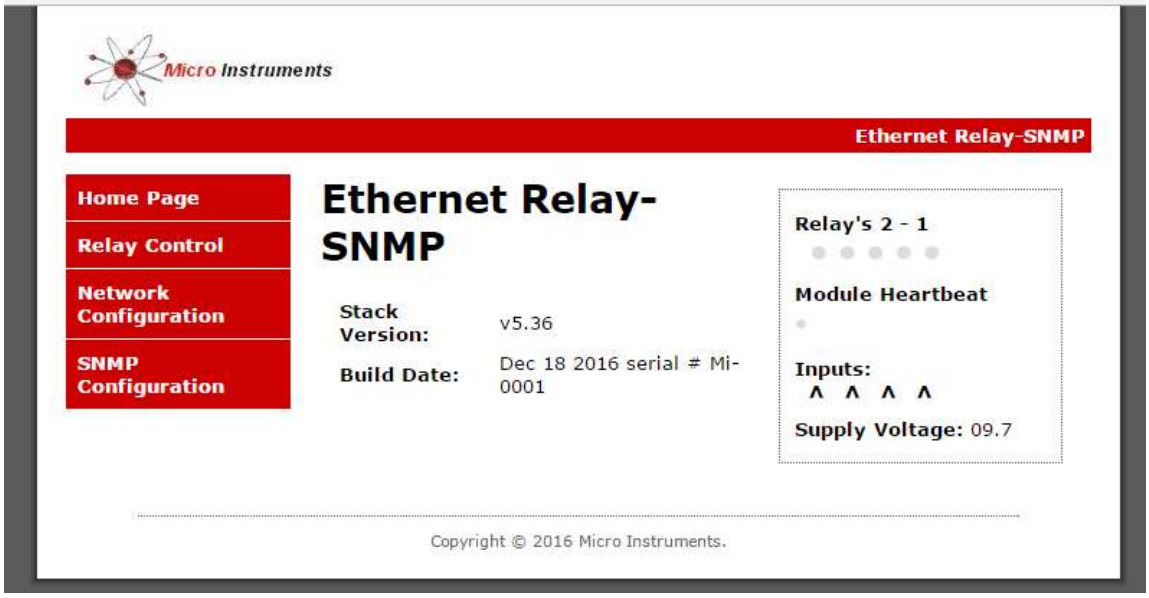
The Ethernet Relay connects to an Ethernet-based TCP/IP network and accepts SNMPv1 or SNMPv2 queries to permit monitoring of **Relay status x 2** and the Supply voltage.

The board accepts **12Vdc** for 12V model or 24V for 24V model from either a standard Barrel DC jack connector or the 2 way pcb screw type connector.

The two onboard Relays can be controlled via web browser and each one can be separately selected by a pcb jumper to either do a reset function for 8sec to reset remote equipment or to switch and keep its position until change by the user to switch remote equipment on or off.

Default IP address = 192.168.1.2

....2

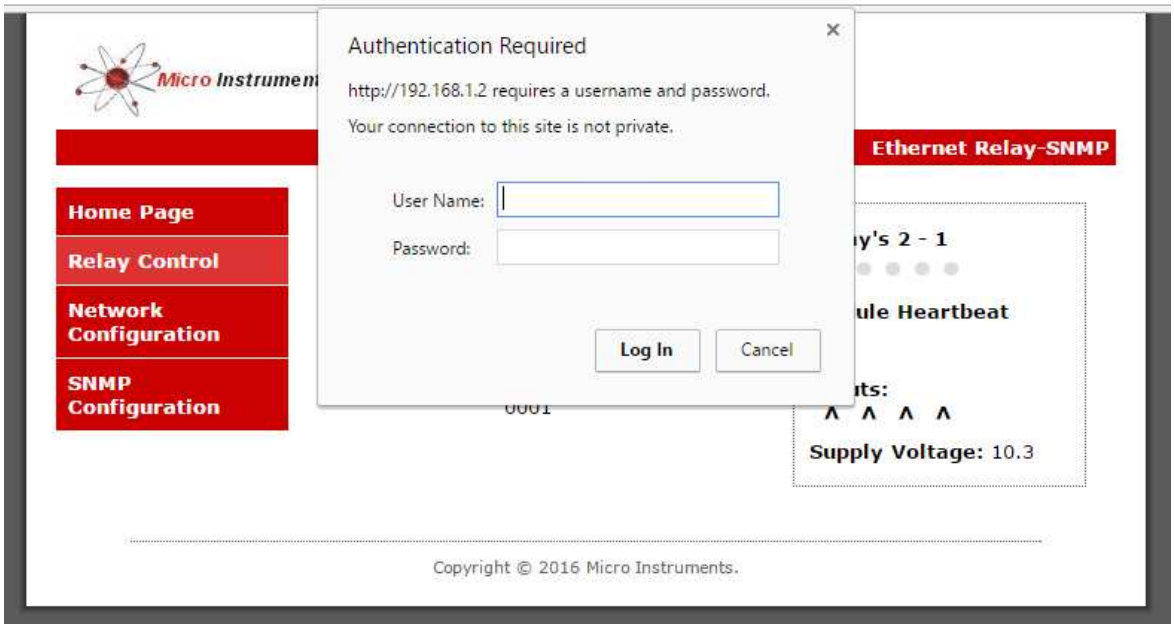


Selector Menu on the left

Stack version and Serial number in middle

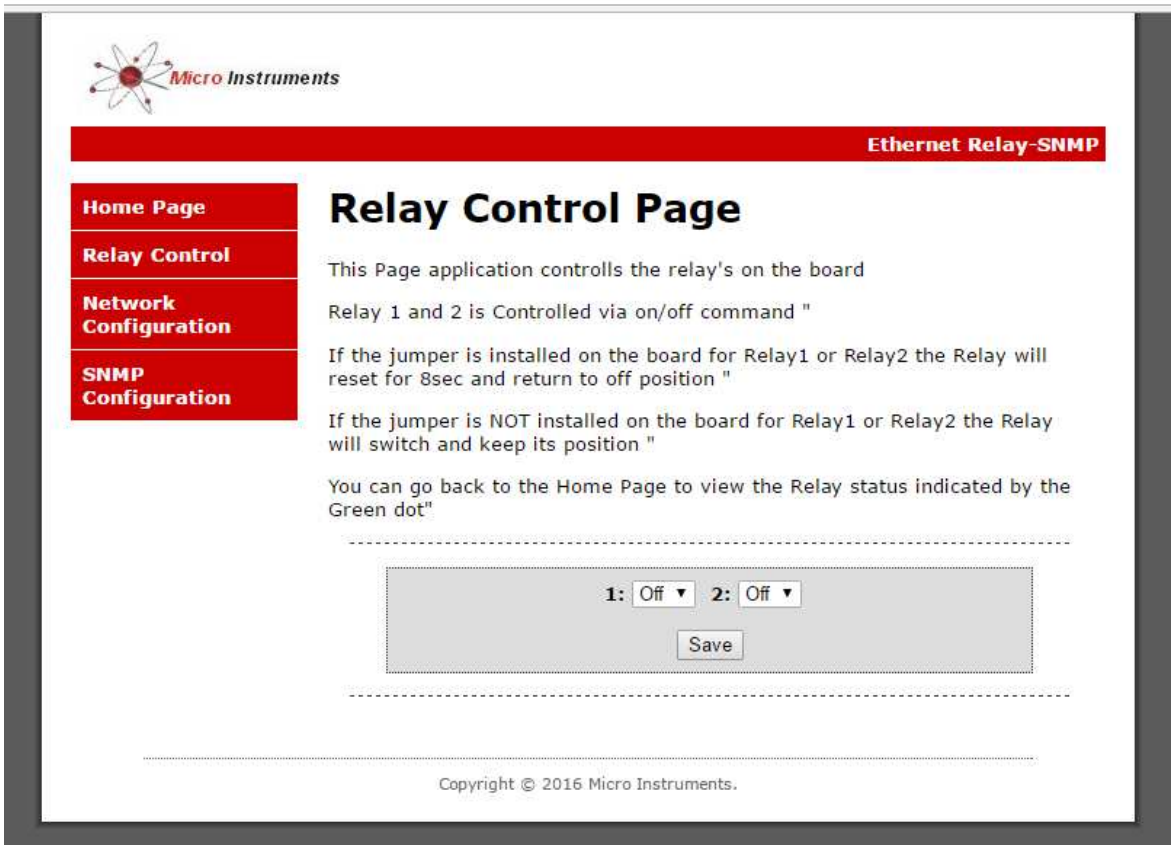
Relay Status – module heartbeat and supply voltage on the right

Relay Control Page



User name: admin

Password: admin / user can change Password under Network settings page



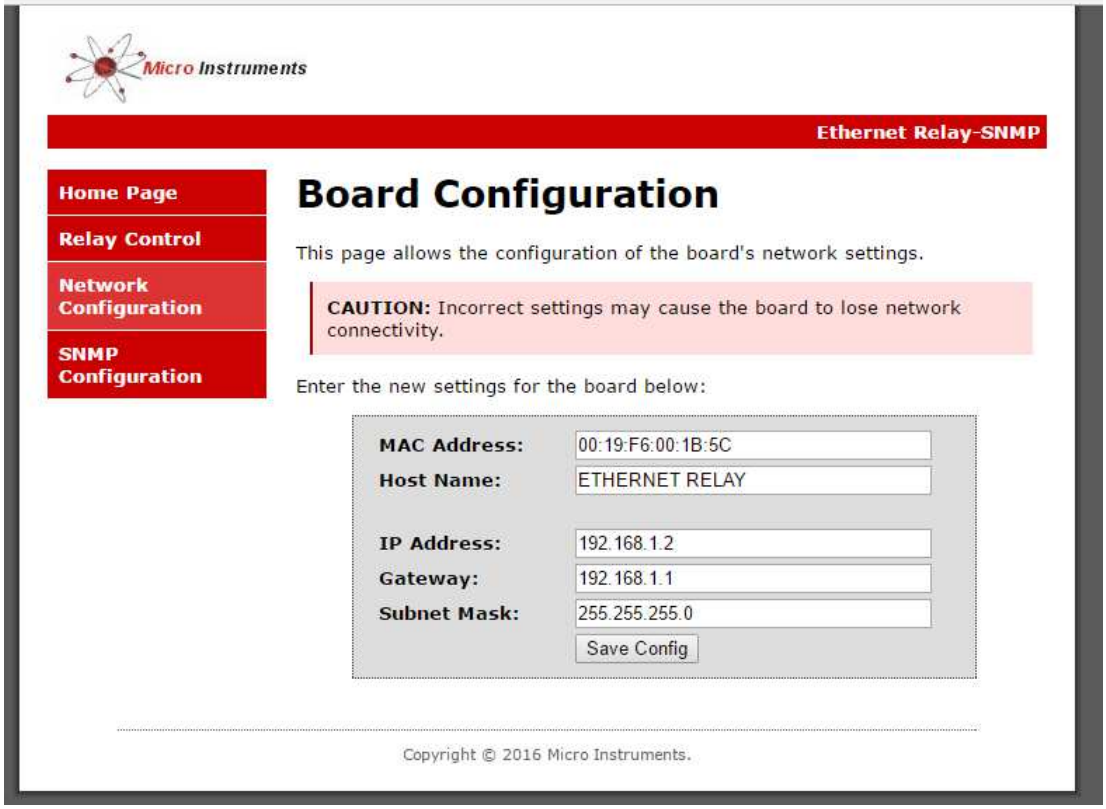
J9 jumper on board for **Relay1**(Reset/Pulse) jumper installed – **Relay 1** will energize for 8sec and then return to off position (reset a device)

J9 jumper on board for **Relay1** (Reset/Pulse) jumper **NOT** installed – **Relay 1** will energize and keep the position until switched off.

J5 jumper on board for **Relay2**(Reset/Pulse) jumper installed – **Relay 2** will energize for 8sec and then return to off position (reset a device)

J5 jumper on board for **Relay2** (Reset/Pulse) jumper **NOT** installed – **Relay 2** will energize and keep the position until switched off.

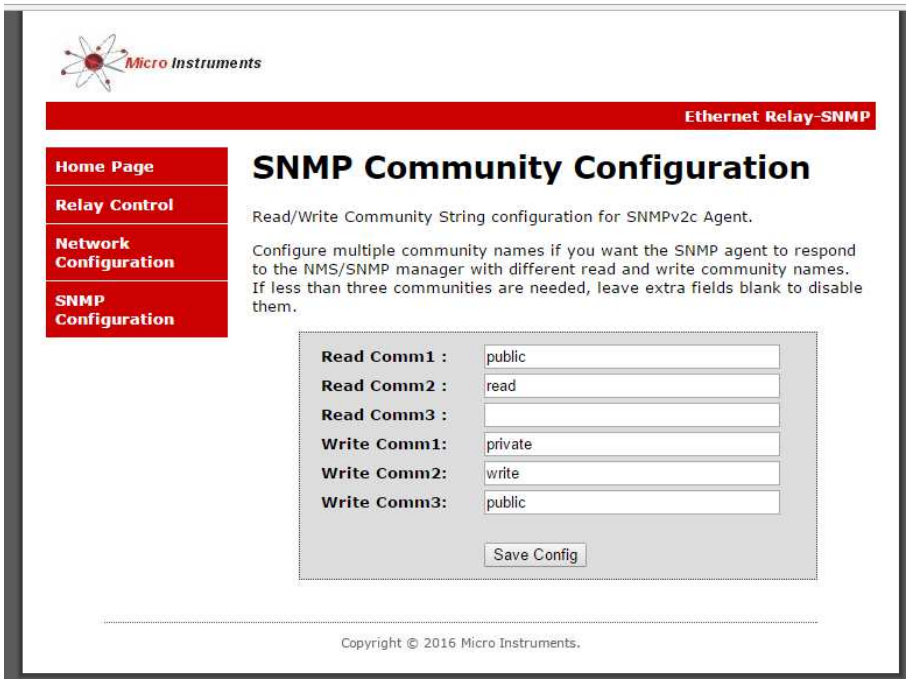
Ethernet Interface Settings Page

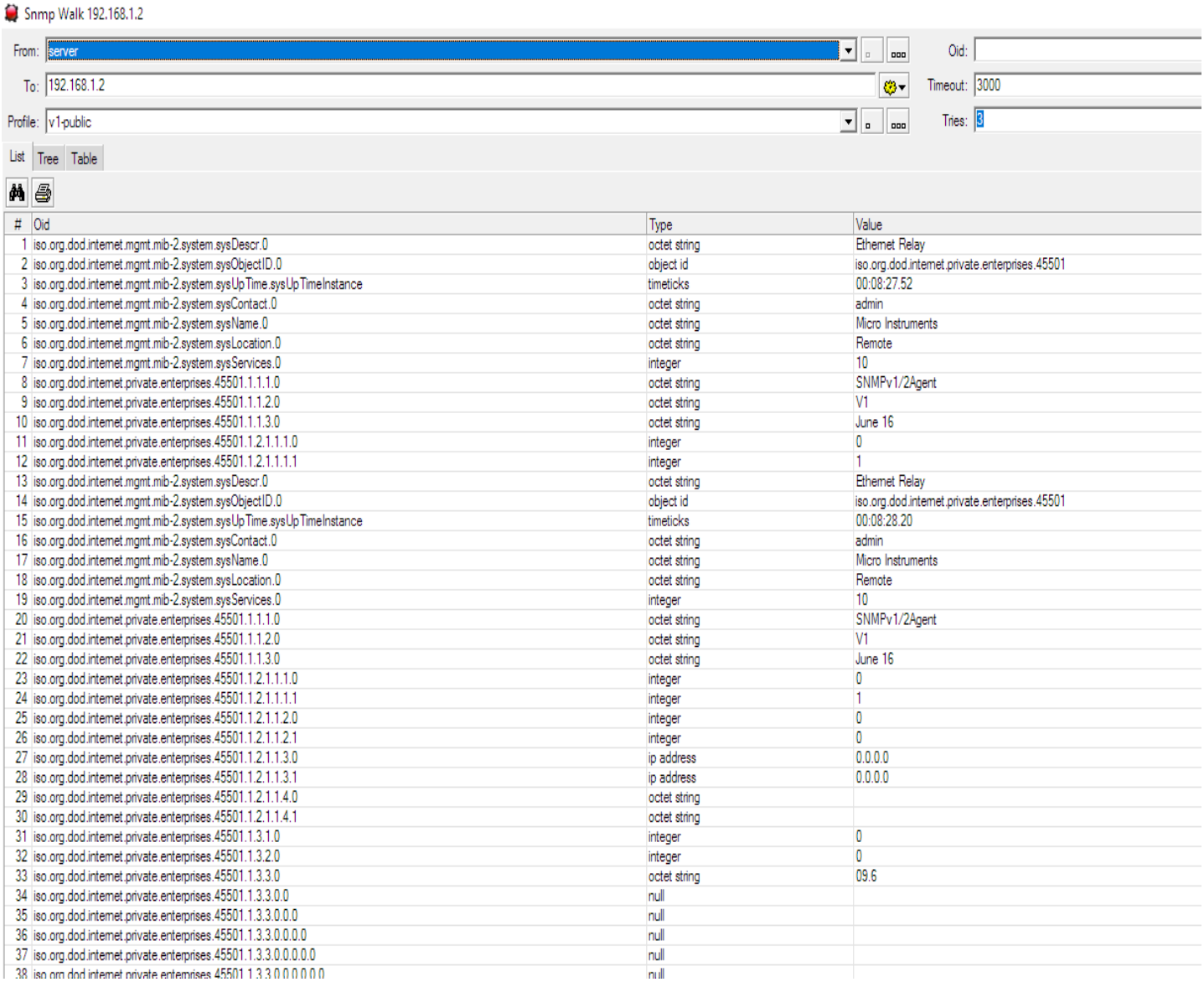


Here the IP address, Password, Gateway and subnet mask can be specified to match your network settings

Click Save Configuration , the board will reboot with the new settings

SNMP Configuration Page





#	Oid	Type	Value
1	iso.org.dod.internet.mgmt.mib-2.system.sysDescr.0	octet string	Ethernet Relay
2	iso.org.dod.internet.mgmt.mib-2.system.sysObjectID.0	object id	iso.org.dod.internet.private.enterprises.45501
3	iso.org.dod.internet.mgmt.mib-2.system.sysUpTime.sysUpTimeInstance	timeticks	00:08:27.52
4	iso.org.dod.internet.mgmt.mib-2.system.sysContact.0	octet string	admin
5	iso.org.dod.internet.mgmt.mib-2.system.sysName.0	octet string	Micro Instruments
6	iso.org.dod.internet.mgmt.mib-2.system.sysLocation.0	octet string	Remote
7	iso.org.dod.internet.mgmt.mib-2.system.sysServices.0	integer	10
8	iso.org.dod.internet.private.enterprises.45501.1.1.1.0	octet string	SNMPv1/2Agent
9	iso.org.dod.internet.private.enterprises.45501.1.1.2.0	octet string	V1
10	iso.org.dod.internet.private.enterprises.45501.1.1.3.0	octet string	June 16
11	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.1.0	integer	0
12	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.1.1	integer	1
13	iso.org.dod.internet.mgmt.mib-2.system.sysDescr.0	octet string	Ethernet Relay
14	iso.org.dod.internet.mgmt.mib-2.system.sysObjectID.0	object id	iso.org.dod.internet.private.enterprises.45501
15	iso.org.dod.internet.mgmt.mib-2.system.sysUpTime.sysUpTimeInstance	timeticks	00:08:28.20
16	iso.org.dod.internet.mgmt.mib-2.system.sysContact.0	octet string	admin
17	iso.org.dod.internet.mgmt.mib-2.system.sysName.0	octet string	Micro Instruments
18	iso.org.dod.internet.mgmt.mib-2.system.sysLocation.0	octet string	Remote
19	iso.org.dod.internet.mgmt.mib-2.system.sysServices.0	integer	10
20	iso.org.dod.internet.private.enterprises.45501.1.1.1.0	octet string	SNMPv1/2Agent
21	iso.org.dod.internet.private.enterprises.45501.1.1.2.0	octet string	V1
22	iso.org.dod.internet.private.enterprises.45501.1.1.3.0	octet string	June 16
23	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.1.0	integer	0
24	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.1.1	integer	1
25	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.2.0	integer	0
26	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.2.1	integer	0
27	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.3.0	ip address	0.0.0.0
28	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.3.1	ip address	0.0.0.0
29	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.4.0	octet string	
30	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.4.1	octet string	
31	iso.org.dod.internet.private.enterprises.45501.1.3.1.0	integer	0
32	iso.org.dod.internet.private.enterprises.45501.1.3.2.0	integer	0
33	iso.org.dod.internet.private.enterprises.45501.1.3.3.0	octet string	09.6
34	iso.org.dod.internet.private.enterprises.45501.1.3.3.0.0	null	
35	iso.org.dod.internet.private.enterprises.45501.1.3.3.0.0.0	null	
36	iso.org.dod.internet.private.enterprises.45501.1.3.3.0.0.0.0	null	
37	iso.org.dod.internet.private.enterprises.45501.1.3.3.0.0.0.0.0	null	
38	iso.org.dod.internet.private.enterprises.45501.1.3.3.0.0.0.0.0.0	null	

OID **1.3.6.1.4.1. 45501.1.3.1.0** = Relay 1 (0 for off and 1 for On)

OID **1.3.6.1.4.1.45501.1.3.2.0** = Relay 2 (0 for off and 1 for On)

OID **1.3.6.1.4.1.45501.1.3.3.0** = Supply voltage from either DC jack or pcb terminal

Physical

L=80mm – W = 70mm – H = 30mm

Models available : **Ethernet Relay 12V // Ethernet Relay 24V**