



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

Micro Instruments

Ethernet Relay-SNMP

Home Page
Relay Control
Network Configuration
SNMP Configuration

Ethernet Relay-SNMP

Stack Version: v5.36
Build Date: Dec 18 2016 serial # Mi-0001

Relay's 2 - 1
Module Heartbeat
Inputs
Supply Voltage: 09.7

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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

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Ethernet Relay-SNMP

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Authentication Required

http://192.168.1.2 requires a username and password.
Your connection to this site is not private.

User Name:
Password:

Log In Cancel

Relay's 2 - 1
Module Heartbeat
Inputs
Supply Voltage: 10.3

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User name: admin

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

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Ethernet Relay-SNMP

Home Page

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Relay Control Page

This Page application controls the relay's on the board

Relay 1 and 2 is Controlled via on/off command "

If the jumper is installed on the board for Relay1 or Relay2 the Relay will reset for 8sec and return to off position "

If the jumper is NOT installed on the board for Relay1 or Relay2 the Relay will switch and keep its position "

You can go back to the Home Page to view the Relay status indicated by the Green dot"

1: Off ▼ 2: Off ▼

Save


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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 Relay-SNMP

- Home Page**
- Relay Control**
- Network Configuration**
- SNMP Configuration**

Board Configuration

This page allows the configuration of the board's network settings.

CAUTION: Incorrect settings may cause the board to lose network connectivity.

Enter the new settings for the board below:

MAC Address:

Host Name:

IP Address:


Gateway:

Subnet Mask:

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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



Ethernet Relay-SNMP

- Home Page**
- Relay Control**
- Network Configuration**
- SNMP Configuration**

SNMP Community Configuration

Read/Write Community String configuration for SNMPv2c Agent.

Configure multiple community names if you want the SNMP agent to respond to the NMS/SNMP manager with different read and write community names. If less than three communities are needed, leave extra fields blank to disable them.

Read Comm1 :

Read Comm2 :

Read Comm3 :

Write Comm1:

Write Comm2:

Write Comm3:

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#	Oid	Type	Value
1	iso.org.dod.internet.mgmt.mib-2.system.sysDescr.0	octet string	Ethemet 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.45501.1.2.1.1.0	integer	0
12	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.1	integer	1
13	iso.org.dod.internet.mgmt.mib-2.system.sysDescr.0	octet string	Ethemet 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.45501.1.2.1.1.0	integer	0
24	iso.org.dod.internet.private.enterprises.45501.1.2.1.1.1	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**