

Sentry's Web Page

Web Page

Each Sentry provides its own little web-site.

The web site's index page displays the Sentry's current status.

There is also a page which allows a few configuration variables to be set-up.

To connect your web browser to a sentry's web site refer to the Sentry's IP address into your browser's address bar; e.g. 'http://10.0.0.50'

If you don't already know the IP address of a Sentry you can discover it by pressing it's Ident button.

The browser should display a page like this:

Label	Value	Description
Sentry Status:	ADM Expiry Warning	Status of the connected ADM
Comms S/W	Sentry-24-11-2006	Software version of the Communication processor
Application S/W	Network V1.2c	Software version of the Application processor
MAC Address	0.202.0.0.58.149	MAC address of the Sentry
IP Address	10.0.0.50	IP Address of the sentry
Sentry Name	Alpha4 S2	Reference name for the sentry or press
Sentry SID	DA00000067F0FB34	SID of the sentry
ADM SID	950000003223CC06	SID of the connected ADM if present
ADM MasterID	eTag 2	Master ID field from the ADM
ADM Master Count	123	Master count from the ADM
ADM OK for	1	Cycles lifetime Remaining of the ADM
ID1 SID	0000000000000000	SID of first identification tag if present
ID2 SID	0000000000000000	SID of second identification tag if present

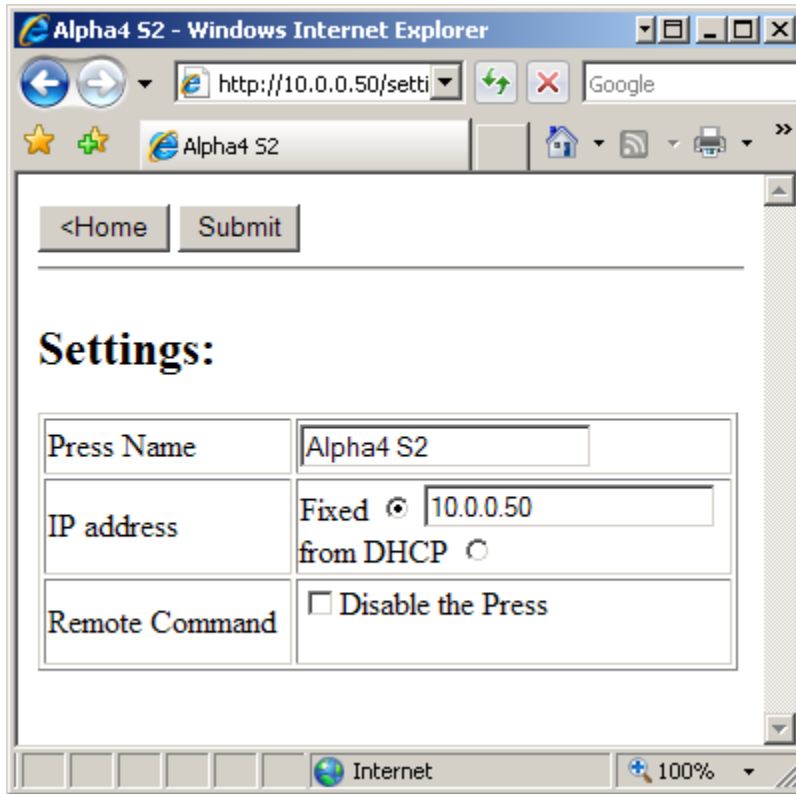
LCD screen snapshot:

Full Inspection
OK FOR:100

Pressing the Refresh button updates this page when required.

If an ADM is connected the *ADM Components* button is visible. You can press it to display a detailed view of the life remaining for each component.

Pressing the Settings button loads the settings page:



On the settings page you can:

Give a meaningful name to the Sentry specify how the Sentry obtains an IP address Disable the press, it will be blocked even if the ADM is OK.

Method of IP Address Assignment

All network communications is done by referring to each sentry's IP address. Each Sentry (and also all other network clients such as PCs, printers, routers, switches etc) must all have their own unique IP address within the network to avoid address conflicts.

There are two common strategies for ensuring unique IP addresses are assigned to network clients, Static addressing and DHCP. The network administrator should be able to decide which method is appropriate. Sentry supports both methods.

If static addressing is selected, the network administrator must decide the IP address which should be typed into the address box on the setup page.

If DHCP is selected, the address box can be left untouched.

The sentry can also be assigned a more meaningful name in the *Press Name* box. After changing any of the values on the Setup page the Sentry should be rebooted by pressing the *Save these settings and restart* button.

IP Address assignment at StartUp

When power is applied to a Sentry, it checks to see whether DHCP addressing is selected:

If DHCP addressing is selected:

The Sentry tries to obtain an IP address from a local network DHCP service.

If DHCP was successful, the Sentry uses the assigned IP address.

If not successful the Sentry uses the MRU (Most Recently Used) IP address.

Note: Successful DHCP assignments cause the MRU address to be updated and saved for future use.

With DHCP assignment, it is important that the Sentry is connected to the network and the DHCP server is active **before** powering up the sentry otherwise the attempt to obtain a DHCP assignment is guaranteed to fail.

If static addressing is selected:

The Sentry uses the IP address entered on the Settings page of its web site.

Identifying a Sentry

Once an IP address has been established at startup (this can take a few seconds) it is briefly displayed on the Sentry's LCD along with the *Press Name*.

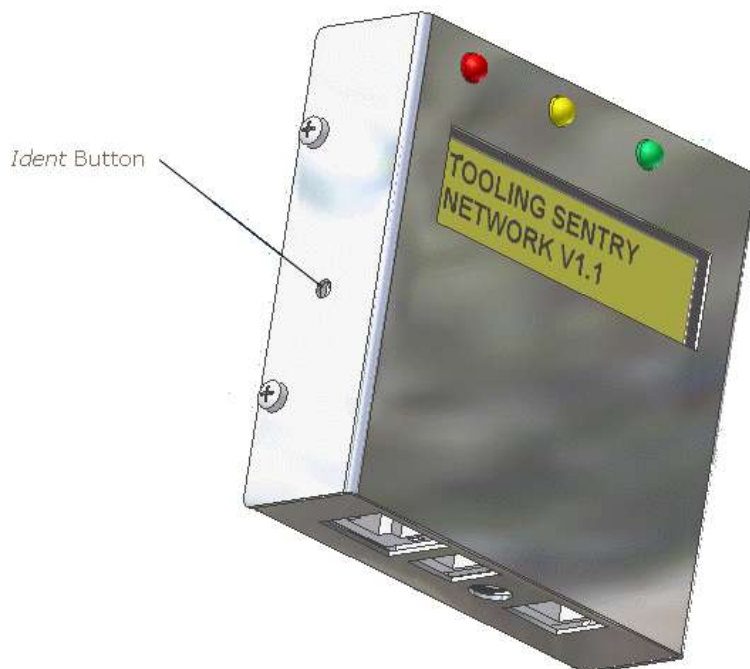
The method by which the IP address was established is also shown:

(DHCP) IP Address indicates a successful assignment by a DHCP server.

(MRU) IP Address indicates DHCP assignment was unsuccessful and the Sentry reverted to its *Most Recently Used* IP address.

Fixed IP Address indicates fixed addressing is selected.

The *IP Address/Press Name* display can also be activated at any later time by pressing the small button inside the Sentry. The button can be found behind a small hole in the left-hand side of the metal case. It can be pressed using the point of a pencil or a similar tool.



Installation tips

Many Sentry installations will be done into an existing Ethernet network which will probably have been set up such that client devices are assigned IP addresses in the RFC1597 private address ranges:

10.0.0.0 - 10.255.255.255
172.16.0.0 - 172.31.255.255
192.168.0.0 - 192.168.255.255

A brand new Sentry from the factory will usually be set to use DHCP; its MRU address being somewhere in the range 10.0.0.0 - 10.0.0.254.

If the Sentry cannot successfully communicate to your DHCP server because your network is located in a different segment (i.e. a different range) the Sentry will appear on your network using its MRU address. In this situation you may not easily be able to connect your browser to the sentry's web page in order to reconfigure it.

To connect to a Sentry in a different network segment you can temporarily configure a PC with a network connection at a static address in the 10.0.0.x range.

This can be done under Windows XP Professional by:

Go to Start...Control Panel...Network Connections

Select a LAN connection and access its *properties*

In the General tab, select the *Internet Protocol (TCP/IP)* item then press the *Properties* button.

Select *Use the following IP address* and fill in the IP Address box with e.g. 10.0.0.1 and the subnet mask with 255.0.0.0

Press OK and close the properties dialog.

The PC should now be able to connect to the Sentry's web page in order to reconfigure its assignment to suit your network.

It is possible that network routing hardware, hubs, switches etc, between your PC and the Sentry could block communications so it may be necessary to bypass this by making a direct wired connection from the PC to the Sentry.

Note Sentries do not automatically detect the network cable polarity like most hubs do when making a direct connection it is usually necessary to use a cross-over Ethernet cable.

For more information please contact our sales department.

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