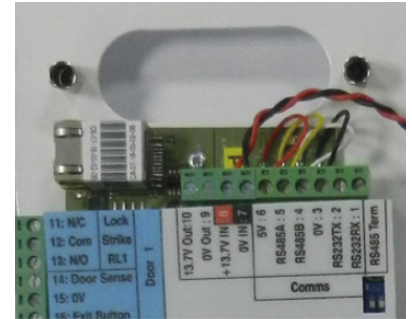


TN0028 – Unit Detection on TCP IP Modules with Firmware Version Y110

The following instructions have been provided for the new style TCP IP modules (part number 5002-1812) currently used on the MICROgarde range of controllers, as shown right.

The IP address, subnet and gateway of the TCP IP module **should** be assigned directly through the web interface on firmware version Y110. *The firmware versions can be seen in Xsearch (versions 1.2 or later) or through the web interface (shown as version V1.1_0).*

The host computer will need to be in the same network range as the TCP IP modules, this can either be achieved by adding a second IP address through the network connection properties or by temporarily changing the host address to the default address range of the TCP IP module.



All TCP IP modules are assigned a default IP address following the completion of factory testing. This is the last two sets of digits from the MAC address (as written on the barcode label), these two hexadecimal numbers are converted to the decimal equivalent to provide the last two numbers of a 192.168.xxx.yyy IP address; for example C8-07-18-00-01-E4 provides the default IP address 192.168.1.228.

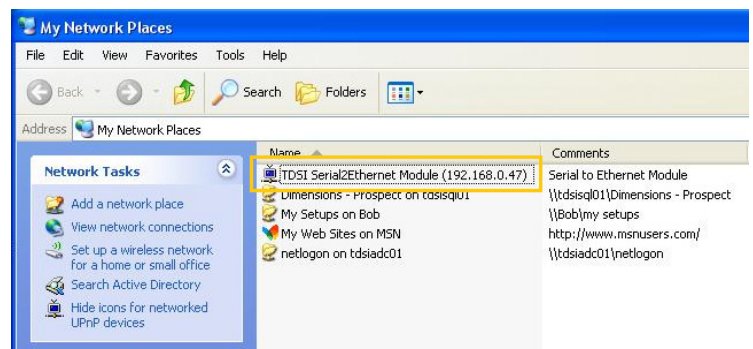
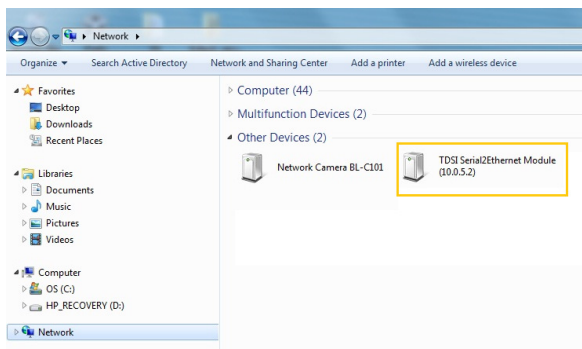
To configure via the Web Interface

Once the default address is known it can be entered into the search bar of a web browser (such as Internet Explorer, Google Chrome, Firefox...). When the home page is displayed select **Miscellaneous Settings**, enter the new address in the **Static IP Address** field and click **Update Settings**.

Detailed below are other methods for determining the IP address of the module if the default has been changed:

UPnP

Support is provided for universal plug and play (UPnP), all available modules within the range of the host computer will be displayed in My Network Places or Networks depending on operating systems as shown below, assuming that UPnP is enabled on the host computer and supported through the network. Double click on the device to launch the default browser.



Xsearch

Xsearch can also still be used to detect TCP IP module, this method has the advantage of detecting modules that are not in the same address range, please note that on versions of Xsearch earlier than 1.2 the module will be identified as a UDS10.

Further Information

If you need any further information or assistance on this subject, please contact us:

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