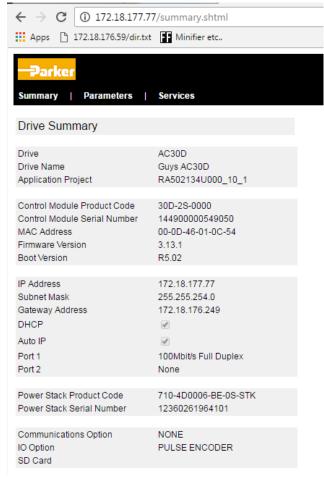
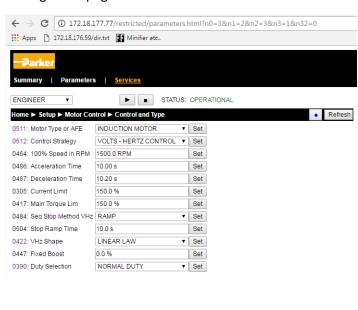
# AC30 Custom Webpages

### **Built-In Webpages**

The AC30 Series motor controller hosts a web server which provides quick and easy access to the drive's parameters via easy to use built-in webpages. The built-in webpages are accessed in the browser using the ipaddress of the drive which displays the summary page for the drive as shown below. Also shown below is a sample page from the Parameters link. Parameters can be monitored and edited using these pages.







Sample Parameters Page

### **Custom Webpages**

The AC30 can also serve up webpages created by the user. These webpages can be created in a text editor and then saved onto the drive's SD card. The webpages can be written in HTML, javascript and styled using standard css files.

#### Simple Webpage

The following example shows how this works by creating an html file called simple.html and saving it onto the SD card and then navigating to this using a browser.

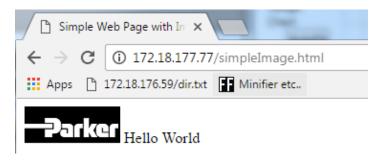
File saved as simple.html to SD card

Webpage as seen in browser

#### Adding an Image

Images can be added to the webpage using the img html tag and copying the image to the SD card. In this example the image Parker\_Hannifin.png has been saved to the folder 'assets/img/'. The file simpleImage.html is saved to the root folder.

```
<html>
<head>
    <title>Simple Web Page with Image</title>
</head>
<body>
<img src='assets/img/Parker_Hannifin.png' ></img>
Hello World
</body>
</html>
File saved as simpleImage.html to SD card
```



Webpage as seen in browser

### Accessing AC30 Parameters

The AC30 provides a number of service calls to access parameter information which are detailed in Appendix A. It is possible to write your own javascript to use these services directly but to simplify the process, a library of custom html tags has been written.

The custom tag library requires the assets folder and its contents to be present on the SD card. Simply copy the folder onto the root folder of the SD card.

As an example the following custom html tag will read the value of parameter 961 (Drive Name).

# Appendix A

### AC30 Web Services

The AC30 Series motor controller hosts a web server which provides quick and easy access to the drive's parameters via easy to use built-in webpages. In addition to this the drive also supports a number of HTTP web service calls which allow the user to access parameters information for use in their own custom web pages.

Drive FW: AC30V: 1.12 AC30P/D: 2.12

All examples below assume an AC30 with an ipaddress of 172.18.177.77

### Single Parameter Tag Readers

3 modes:

1. Parameter Value and Type Information, Type is returned as an integer (eg 13 = Enum):

http://{{DRIVEIPADDRESS}}:8080/z:/restricted/get\_params.json?n0={{TAGNO}}



2. Parameter Value and Timestamp: Add 10000 to Parameter Tag

http://{{DRIVEIPADDRESS}}:8080/z:/restricted/get\_params.json?n0={{TAGNO+10000}}

3. Parameter Name and Enum Information: Add 20000 to Parameter Tag

http://{{DRIVEIPADDRESS}}:8080/z:/restricted/get params.json?n0={{TAGNO+20000}}

## Multiple Parameter Tag Readers

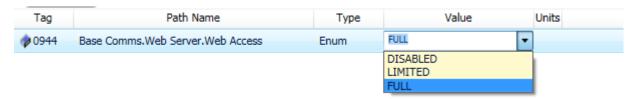
To read multiple parameters in one request add tags to the end of the URL in the following format

http://{{DRIVEIPADDRESS}}:8080/z:/restricted/get\_params.json?n0=20001&n1=20002

Note: Tag Readers do NOT require Web Access (Tag 944) since reads are made using 'always open' port 8080 Tag Writes detailed in the next section do require Web Access (Tag 944) set to FULL.

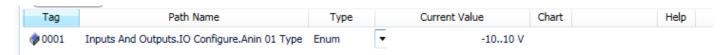
## Parameter Tag Writers

To write parameter values to the drive the Web Access parameter, tag 944, must be set to FULL



#### http:://{{DRIVEIPADDRESS}}:8080/z:/restricted/parameters.act?V1=0

This example will set the value of Tag 1 to 0, which is the enum index 0 which is -10..10V



### http:://{{DRIVEIPADDRESS}}:8080/z:/restricted/parameters.act?V961=Hello%20Hello

This example sets the drive name to Hello Hello



Note strings must be URL Encoded as in this example where the space character is replaced by a %20

https://www.w3schools.com/tags/ref\_urlencode.asp