

# AN-X Technical Note

## Configuring Modicon 200 Series I/O



This technical note describes how to configure Modicon 200 series I/O in the AN-X2-MOD-MAS.

### **Requirements**

Support for 200 Series I/O requires a Modicon P451-581/681 interface module which makes it possible for the 200 series I/O to communicate on the S908 network.

We assume that the required hardware is installed and is known to be working with a Modicon controller.

### **200 Series I/O Description**

A 200 series network consists of up to 16 drops. Each drop contains an odd and an even channel.

Each channel supports up to 8 input modules and 8 output modules, each with 16 points. The module address is determined by the module addressing pin, which can have a value from 1 to 8.

The interface module maps 200 Series I/O to 800 Series I/O.

The drop number remains the same.

Odd channel inputs are mapped to rack 2; odd channel outputs are mapped to rack 3.

Even channel inputs are mapped to rack 4; even channel outputs are mapped to rack 5.

The addressing pin determines the slot number, from 1 to 8.

Output modules are mapped as B804 modules. Input modules are mapped as B805 modules.

### **Configuration**

The AN-X-MOD-MAS supports autoconfiguration for 200 series I/O. Modules appear as B804 and B805 modules.

For some analog modules, the bit order of the data is incorrect. Transfer the ControlLogix configuration from the AN-X and add the 'swap' option to the line for the analog module so that data appears correctly. For example

```
3,d1s6,d01s6_Out, swap
```

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After adding the swap keyword, transfer the modified configuration to the AN-X.

### ***Examples***

The following examples show how to map various addresses in the AN-X2-MOD-MAS

Drop 2, Odd channel input, addressing pin 4

Drop=2

Rack=2

Slot=4,Type=B805

EndDrop

Drop 4, Odd channel output, addressing pin 1

Drop=4

Rack=3

Slot=1,Type=B804

EndDrop

Drop 7, Even channel input, addressing pin 8

Drop=7

Rack=4

Slot=8,Type=B805

EndDrop

Drop 16, Even channel output, addressing pin 2

Drop=16

Rack=5

Slot=2,Type=B804

EndDrop

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