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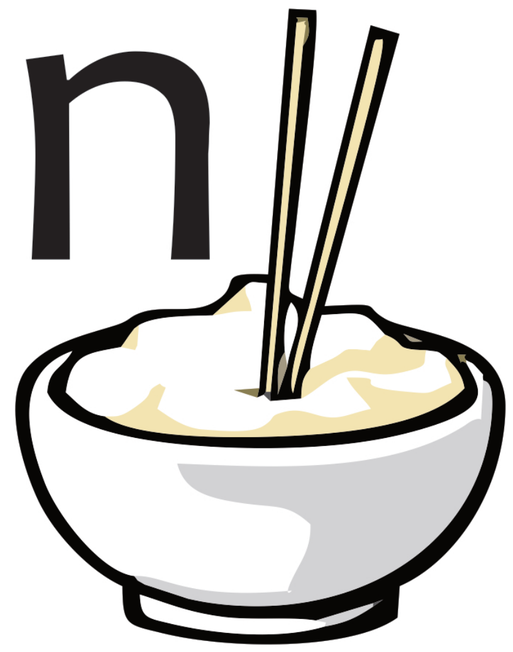

TinyControl PDU Two Way Module

Installation and Usage Guide

tinycontrol.eu
microprocessors project

Revision: 1.0.0
Date: Friday, June 23, 2017
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Overview

The TinyControl PDU module is for control of the TinyControl range of IP power sockets. These units provide individual control of up to 6 sockets and up to 4 temperature sensors.

The module shows the current status of al the sockets ans has the ability to toggle them on and off. The name shown on the buttons reflects the name given in the configuration of the PDU. You can toggle any of the outlets on or off from this screen.

The module also provides Two Way commands to turn any of the sockets on or off. It also provides Automation Events that trigger when a socket is power on or off. Additionally there is an Automation Event that triggers when the sensors change state.

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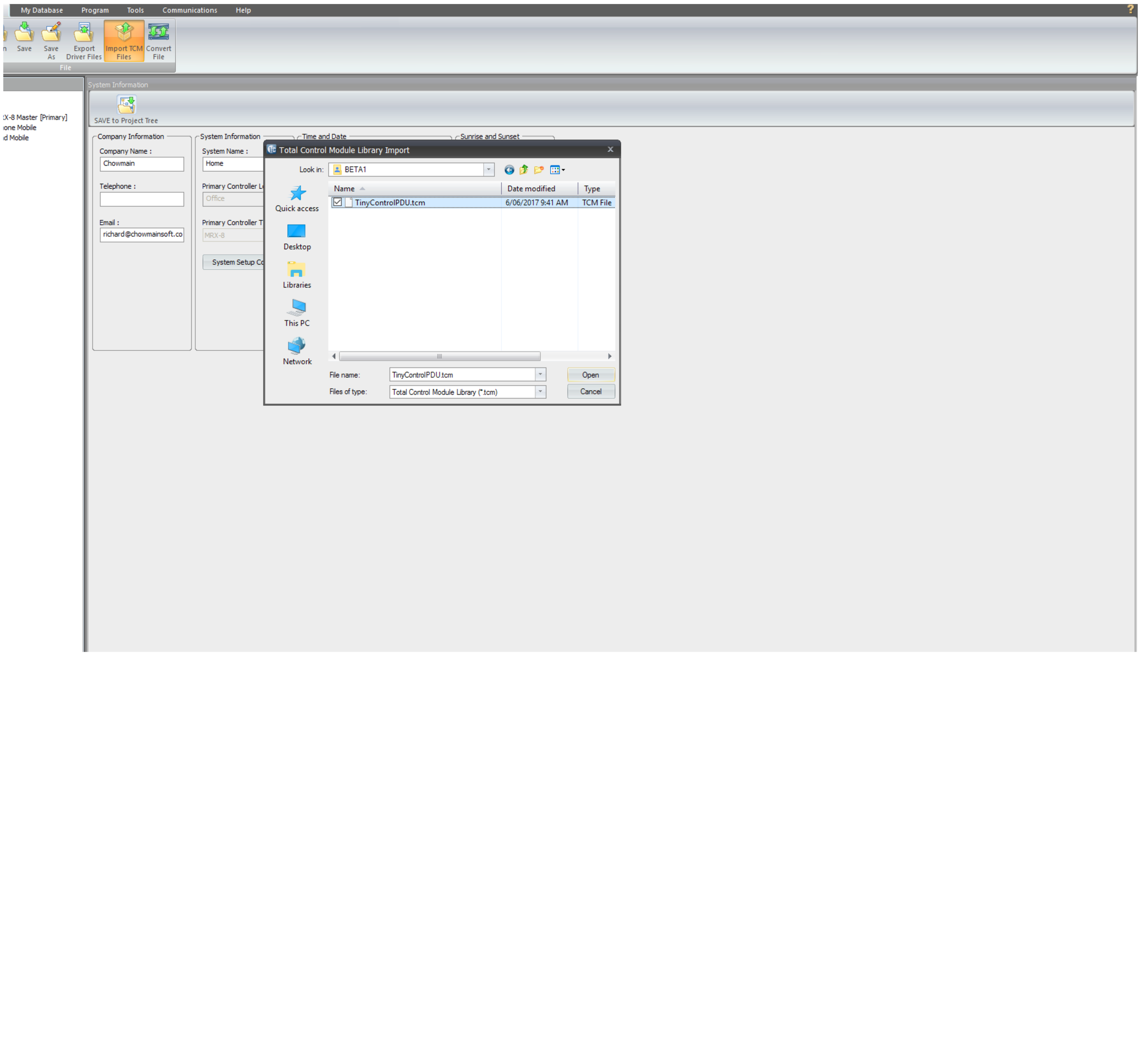
Installation

1. Import the TCM in to Accelerator

The zip file that included this documentation has the TCM file you will need to import.

Go to the file menu, select import TCM Files and load the provided file.

(for more information check http://www.urccontrolroom.com/tc/software/tools/tcm/start)

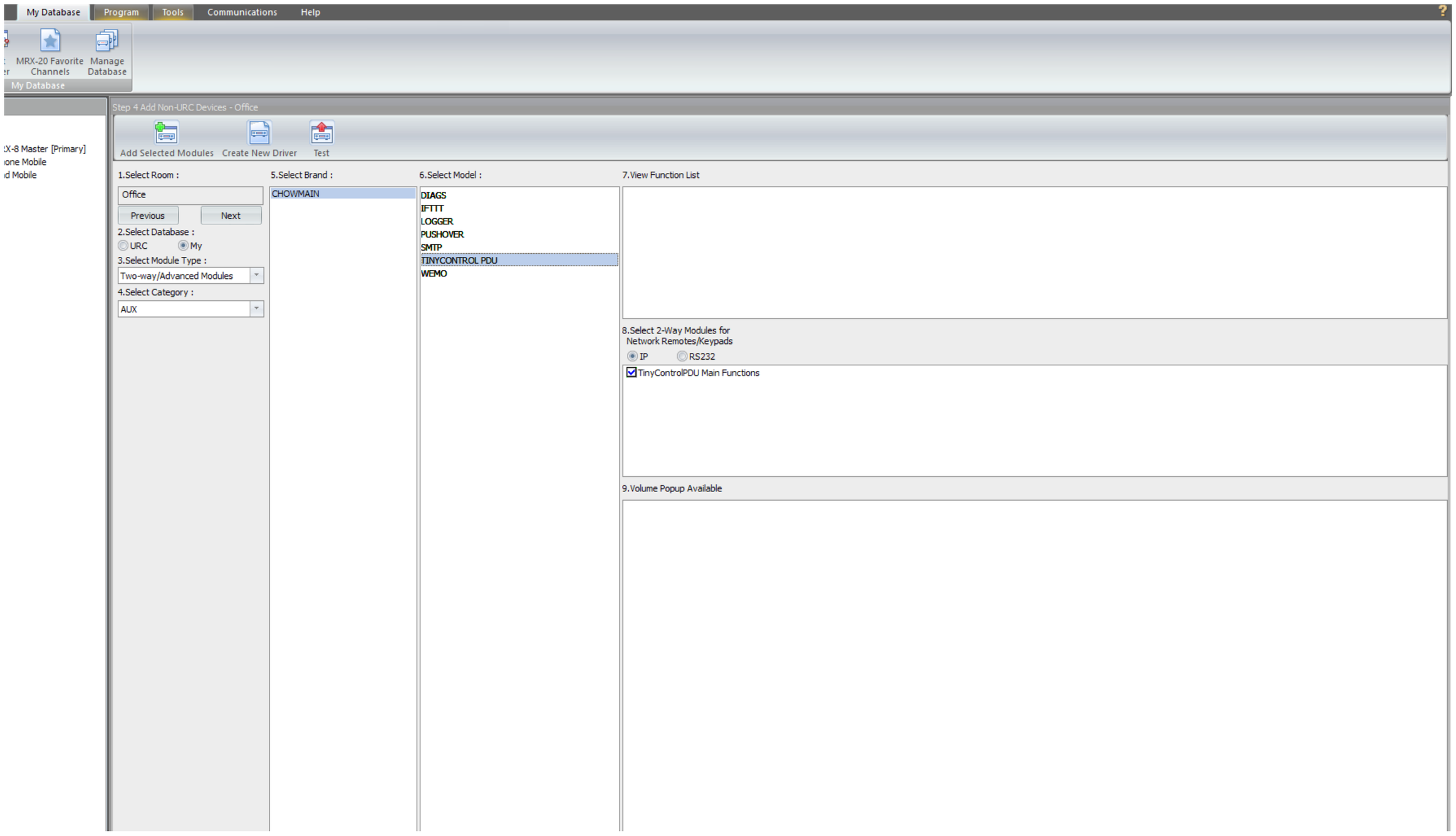


2. Add TinyControl PDU module to Accelerator

This module is designed to work with all of your IFTTT devices using a single module so you will only need to add it to one room.

Go to Step 4. Add Other Devices and Add Selected Modules.

Step 1 - select the room for the module
Step 2 - Select My
Step 3 - Select Two-Way/Advanced Modules
Step 4 - Select AUX
Step 5 - Select CHOWMAIN
Step 6 - Select TINYCONTROL PDU



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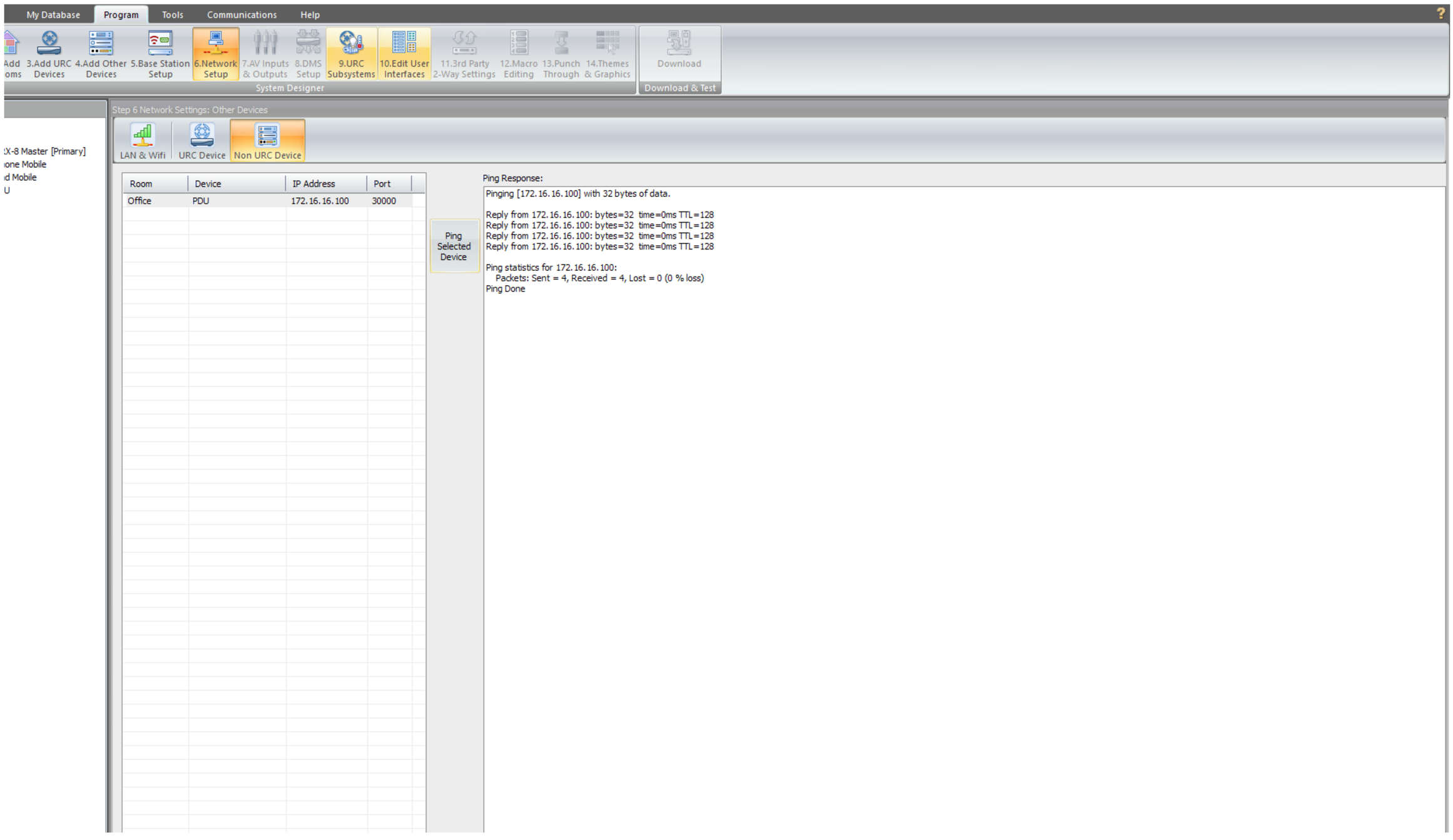
3. Add the network setting for the TinyControl PDU module

The TinyControl PDU requires an the IP address and port of the unit to be entered in the network settings.

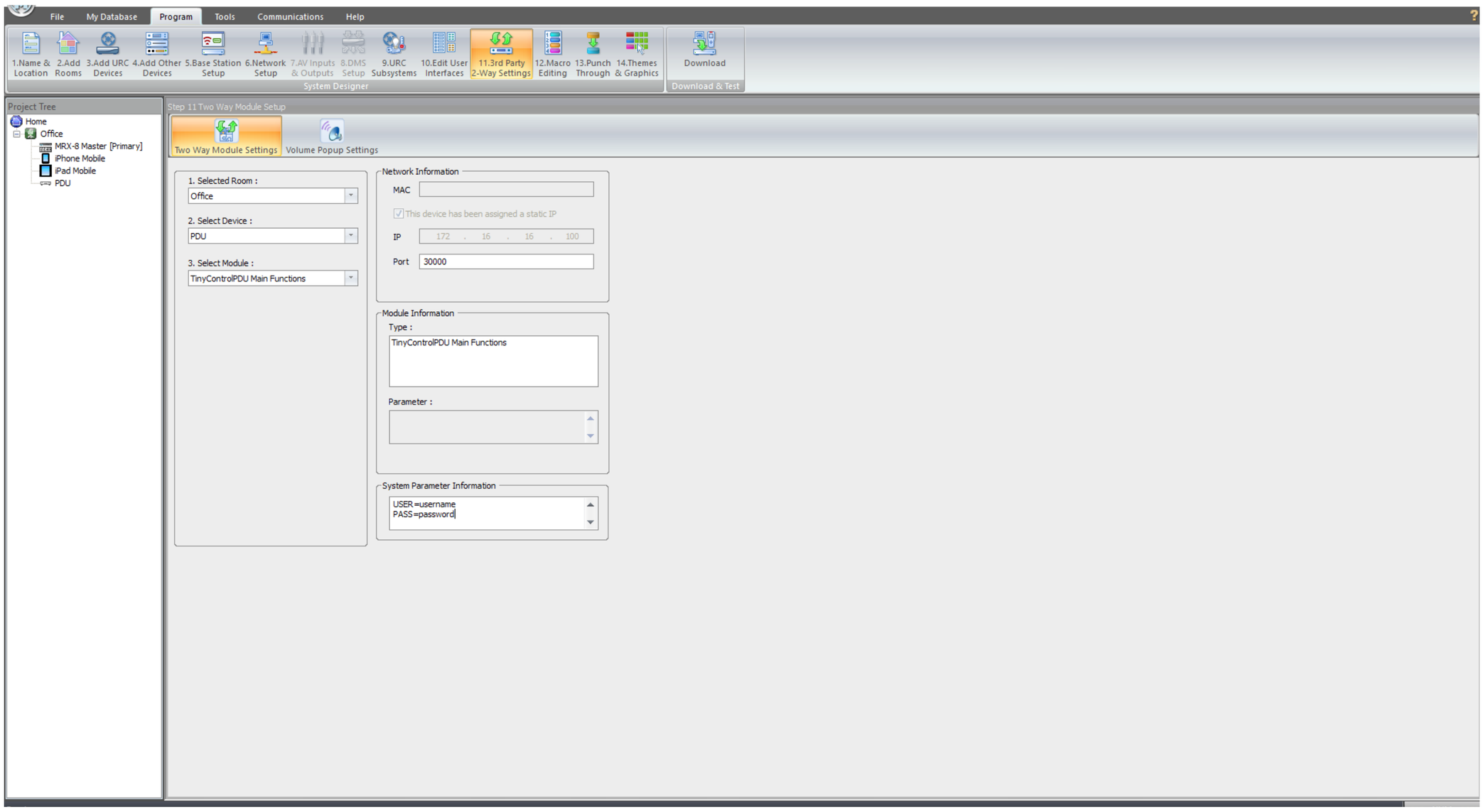
The default port is 30000 but it can be changed if you have reconfigured the unit.



4. Add the licence code

The Wemo module needs a licence to work. To add the licence go to Step 11 in Accelerator and select the Two Way Module Settings option. In the system parameter Information box enter your licence code.

You will now need to setup the accounts required to use this module and enter those details once you have them in this parameters field.



System Parameters

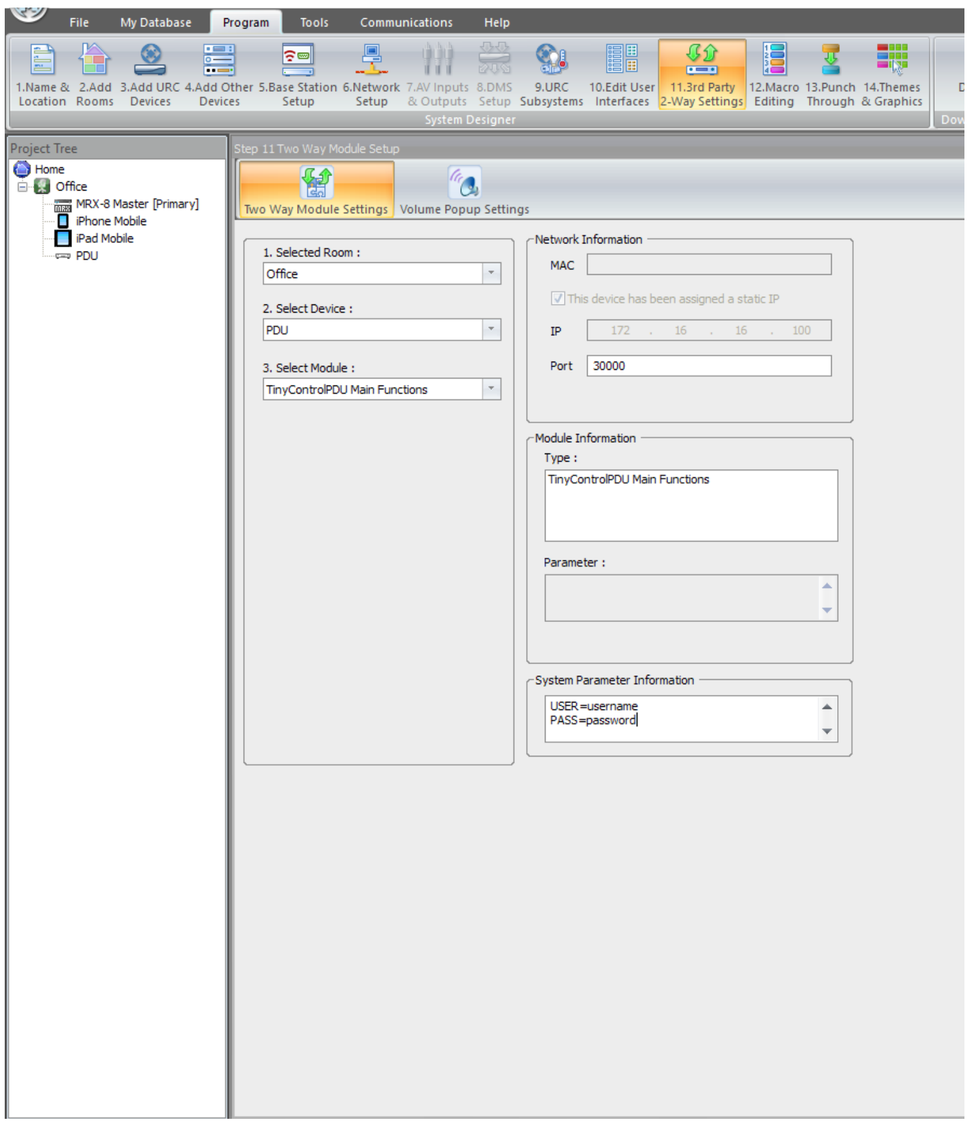
The TinyControl PDU module requires username and password to connect. The default username is admin and the default password is also admin.

All system parameters are entered in the following format

KEY=VALUE

The following table details the system parameters that work with this module.

KEY	PARAMETER
LICENCE	Licence code to register the driver
USER	The username for the PDU
PASS	The password for the PDU
DEBUG	Puts the module in to it's debug mode



Username

The USER parameter is a required parameter. The default username for the unit is admin.

Password

The PASS parameter is a required parameter. The default password for the unit is admin.

Debug

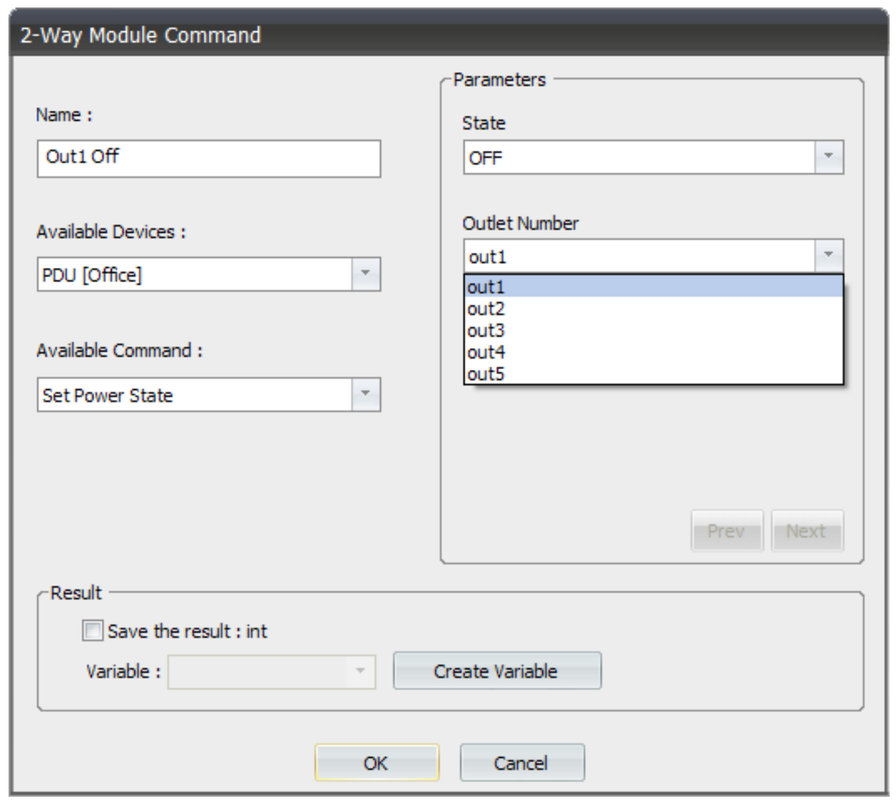
If the DEBUG parameter is present and set to ON (DEBUG=ON) then detailed log files will be written to the base station. The log files can be fetched by connecting to the base station with FTP and looking in the /Common/TinyControl PDU folder. This will cause additional load on the processor so it should be left off unless you are asked to turn it on.

Two Way Commands

The TinyControl PDU module has a single Two Way command - Set Power State.

This can be used to turn ony of the outlets on or off by selecting the state (ON/OFF) and the outlet you want to change.

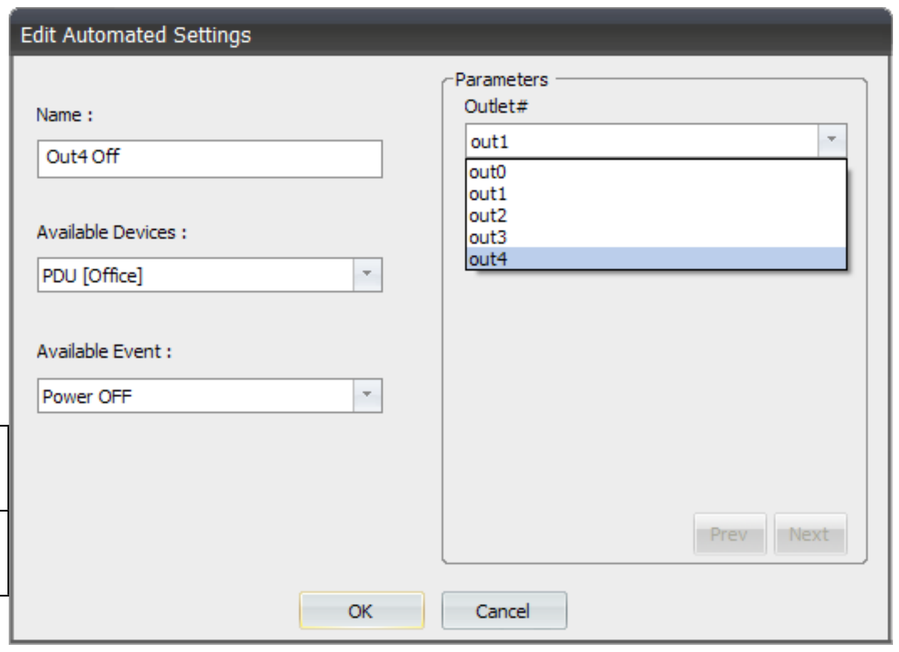
The outlets are listed as out1 - out5, the default way they are configured from the factory. Changing the names in the setup software will not affect the names here.



PARAMETER	DESCRIPTION
STATE	Select the state you want to set - ON or OFF
OUTLET NUMBER	Select the outlet you want to set.

Automation Events

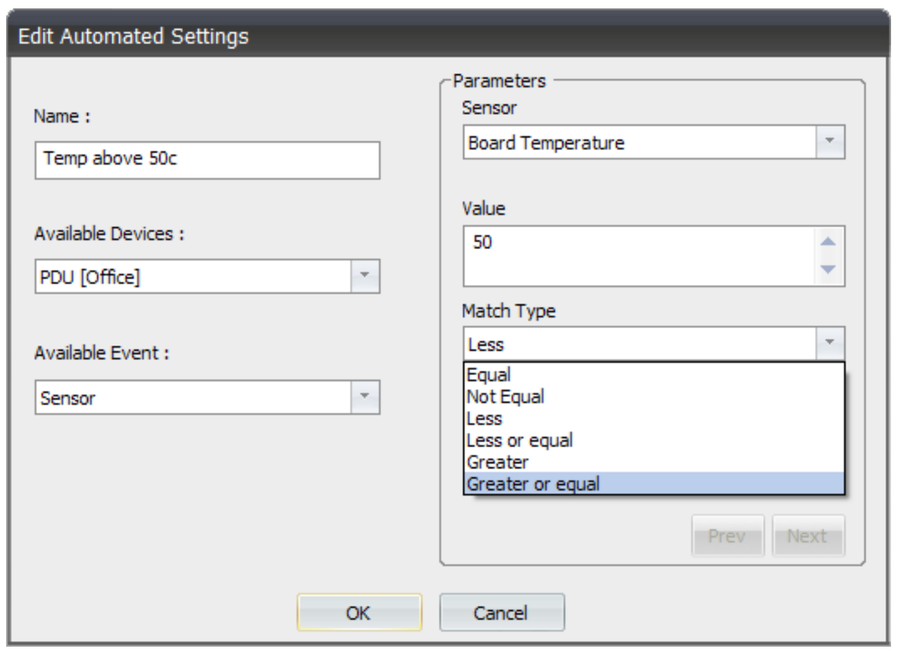
The TinyControl PDU module has three different types of Device Events.



The first two are basically the same type of event, Power OFF and Power ON. In both cases they take a single parameter for the outlet to affect.

Power On/Off Parameter Details

PARAMETER	DESCRIPTION
OUTLET NUMBER	Select the outlet top change



The third event type is for checking the sensors. This event has three parameters. The first is the sensor number (or Board Voltage / Board Temperature).

The second is the value to check against (this needs to be a number).

The final parameter is how to check the value.

PARAMETER	DESCRIPTION
SENSOR	Select the sensor number that you want to test.
VALUE	This is the value you want to check against.
MATCH TYPE	The type of check to make (see below)

PARAMETER	DESCRIPTION
EQUAL	The value must match exactly
NOT EQUAL	This will trigger is the value is not an exact match
LESS	The sensor value must be less than youe value
LESS OR EQUAL	The sensor value must be less than or equal to your value
GREATER	The sensor value must be greater than your value
GREATER Or EQUAL	The sensor value must be greater than or equal to your value