API Commands

ESPLux

Demonstration Unit

Board Revision: 0.1

2015-07-27

What's this?

This is a list of commands you can use to control your ESPLux. They will be the same commands I use in controlling the light from OpenHAB, however, you can use these in any system you'd like.

Commands

The method of interacting with the ESPLux is rather simple. You send it an HTTP GET command, and it'll do what you ask, or return the information you need.

Light Control

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*/setlight.lua?val=**value***

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value	0 − 1023	This is the light level you want to set. 0 is off, 1023 is 100% on, and any value in between is a dimmed appropriately. Be aware that extremely low dim levels may not play nicely with some lights with smarts in them.

Indicator Lights

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*/setIndicator.lua?state=**value***

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value   on - off   This is where you set the state of the
                           indicator lights. The text 'on' or 'off'
                           switches them on or off respectively.

Current State

/getState.lua

This will return all of the configurable options in a flat text file. Each
newline (\n) represents the next config value.

Line 1   0 – 1   This is the **Light is dimmable** checkbox.
                     If it is 1, control on the web page for
                     dimming is enabled. If it is 0, only
                     on/off control is available. Note: This
                     does *not* restrict the value you can
                     send through on the Light Control
                     section. Please use this value to
                     determine what you send through.

Line 2	0 − 1	This is the **Set light to previous value when switch is flipped** checkbox. When it is set to 0, it will always start the light back at 1023 on power on. When set to 1, it will use the value set on Line 4
Line 3	*Text*	This is the name of the light set on the **Light Name** option.
Line 4	0 − 1023	This is the current light value set by the Light Control section above. This value is used to set the web page up with the appropriate value, also, is used in conjunction with Line 2 to set the appropriate state on AC On
Line 5	0 − 1	This is the **Set Static IP** checkbox. If it is set to 0, the light will use DHCP to obtain an IP address, and lines 6 − 8 are ignored. If it is set to 1, a static IP is set with the following settings.
Line 6	*IP Address*	This is the static IP address set in the interface
Line 7	*IP Address*	This is the subnet set in the interface
Line 8	*IP Address*	This is the gateway set in the interface