

SwitchControl

URL: /1Wire/SwitchControl.html?SwitchRequest={Address1, {{Channel1, Action1, Reset}, {Channel2, Action2, Reset}}}

Example: <http://ha7.net/1Wire/SwitchControl.html?SwitchRequest={EC00000218E9D12, {{1, Read, False}, {2, OutputLow, False}}}>

The SwitchControl function allows you to easily check and control the state of the PIO pins in the DS2406. This function also added support for many devices manufactured by Embedded Data Systems and AAG including the D2 product line, the TxSS product line, and the TAI8555 Switch.

The variables in the SwitchControl function are a little more complicated than many in other High Level Functions:

Address1 = the ROM id of a specific DS2406

Channel1 = which PIO pin on the DS2406 should be addressed:

PIO-A = 1

PIO-B = 2

Action1 = what should be done to the DS2406:

Read = check current state of PIO pin without changing the state

InputRead = Sets the output transistor to not conducting (Off) which allows the DS2406 to sense whether the input is high or low

OutputLow = Sets the output transistor to conducting (On)

Reset

True = Reset activity latch after reading

False = Do not reset activity latch