

pin_configure

WMPRO FW >= 1.0 WMMEGA FW >= 2.0

Configure an I/O pin as a digital input, output, or analog input

Description

pin_configure (int \$pin_index, int \$pin_type [, int \$counter_type])

This function will change settings for certain pins on [WattmonPRO](#) and [MEGA](#). This is actually not to be used unless you know what you are doing, because it may cause certain parts of the device to not function properly.

Parameters

\$pin_index: The internal pin number. These are the configurable pins:

Pin Index	External Label (Physical)	Default	Settable as	Description
0	VIN/A1 (PIN 2)	ANALOG	ANALOG/INPUT/OUTPUT	Voltage of primary input
1	A2 (PIN 3)	ANALOG	ANALOG/INPUT/OUTPUT	Voltage of A2 input
2	A3 (PIN 4)	ANALOG	ANALOG/INPUT/OUTPUT	Voltage of A3 input
3	Internally available	ANALOG	ANALOG/INPUT/OUTPUT	No physical connection
6	DI1 (PIN 16)	INPUT	INPUT/COUNTER	Digital input (opto-isolated) or counter
7	DI2 (PIN 17)	INPUT	INPUT/COUNTER	Digital input (opto-isolated) or counter
8	DI3 (PIN 18)	INPUT	INPUT/COUNTER	Digital input (opto-isolated) or counter
9	DI4 (PIN 19)	INPUT	INPUT/COUNTER	Digital input (opto-isolated) or counter
10	DO1 (PIN 21)	OUTPUT	INPUT/OUTPUT	Digital output
11	DO2 (PIN 22)	OUTPUT	INPUT/OUTPUT	Digital output
12	DO3 (PIN 23)	OUTPUT	INPUT/OUTPUT	Digital output
13	DO4 (PIN 24)	OUTPUT	INPUT/OUTPUT	Digital output
14	RL1 (PIN 13)	OUTPUT	INPUT/OUTPUT	Latches the relay on (should never be kept on for long, just pulse to switch)
15	RL2 (PIN 14)	OUTPUT	INPUT/OUTPUT	Latches the relay off (should never be kept on for long, just pulse to switch)

\$pin_type: Any of the following (if settable for that pin), allowed values:

Pin Type	Description
1	Digital Output
2	Digital Input
4	Analog Input
16	Counter

\$counter_type: Optional if configuring a COUNTER (pin index 6-9), choose from the following:

Counter Type	Description
0	Trigger on High
1	Trigger on Low
2	Trigger on any change

Return Values

None

See Also

[pin_get\(\)](#) - Return the value of an I/O pin

[pin_set\(\)](#) - Set a digital output to value 1 or 0

[adc_read\(\)](#) - Read an onboard ADC channel

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