

The revised sensor assignment is as follows

Sensor Definitions

These are the values returned using the PID_SENSOR_DEFINITION command.

Sensor	Type	Text	Multiplier	Range Min	Range Max	Normal Min	Normal Max
0	Voltage DC	V_T1	10 ⁻¹	0	99.9	23.0	25.0
1	Voltage DC	V_T2	10 ⁻²	0	99.99	23.00	25.00
2	Voltage DC	V_T3	10 ⁻³	0	32.766	23.000	25.000
3	Current DC	I_T1	1	0	100	50	75
4	Current DC	I_T2	10 ⁻³	-32768	32767	0	32767
5	Temperature	Temp	1	-32767	32766	-32767	32766

Note that the Range Min and Range Max values for Sensor 4 indicate a range of “not defined” in accordance with the standard.

Sensor Values

These are the values returned using the PID_SENSOR_VALUE command

Sensor	Present Value	Correct Interpretation	Lowest Value	Highest Value	Recorded Value
0	121	12.1V	0	13.0	0
1	1201	12.01V	1	1299	0
2	12000	12.000V or 12,000mV	11999	12001	0
3	80	80A	1	99	0
4	1	0.001A or 1mA	0	0,002 or 2mA	0
5	-1	-1C	-100	100	0

The purpose of the first three sensors is to help check that any controller has correctly used the declared multipliers for each sensor.

Sensor5 now mimics a Temperature Sensor. Its range is set to reflect the boundary conditions for Min/Max. If these fail to display correctly it is likely that your controller is not handling 2's compliment numbers properly.

The number of times a correctly formatted SET:PID_RECORD_SENSORS has been received since power-up can now be retrieved using the PID_HELL_INTERNALSTATS command.