

PD Loop R3 – Short operational manual

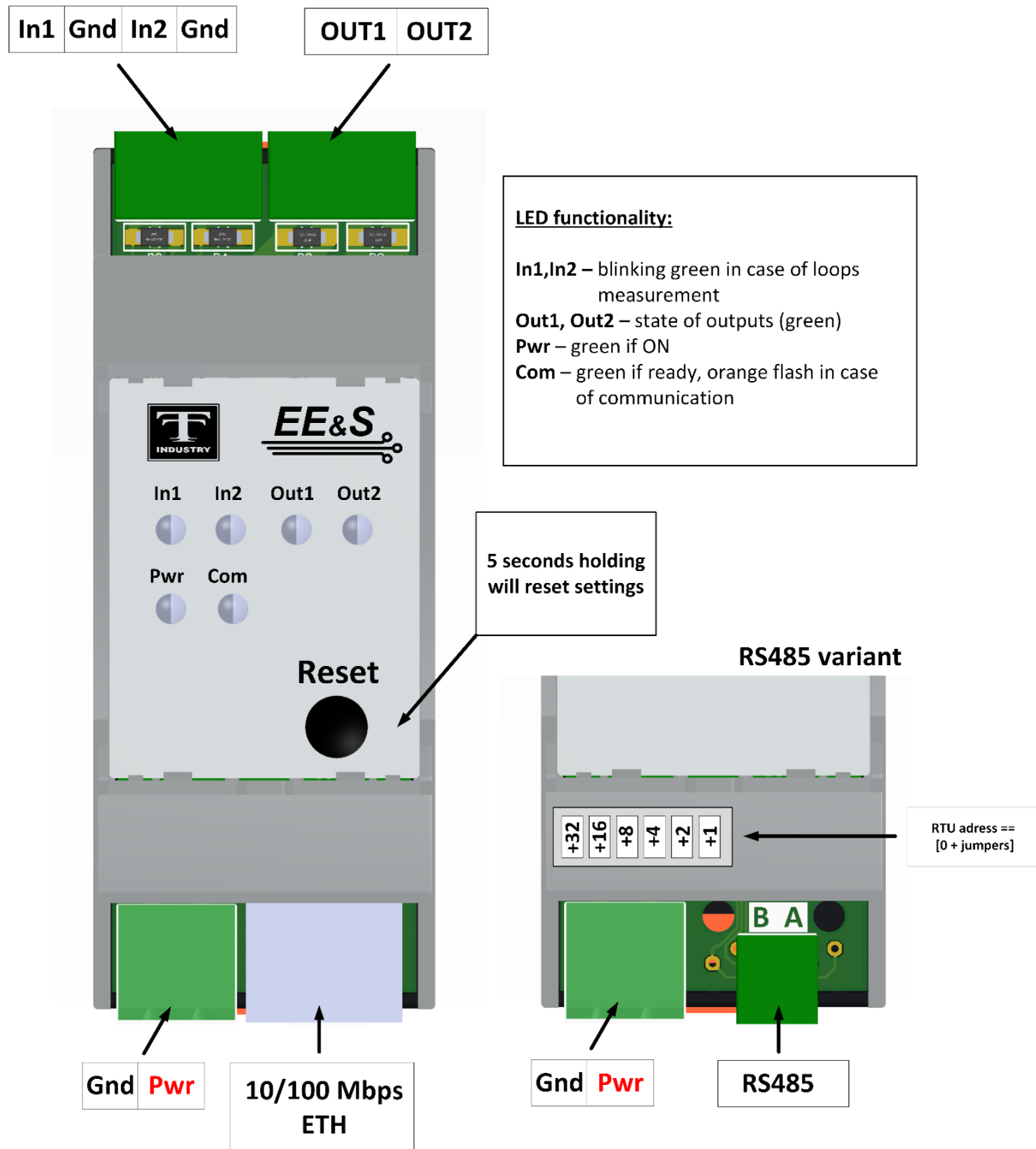


Fig. 1. - Module overview



Basic parameters:

Number of inputs: 2 current inputs. Maximum current 30 mA
2 voltage inputs. Maximum voltage 20 VDC (depends on version)

Powering: +12VDC ... 24VDC, consumption < 25mA

ModBUS RTU: 19200 bps, 8 bit, Even parity, 1 stop bit

ModBUS RTU address range: 0-63

ModBUS TCP: default: 192.168.0.100, 255.255.255.0, 192.168.0.1 port 502

Impulse sensing frequency: 10 Hz

Reset:

Hold RESET (right button) for at least 5 seconds, LED will flash orange, then release.

ModBUS address:

Input registers	
0	Current sensed at In1 [μ A] / Voltage sensed at In1 [mV]
1	Current sensed at In2 [μ A] / Voltage sensed at In2 [mV]

Holding registers	
0-15	not used, do not change
16,17,18,19	IP address of the device (default is: 192,168,0,100) (ETH)
20,21,22,23	IP subnet mask (default is: 255,255,255,0) (ETH)
24,25,26,27	IP gateway (default is: 192,168,0,1)
28	TCP port of ModBUS communication (default is: 502) (ETH)
29,30,31,32,33,34	MAC address (default is unique from factory) (ETH)

Coils	
0-3	not used, do not change
4	If set module will load new IP settings and automatically make reset (ETH)
5	Control for OUT1 relay (depends on product variant)
6	Control for OUT2 relay (depends on product variant)