PD Loop R3 – Short operational manual
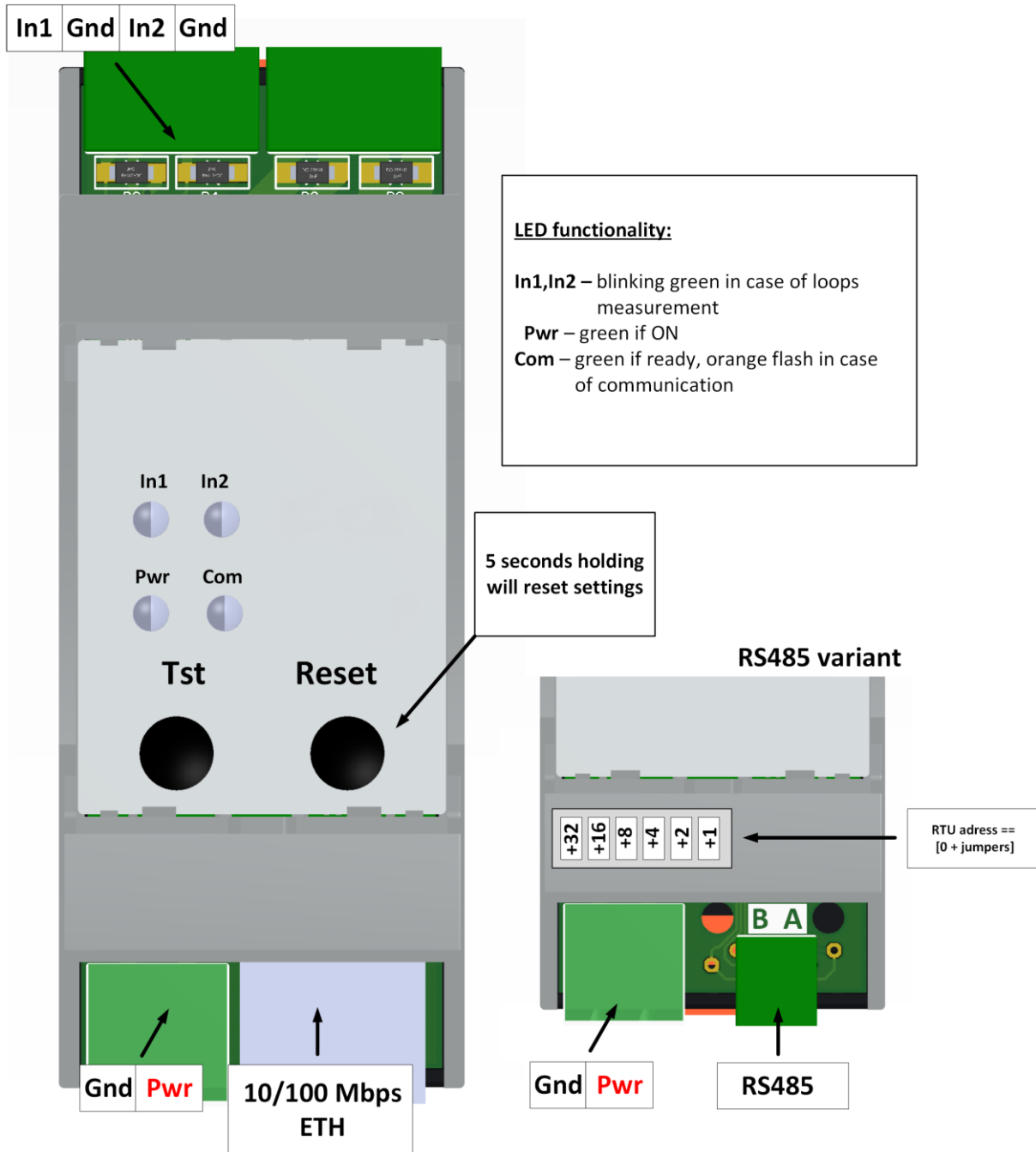

LED functionality:

In1,In2 – blinking green in case of loops measurement
Pwr – green if ON
Com – green if ready, orange flash in case of communication

5 seconds holding will reset settings

RS485 variant

RTU adress == [0 + jumpers]

Fig. 1. - Module overview

Basic parameters:

Number of inputs: 2 current inputs. Maximum current 30 mA
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 [µA]
1	Current sensed at In2 [µA]

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)