

SERIAL COMMUNICATION - RIN

Protocol: **Modbus RTU**;

Baud Rate: 1,200 to 57,600 bps;

Data Bits: **8**;

Stop bits: **1**;

Variable Type: Holding Register (40,000);

ADDRESS MODBUS RTU	READING TRACK	BITS INDEX	STATE	DESCRIPTION POINT NAME	WRITTEN READING	SCALE
1	0 – 1	-	-	Recorder – Liquid Detector.	L	1:1
			0	Liquid not detected;		
			1	Liquid detected		
2	0 - 1	-	-	Registrar – indication.	L	1:1
			0	Relay Logic Indication 1 NAF – Normal;		
			1	Indication of Relay Logic 1 NAF – Inverse;		
3	0 a 256	-	-	Serial Network Address.	L	1:1
4	0 - 1	-	-	Logger – Sensor Status.	L	1:1
			0	Fail-safe sensor;		
			1	Sensor failed;		

ADDRESS MODBUS RTU	READING TRACK	BITS INDEX	STATE	DESCRIPTION POINT NAME	WRITTEN READING	SCALE
5	0 – 7	-	-	Registrar – Serial Communication Speed.	L	-
		-	0	Automatic speed detection;		
		-	1	Fixed Communication Speed at 1,200 bps;		
		-	2	Fixed Communication Speed at 2,400 bps;		
		-	3	Fixed Communication Speed at 4,800 bps;		
		-	4	Communication speed fixed at 9,600 bps;		
		-	5	Communication speed fixed at 19,200 bps;		
		-	6	Communication speed fixed at 38,400 bps;		
		-	7	Communication speed fixed at 57,600 bps;		
6	0 – 1	-	-	Registrar – Communication Protocol.	L	-
		-	0	DNP 3 level 1;		
		-	1	Modbus RTU;		
7	0 – 2	-	-	Registrar – Communication Parity.	L	-
		-	0	No Parity;		
		-	1	Parity Parity;		
		-	2	Odd Parity;		
8	0 – 1	-	-	Registrar – Protection against changing parameters.	L	-
9	1 – 31	-	-	Manufacturing Day;	L	-
10	1 – 12	-	-	Month of Manufacture;	L	-
11	15 – 100	-	-	Year of Manufacture;	L	-
12	0 - 65536	-	-	Serial Number (16bits less significant);	L	-
13	0 – 255	-	-	Serial Number (8 most significant bits);	L	-
14	0 – 255	-	-	Equipment version;	L	-
15	0 – 65536	-	-	Firmware version of the equipment;	L	-