

SERIAL COMMUNICATION - RIN

Protocol: **DNP 3.0 (Lv.1);**

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

Data Bits: **8;**

Parity: **None/Odd/Even;**

Stop bits: **1;**

| ADDRESS DNP 3.0 | 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 DNP 3.0 | 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 | Communication Speed fixed at 4800 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 | - |