# RESOL VBus/Modbus Configuration

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| --- | --- |
| Filename: | RESOL\_DeltaTherm\_E\_ModbusConfig\_1.0.1.cbor |
| ID: | RESOL\_DeltaTherm\_E |
| Version: | 1.0.1 |
| Build at: | 2021-04-16 04:25 |

### Coils (Type 0)

No values defined!

### Discrete Inputs (Type 1)

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Description | Factor | Unit |
| 0 | Operating state Off | 1 |  |
| 1 | Operating state Error | 1 |  |
| 2 | Operating state Ready | 1 |  |
| 3 | Operating state Heating | 1 |  |
| 4 | Operating state Max. temp. RE | 1 |  |
| 5 | Operating state Max. temp. FL | 1 |  |
| 6 | Operating state Flushing | 1 |  |
| 7 | Operating state Backup heating | 1 |  |
| 8 | !Sensor module bus communication disturbed | 1 |  |
| 9 | !Power module bus communication disturbed | 1 |  |
| 10 | !Sensor fault line break | 1 |  |
| 11 | !Sensor fault short circuit | 1 |  |

### Input Registers (Type 3)

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Description | Factor | Unit |
| 0 | Countdown blockage | 1 |  |
| 1 | Power Excess (bits 16..31) | 0.001 | W |
| 2 | Power Excess (bits 0..15) | 0.001 | W |
| 3 | Power Heating (bits 16..31) | 0.001 | W |
| 4 | Power Heating (bits 0..15) | 0.001 | W |
| 5 | Temperature Flow (sensor 1) | 0.1 | °C |
| 6 | Temperature Return (sensor 2) | 0.1 | °C |
| 7 | Temperature Store top (sensor 3) | 0.1 | °C |
| 8 | Temperature sensor 4 | 0.1 | °C |
| 9 | Speed Loading pump | 1 | % |
| 10 | Pump speed relay 2 | 1 | % |
| 11 | Excess Wh (bits 16..31) | 1 | Wh |
| 12 | Excess Wh (bits 0..15) | 1 | Wh |
| 13 | Heating Wh (bits 16..31) | 1 | Wh |
| 14 | Heating Wh (bits 0..15) | 1 | Wh |
| 15 | Operating seconds heating (bits 16..31) | 1 | h |
| 16 | Operating seconds heating (bits 0..15) | 1 | h |
| 17 | Operating seconds backup heating (bits 16..31) | 1 | h |
| 18 | Operating seconds backup heating (bits 0..15) | 1 | h |
| 19 | Operating hours relay 2 (bits 16..31) | 1 | h |
| 20 | Operating hours relay 2 (bits 0..15) | 1 | h |
| 21 | Paramter Target temperature | 0.1 | °C |
| 22 | Paramter Reserve | 1 | W |
| 23 | System date (bits 16..31) | 1 |  |
| 24 | System date (bits 0..15) | 1 |  |

### Holding Registers (Type 4)

No values defined!