# RESOL VBus/Modbus Configuration

|  |  |
| --- | --- |
| Filename: | RESOL\_DeltaTherm\_HC\_ModbusConfig\_1.0.1.cbor |
| ID: | RESOL\_DeltaTherm\_HC |
| 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 | Error: Sensor fault | 1 |  |
| 1 | Error: Module error | 1 |  |

### Input Registers (Type 3)

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Description | Factor | Unit |
| 0 | Temperature sensor 1 | 0.1 | °C |
| 1 | Temperature sensor 2 | 0.1 | °C |
| 2 | Temperature sensor 3 | 0.1 | °C |
| 3 | Temperature sensor 4 | 0.1 | °C |
| 4 | Temperature sensor 5 | 0.1 | °C |
| 5 | Temperature sensor 6 | 0.1 | °C |
| 6 | Temperature sensor 7 | 0.1 | °C |
| 7 | Temperature sensor 8 | 0.1 | °C |
| 8 | Temperature sensor 9 | 0.1 | °C |
| 9 | Irradiation sensor | 1 | W/m² |
| 10 | Temperature sensor 11 | 0.1 | °C |
| 11 | Temperature sensor 12 | 0.1 | °C |
| 12 | Flow rate Sensor 1 (bits 16..31) | 1 | l/h |
| 13 | Flow rate Sensor 1 (bits 0..15) | 1 | l/h |
| 14 | Flow rate Sensor 2 (bits 16..31) | 1 | l/h |
| 15 | Flow rate Sensor 2 (bits 0..15) | 1 | l/h |
| 16 | Flow rate Sensor 3 (bits 16..31) | 1 | l/h |
| 17 | Flow rate Sensor 3 (bits 0..15) | 1 | l/h |
| 18 | Pressure sensor 11 | 0.01 | bar |
| 19 | Pressure sensor 12 | 0.01 | bar |
| 20 | Pump speed relay 1 | 1 | % |
| 21 | Pump speed relay 2 | 1 | % |
| 22 | Pump speed relay 3 | 1 | % |
| 23 | Pump speed relay 4 | 1 | % |
| 24 | Pump speed relay 5 | 1 | % |
| 25 | Controller output 1 | 1 | % |
| 26 | Controller output 2 | 1 | % |
| 27 | System date (bits 16..31) | 1 |  |
| 28 | System date (bits 0..15) | 1 |  |
| 29 | Error mask (bits 16..31) | 1 |  |
| 30 | Error mask (bits 0..15) | 1 |  |
| 31 | Warning mask (bits 16..31) | 1 |  |
| 32 | Warning mask (bits 0..15) | 1 |  |
| 33 | TflowSet | 0.1 | °C |
| 34 | Operating state | 1 |  |
| 35 | Op. mode | 1 |  |
| 36 | Boiler starts (bits 16..31) | 1 |  |
| 37 | Boiler starts (bits 0..15) | 1 |  |
| 38 | TflowSet | 0.1 | °C |
| 39 | Operating state | 1 |  |
| 40 | Op. mode | 1 |  |
| 41 | Boiler starts (bits 16..31) | 1 |  |
| 42 | Boiler starts (bits 0..15) | 1 |  |
| 43 | TflowSet | 0.1 | °C |
| 44 | Operating state | 1 |  |
| 45 | Op. mode | 1 |  |
| 46 | Boiler starts (bits 16..31) | 1 |  |
| 47 | Boiler starts (bits 0..15) | 1 |  |
| 48 | TflowSet | 0.1 | °C |
| 49 | Operating state | 1 |  |
| 50 | Op. mode | 1 |  |
| 51 | Boiler starts (bits 16..31) | 1 |  |
| 52 | Boiler starts (bits 0..15) | 1 |  |
| 53 | TflowSet | 0.1 | °C |
| 54 | Operating state | 1 |  |
| 55 | Op. mode | 1 |  |
| 56 | Boiler starts (bits 16..31) | 1 |  |
| 57 | Boiler starts (bits 0..15) | 1 |  |
| 58 | TflowSet | 0.1 | °C |
| 59 | Operating state | 1 |  |
| 60 | Op. mode | 1 |  |
| 61 | Boiler starts (bits 16..31) | 1 |  |
| 62 | Boiler starts (bits 0..15) | 1 |  |
| 63 | TflowSet | 0.1 | °C |
| 64 | Operating state | 1 |  |
| 65 | Op. mode | 1 |  |
| 66 | Boiler starts (bits 16..31) | 1 |  |
| 67 | Boiler starts (bits 0..15) | 1 |  |
| 68 | Value (bits 16..31) | 1 | Wh |
| 69 | Value (bits 0..15) | 1 | Wh |
| 70 | Power (bits 16..31) | 1 | W |
| 71 | Power (bits 0..15) | 1 | W |
| 72 | Value (today) (bits 16..31) | 1 | Wh |
| 73 | Value (today) (bits 0..15) | 1 | Wh |
| 74 | Value (week) (bits 16..31) | 1 | Wh |
| 75 | Value (week) (bits 0..15) | 1 | Wh |
| 76 | Value (bits 16..31) | 1 | Wh |
| 77 | Value (bits 0..15) | 1 | Wh |
| 78 | Power (bits 16..31) | 1 | W |
| 79 | Power (bits 0..15) | 1 | W |
| 80 | Value (today) (bits 16..31) | 1 | Wh |
| 81 | Value (today) (bits 0..15) | 1 | Wh |
| 82 | Value (week) (bits 16..31) | 1 | Wh |
| 83 | Value (week) (bits 0..15) | 1 | Wh |
| 84 | Value (bits 16..31) | 1 | Wh |
| 85 | Value (bits 0..15) | 1 | Wh |
| 86 | Power (bits 16..31) | 1 | W |
| 87 | Power (bits 0..15) | 1 | W |
| 88 | Value (today) (bits 16..31) | 1 | Wh |
| 89 | Value (today) (bits 0..15) | 1 | Wh |
| 90 | Value (week) (bits 16..31) | 1 | Wh |
| 91 | Value (week) (bits 0..15) | 1 | Wh |
| 92 | Value (bits 16..31) | 1 | Wh |
| 93 | Value (bits 0..15) | 1 | Wh |
| 94 | Power (bits 16..31) | 1 | W |
| 95 | Power (bits 0..15) | 1 | W |
| 96 | Value (today) (bits 16..31) | 1 | Wh |
| 97 | Value (today) (bits 0..15) | 1 | Wh |
| 98 | Value (week) (bits 16..31) | 1 | Wh |
| 99 | Value (week) (bits 0..15) | 1 | Wh |
| 100 | Value (bits 16..31) | 1 | Wh |
| 101 | Value (bits 0..15) | 1 | Wh |
| 102 | Power (bits 16..31) | 1 | W |
| 103 | Power (bits 0..15) | 1 | W |
| 104 | Value (today) (bits 16..31) | 1 | Wh |
| 105 | Value (today) (bits 0..15) | 1 | Wh |
| 106 | Value (week) (bits 16..31) | 1 | Wh |
| 107 | Value (week) (bits 0..15) | 1 | Wh |
| 108 | Sensor 1 | 0.1 | °C |
| 109 | Sensor 2 | 0.1 | °C |
| 110 | Sensor 3 | 0.1 | °C |
| 111 | Sensor 4 | 0.1 | °C |
| 112 | Sensor 5 | 0.1 | °C |
| 113 | Sensor 6 | 0.1 | °C |
| 114 | Pump speed relay 1 | 1 | % |
| 115 | Pump speed relay 2 | 1 | % |
| 116 | Pump speed relay 3 | 1 | % |
| 117 | Pump speed relay 4 | 1 | % |
| 118 | Pump speed relay 5 | 1 | % |
| 119 | Sensor 1 | 0.1 | °C |
| 120 | Sensor 2 | 0.1 | °C |
| 121 | Sensor 3 | 0.1 | °C |
| 122 | Sensor 4 | 0.1 | °C |
| 123 | Sensor 5 | 0.1 | °C |
| 124 | Sensor 6 | 0.1 | °C |
| 125 | Pump speed relay 1 | 1 | % |
| 126 | Pump speed relay 2 | 1 | % |
| 127 | Pump speed relay 3 | 1 | % |
| 128 | Pump speed relay 4 | 1 | % |
| 129 | Pump speed relay 5 | 1 | % |
| 130 | Sensor 1 | 0.1 | °C |
| 131 | Sensor 2 | 0.1 | °C |
| 132 | Sensor 3 | 0.1 | °C |
| 133 | Sensor 4 | 0.1 | °C |
| 134 | Sensor 5 | 0.1 | °C |
| 135 | Sensor 6 | 0.1 | °C |
| 136 | Pump speed relay 1 | 1 | % |
| 137 | Pump speed relay 2 | 1 | % |
| 138 | Pump speed relay 3 | 1 | % |
| 139 | Pump speed relay 4 | 1 | % |
| 140 | Pump speed relay 5 | 1 | % |
| 141 | Sensor 1 | 0.1 | °C |
| 142 | Sensor 2 | 0.1 | °C |
| 143 | Sensor 3 | 0.1 | °C |
| 144 | Sensor 4 | 0.1 | °C |
| 145 | Sensor 5 | 0.1 | °C |
| 146 | Sensor 6 | 0.1 | °C |
| 147 | Pump speed relay 1 | 1 | % |
| 148 | Pump speed relay 2 | 1 | % |
| 149 | Pump speed relay 3 | 1 | % |
| 150 | Pump speed relay 4 | 1 | % |
| 151 | Pump speed relay 5 | 1 | % |
| 152 | Sensor 1 | 0.1 | °C |
| 153 | Sensor 2 | 0.1 | °C |
| 154 | Sensor 3 | 0.1 | °C |
| 155 | Sensor 4 | 0.1 | °C |
| 156 | Sensor 5 | 0.1 | °C |
| 157 | Sensor 6 | 0.1 | °C |
| 158 | Pump speed relay 1 | 1 | % |
| 159 | Pump speed relay 2 | 1 | % |
| 160 | Pump speed relay 3 | 1 | % |
| 161 | Pump speed relay 4 | 1 | % |
| 162 | Pump speed relay 5 | 1 | % |

### Holding Registers (Type 4)

No values defined!