

Registered access

Modbus	Dec	Hex	Register Name	Access	Description
30001	0	0x00	Version/Type	Read	Version and Type of the device
30002	1	0x01	Switches	Read	Switches state
40003	2	0x02	Baud rate	Read &Write	RS485 baud rate
40004	3	0x03	Stop Bits & Data Bits	Read & Write	No of Stop bits & Data Bits
40005	4	0x04	Parity	Read & Write	Parity bit
40006	5	0x05	Response Delay	Read & Write	Response delay in ms
40007	6	0x06	Modbus Mode	Read & Write	Modbus Mode (ASCII or RTU)
40010	9	0x09	Analog Filtering	Read & Write	Configuration analog filtering
40033	32	0x20	Received packets MSB	Read & Write	No of received
40034	33	0x21	Received packets LSB	Read & Write	packets
40035	34	0x22	Incorrect packets MSB	Read & Write	No of received
40036	35	0x23	Incorrect packets LSB	Read & Write	packets with error
40037	36	0x24	Sent packets MSB	Read & Write	
40038	37	0x25	Sent packets LSB	Read & Write	No of sent packets
30051	50	0x32	Inputs	Read	Connected sensors Bit in high state → sensor is connected
40052	51	0x33	Outputs	Read & Write	Alarms state bit 6 and 7 alarm outputs
30053	52	0x34	Temperature 1	Read	Temperature or measured analog
30054	53	0x35	Temperature 2	Read	
30055	54	0x36	Temperature 3	Read	in mV·10 for voltage to 2048 mV
30056	55	0x37	Temperature 4	Read	in mV-100 for voltage to 256 mV
30057	56	0x38	Temperature 5	Read	in °C·10 for temperature
30058	57	0x39	Temperature 6	Read	in Ω for resistance
30059	58	0x3A	Alarm temperature 1	Read	Alarm temperature for alarm output 1
30060	59	0x3B	Alarm temperature 2	Read	Alarm temperature for alarm output 2
30061	60	0x3C	Junction temperature	Read	Module junction temperature
30062	61	0x3D	Measurement current	Read	Measurement current
40063	62	0x3E	MAX alarm level 1	Read & Write]
40064	63	0x3F	MAX alarm level 2	Read & Write	
40065	64	0x40	MAX alarm level 3	Read & Write	If the temperature exceeds this value
40066	65	0x41	MAX alarm level 4	Read & Write	the corresponding alarm flag is set
40067	66	0x42	MAX alarm level 5	Read & Write	
40068	67	0x43	MAX alarm level 6	Read & Write	
40069	68	0x44	MIN alarm level 1	Read & Write	
40070	69	0x45	MIN alarm level 2	Read & Write	If the temperature is below this value corresponding alarm flag is set
40071	70	0x46	MIN alarm level 3	Read & Write	
40072	71	0x47	MIN alarm level 4	Read & Write	
40073	72	0x48	MIN alarm level 5	Read & Write	

		1109	JISTELEU	40000	0
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40074	73	0x49	MIN alarm level 6	Read & Write	
40075	74	0x4A	Alarm settings 1	Read & Write	
40076	75	0x4B	Alarm settings 2	Read & Write	Alarm settings 0 – alarm due to the current temperature 1 – Remember the value of the alarm, until reset by the master via Modbus
40077	76	0x4C	Alarm settings 3	Read & Write	
40078	77	0x4D	Alarm settings 4	Read & Write	
40079	78	0x4E	Alarm settings 5	Read & Write	
40080	79	0x4F	Alarm settings 6	Read & Write	
40081	80	0x50	Constant junction temperature	Read & Write	Value of junction temperature
40082	81	0x51	Junction temperature offset	Read & Write	Junction temperature offset
40083	82	0x52	Input 1 settings	Read & Write	Analog input mode: 0 – input disabled 1 – voltage to 2048
40084	83	0x53	Input 2 settings	Read & Write	mV 2 - voltage to 256 mV 3 - J thermocouple 4 - K thermocouple 5 - T thermocouple 6 - N thermocouple 7 - S thermocouple 9 - B thermocouple 10 - Pt100 3-wire 11 - Pt100 2-wire 12 - resistance to 8kΩ 13 - Ni100 14 - KTY81-110 15 - Pt500 3-wire 16 - Pt500 3-wire 17 - Pt1000 3-wire 18 - Pt1000 2-wire
40085	84	0x54	Input 3 settings	Read & Write	
40086	85	0x55	Input 4 settings	Read & Write	
40087	86	0x56	Input 5 settings	Read & Write	+32 – junction temperature is taken from register 40081 "Constant junction temperature"
40088	87	0x57	Input 6 settings	Read & Write	
40089	88	0x58	Output 1 settings	Read & Write	Alarm output settings 0 - output is set by PLC +1 - temperature from input 1 +2 - temperature from input 2 +4 - temperature from input 3 +8 - temperature from input 4 +16 - temperature from input 5
40090	89	0x59	Output 2 settings	Read & Write	+32 - temperature from input 6 +256 - Output is set if value is greater than Alarm Value (register 40091 or 40092) (.cooling') +512 - Output is set if value is less than

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					Alarm Value (register 40091 or 40092) ("heating")
					+1024 – The lowest value from selected inputs +2048 – The greatest value from selected inputs (if not select either of the two above options than is used average value of selected inputs)
40091	90	0x5A	Alarm Value 1	Read & Write	Alarm value for outputs
40092	91	0x5B	Alarm Value 2	Read & Write	
40093	92	0x5C	Alarm hysteresis 1	Read & Write	The hysteresis value for alarm outputs
40094	93	0x5D	Alarm hysteresis 2	Read & Write	
40095	94	0x5E	Input resistance 1	Read & Write	Lead wire resistance for each input
40096	95	0x5F	Input resistance 2	Read & Write	
40097	96	0x60	Input resistance 3	Read & Write	
40098	97	0x61	Input resistance 4	Read & Write	
40099	98	0x62	Input resistance 5	Read & Write	
40100	99	0x63	Input resistance 6	Read & Write	