

Din Smart Thermostat

Read/Write

Function Code	Register Code	Menu / Name	Submenu	Range	Precision / values	Increments	Default	Unit	Explanation
0x03	0000	Heating Setpoint		50 - 400	1	0.5°C	210	Degrees Celsius: °C	Heating Setpoint
0x03	0001	Cooling Setpoint		50 - 400	1	0.5°C	180	Degrees Celsius: °C	Cooling Setpoint
0x03	0002	ECO Setpoint		50 - 400	1	0.5°C	180	Degrees Celsius: °C	ECO Setpoint
0x03	0003	Power regulator active time		10 - 100	10	10 %	20	Percent: %	Power regulator active time
0x03	0004	(MODE)		0 - 3	OFF = 0 Heating = 1 Cooling = 2 ECO = 3		1		Set the thermostat mode.
0x03	0005	(OPER)		1 - 4	F = 1 A2 = 2 A2F = 3 PWER = 4		1		Choose which sensor mode the device should operate with.
0x03	0006	(SEN)		0 - 7	0 = 10KΩ 1 = 12KΩ 2 = 15KΩ 3 = 22KΩ 4 = 33KΩ 5 = 47KΩ 6 = 6.8KΩ 7 = 100KΩ		0		Select the resistance value of the connected NTC.
0x03	0007	(MIN)	(A2LO)	20 - 400	1	0.5°C	50	Degrees Celsius: °C	Decides the lowest temperature allowed by the thermostat when using sensor mode A2.
0x03	0008	(MIN)	(FLO)	20 - 400	1	0.5°C	50	Degrees Celsius: °C	Decides the lowest temperature allowed by the thermostat when using sensor mode F, A2F.
0x03	0009	(MAX)	(A2HI)	20 - 400	1	0.5°C	400	Degrees Celsius: °C	Decides the highest temperature allowed by the thermostat when using sensor mode A2.
0x03	0010	(MAX)	(FHI)	20 - 400	1	0.5°C	400	Degrees Celsius: °C	Decides the highest temperature allowed by the thermostat when using sensor mode F, A2F.
0x03	0011	(BRIT)	(BR1)	10 - 100	10	10 %	100	Percent: %	Configure the brightness of the display during active state.
0x03	0012	(BRIT)	(BR2)	10 - 100	10	10 %	50	Percent: %	Configure the brightness of the display during standby state.
0x03	0013	(REG)		1 - 2	HYST = 1 PWM = 2		1		Choose between regulation modes PWM and Hysteresis.
0x03	0014	(REG)	(HYST)	3 - 30	1	0.1°C	5	Degrees Celsius: °C	Choose the hysteresis used when regulation mode is set to HYST.
0x04	0015	(OWD)		0 - 1	Inactive = 0 Active = 1		0		Choose to enable or disable the Open windows detection
0x03	0016	(LOAD)		0 - 9900	Multiplication factor: 100		0		Multiply the value by 100 to get the actual wattage. The load connected to the Thermostat
0x03	0017	(KWH)		0 - 1	Default = 0 Reset = 1		0		Used to reset the accumulated kWh. Additional holding register is used for showing kWh
0x03	0018	(CAL)	(CAF)	(-60) - 60	1	0.1°C	0	Degrees Celsius: °C	Manually calibrate sensor F ±6°C.
0x03	0019	(CAL)	(CAE)	(-60) - 60	1	0.1°C	0	Degrees Celsius: °C	Manually calibrate sensor A2 ±6°C.
0x03	0020	Disable buttons		0 - 1	Inactive = 0 Active = 1		0		Disable buttons, must be enabled through the parameter, or turned back on locally by holding the Center and Right button for 30 seconds until the display shows "UNLK".
0x03	0021	Display ON/OFF		0 - 1	Inactive = 0 Active = 1		1		Turn the Display ON or OFF
0x03	0022	Temperature display		0 - 1	Setpoint = 0 Measured Temp = 1		0		Select what is shown on the display during Standby state.
0x03	0023	Action after error		0, 10 - 65535			0	Seconds	Decide how the device should react when the overload / overheating features has turned OFF relay.

Read Only

Function Code	Register Code	Menu / Name	Submenu	Range	Precision / values	Increments	Default	Unit	Explanation
0x04	0000	Test value 1		1	1				Value should be 1
0x04	0001	Test value 2		1	1				Value should be 1
0x04	0002	Temperature Floor (F)			1	0.1°C		Degrees Celsius: °C	Reads the temperature on the Floor sensor (F)
0x04	0003	Temperature External (A2)			1	0.1°C		Degrees Celsius: °C	Reads the temperature on the External sensor (A2)
0x04	0004	Thermostat Operating state		0 - 2	Idle = 0 Heating = 1 (Default) Cooling = 2				Shows if the thermostat is currently heating.
0x04	0005	Power draw					0	Watt: W	Shows the power draw of the thermostat.
0x04	0006	Accumulated energy			Precision: 1		0	Kilo Watt Hours: kWh	Shows the Total consumed power of the thermostat.
0x04	0007	Open window detection state		0 - 1	Inactive = 0 Active = 1		0		Shows the state of the Open Window Protection.
0x04	0008	Error code		0 - 7	Inactive = 0 ERR1 = 1 ERR2 = 2 ERR3 = 3 ERR4 = 4 ERR5 = 5 ERR6 = 6 ERR7 = 7		0		Shows if there is a Error status on the device.