

Temp	Register Address (Decimal)	Value Range (Decimal)	Default Value (Decimal)	Function	Read/Write	Value Description
B1-Touch (Temp "-")	0	0-1	0	Input	RW	On Touch 0->1 On Reading 1->0 (‘Clear On Read’)
B2-Touch (Temp "+")	1	0-1	0	Input	RW	On Touch 0->1 On Reading 1->0 (‘Clear On Read’)
B3-Touch (°C/°F)	2	0-1	0	Input	RW	On Touch 0->1 On Reading 1->0 (‘Clear On Read’)
B4-Touch (Small Fan (OFF))	3	0-1	0	Input	RW	On Touch 0->1 On Reading 1->0 (‘Clear On Read’)
B5-Touch (Big Fan)	4	0-1	0	Input	RW	On Touch 0->1 On Reading 1->0 (‘Clear On Read’)
B6-Touch (Auto)	5	0-1	0	Input	RW	On Touch 0->1 On Reading 1->0 (‘Clear On Read’)
B1-LED touch (Temp "-")	10	0-1	0	Output	RW	0=OFF, 1=ON
B2-LED touch (Temp "+")	11	0-1	0	Output	RW	0=OFF, 1=ON
B3-LED touch (°C/°F)	12	0-1	0	Output	RW	0=OFF, 1=ON
B4-LED touch (Small Fan (OFF))	13	0-1	0	Output	RW	0=OFF, 1=ON
B5-LED touch (Big Fan)	14	0-1	0	Output	RW	0=OFF, 1=ON
B6-LED touch (Auto)	15	0-1	0	Output	RW	0=OFF, 1=ON
Panel Backlight	24	0-1	1	Output	RW	0=OFF, 1=ON
LCD Display – Current Temp Value	30	150(dec)=0x0096(hex) 155(dec)=0x009B(hex) ↓ 290(dec)=0x0122(hex)	260(dec)=0x0105(hex)	Output	RW	Panel to measure and display the current room° 150(dec)=15.0° 155(dec)=15.5° ↓ 290(dec)=29.0°
Set Temp Value	31	150(dec)=0x0096(hex) 155(dec)=0x009B(hex) ↓ 290(dec)=0x0122(hex)	260(dec)=0x0105(hex)	Output	RW	On pressing B1/B2 value will decrease/increase ±10(dec) i.e. 1.0°C, but within value range defined in Reg 40 and Reg 41 respectively
Fan Speed	32	0-3	0	Output	RW	B4-Touch = Decrement by 1 count (Min. value = 0) B5-Touch = Increment by 1 count. The Value range for Max fan speed is defined by value in Reg 42 B6-Touch (AUTO)=Set 0xff(255)
SetTemp - Min	40	150(dec)=0x0096(hex)	150	Setting	RW	Setting Temp_Min limit
SetTemp - Max	41	290(dec)=0x0122(hex)	290	Setting	RW	Setting Temp_Max limit
SetFan – Max	42	3(dec)=0x0003(hex)	3	Setting	RW	Setting Fan_Max limit
LCD Display Light - Timeout	43	0-255	10(dec)=0x000A(hex)	Output	RW	TimeOut in sec for which the LCD will stay FULL before DIMMED.
Temp Unit	44	0-1	0	Setting	RW	0=Degree Celsius 1=Fahrenheit
LCD Display Parameter	45	0-2	0	Setting	RW	0-> Set Temperature 1-> Current Temperature 2-> Fan Speed
Button LED - Timeout	48	0-65535	200(dec)=0x00C8(hex)	Setting	RW	TimeOut in msec for which any Button-LED notification should remain ON after detection.
Device Address	49	0-200	20	Setting	RW	Panel Type ID
Baud Rate	50	0-2	2	Setting	RW	0=4800
						1=9600
						2=19200

						3=38400
Long Push delay	51	2000-6000	3000	Setting	RW	
LCD on/off setting	52	0-1	1	Setting	RW	0-off; 1-on
Temperature offset setting	53	-9 - +9	0	Setting	RW	In steps of 0.5 degree
Temperature set point	54	0-1	0	Setting	RW	0-0.5 degree; 1-1 degree
Lock mold setting	55	0-2	0	Setting	RW	0-No lock 1-Complete lock 2-Power lock
"Lock" display setting	56	0-1	0	Setting	RW	0-Continuously display 1-Shown for 3 seconds
Stop bit setting	57	1-2	2	setting	RW	1-1 stop bit, 2-2 stop bits
B6 (Auto) - LED configuration	60	0-1	0	Setting	RW	Configuration Mode 0-Normal

Improved: (20171222)

1. Add a modbus register that enables to swith between Mobbus parity,, odd' or ,, ebeb''
2. Default setting in register 43 be "3" instead of zero
3. Default setting in register 45 be "1" instead of zero
4. Default setting in register 48 be "400" instead of 1000
5. For register 44, show "Fahrenheit" symbol in display If register is set to "1" will
6. When the thermostat is off all the LEDs should be off as well.