

REG MAP (Addr:0x32)		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	note		
Temperature	0x00 R	Temperature -L	Temperature -H															Temperature: unit Celsius (actual temp value) * 100 ^[1]		
Emissivity	0x10 R/W	Emissivity-L	Emissivity-H															Emissivity: 65535 * rate (0.1 < rate < 1) ^[2]		
Alarm Temperature	0x20 R/W	Alarm Low Temp-L	Alarm Low Temp-H	Alarm High Temp-L	Alarm High Temp-H													Alarm Temp: unit Celsius (actual temp value) * 100 ^[3]		
Alarm LED	0x30 R/W	Alarm Low Temp-R	Alarm Low Temp-G	Alarm Low Temp-B	Alarm High Temp-R	Alarm High Temp-G	Alarm High Temp-B											Alarm LED R/G/B: 0~255		
Alarm Buzz	0x40 R/W	Alarm Low Temp Buzz Freq-L	Alarm Low Temp Buzz Freq-H	Alarm Low Temp Buzz Interval-L	Alarm Low Temp Buzz Interval-H	Alarm Low Temp Buzz Duty	Alarm High Temp Buzz Freq-L	Alarm High Temp Buzz Freq-H	Alarm High Temp Buzz Interval-L	Alarm High Temp Buzz Interval-H	Alarm High Temp Buzz Duty							Alarm Temp Buzz Freq ^[4] , Alarm Temp Buzz Interval ^[5] , Alarm Temp Buzz Duty ^[6]		
Buzz	0x50 R/W	Buzz-Freq-L	Buzz-Freq- H	Buzz Duty	Buzz Control													Buzz Freq ^[7] , Buzz Duty ^[8] Buzz Control: 0, disable; 1, enable		
RGB LED	0x60 R/W	LED-R	LED-G	LED-B														LED R/G/B: 0~255		
Button	0x70 R	Button Status																Button Status: 0 or 1		
Save Config	0x80 W	Save Config																Save Config: write 1 to save config		
Chip Temperature	0x90 R	Chip Temperature -L	Chip Temperature -H															Chip Temperature: unit Celsius (actual temp value) * 100 ^[9]		
Firmware Version	0xF0 R															Version			Version: firmware version number	
I2C Address	0xF0 R/W																Address			Address: 1~127

[1] For example, the actual temperature is 27.55 degrees Celsius, and the obtained data is 27.55*100=2755, Temperature-L = 0xC3, Temperature-H = 0x0A

[2] For example, the emissivity needs to be set to 0.95, and the value to be set is 65535*0.95=62258, Emissivity-L = 0x32, Emissivity-H = 0xF3.(Note: Everytime you set the emissivity, must restart the mlx90614)

[3] For example, to set the high temperature alarm temperature to 37.00 degrees Celsius, the value to be set is 37.00*100=3700, Alarm Low Temp-L = 0x74, Alarm Low Temp-H= 0x0E

[4] Alarm Temp Buzz Freq: The unit is Hz. For example, when setting the high temperature alarm, the Buzz frequency is 4000Hz, Alarm Low Temp Buzz Freq-L = 0xA0, Alarm Low Temp Buzz Freq-H = 0x0F

[5] Alarm Temp Buzz Interval: The unit is ms. For example, set the Buzz interval to 100ms, Alarm Low Temp Buzz Freq-L = 0x64, Alarm Low Temp Buzz Freq-H = 0

[6] Alarm Temp Buzz duty. For example, set the Buzz duty to 50%, Alarm Low Temp Buzz Duty = 255 * 0.5 = 127

[7] Buzz Freq: The unit is Hz. For example, set the buzz frequency to 4000Hz, Buzz-Freq-L = 0xA0, Buzz-Freq-H = 0x0F

[8] Alarm Temp Buzz duty. For example, set Buzz duty to 50%, Buzz Duty = 255 * 0.5 = 127

[9] For example, the actual temperature is 27.55 degrees Celsius, and the obtained data is 27.55*100=2755, Chip Temperature-L = 0xC3, Chip Temperature-H = 0x0A