



IMRT

Industrial mechanical thermostat

The IMRT industrial room thermostats are ideal for applications in demanding (humid) environments. They are single-pole mechanical thermostats suitable for switching fans, electrical heating systems or other Sentera controllers in industrial and agricultural climatology (warehouses, greenhouses, stables etc.). These units have a gas-filled bulb and an optimised external spiral which guarantee an accurate and reliable temperature detection.

Key features

- Optimal temperature range
- Gas-filled bulb sensor type
- Stainless bulb
- Long-term stability and accuracy

Technical specifications

Temperature range	0–40 °C (alternative ranges on request)	
Setpoint setting	by scale etched knob	
Hysteresis	± 4 °C	
Temperature gradient	1 °K/15 min	
Tolerance	± 2 °C	
Protection standard	IP54 (according to EN 60529)	
Contact rating	Resistive	250 VAC / 16 A 400 VAC / 10 A
	Inductive	250 VAC / 5 A 400 VAC / 1 A
Operating temperature	Bulb	maximum 44 °C
	Environment	80 °C
Operating humidity	< 95 % rH (non-condensing)	

Area of use

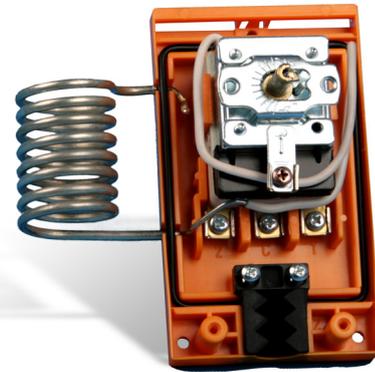
- Temperature control in demanding (humid) environment
- Industrial premises (warehouses, workshops etc.)
- Agricultural climatology (greenhouses, stables etc.)

Wiring and connections

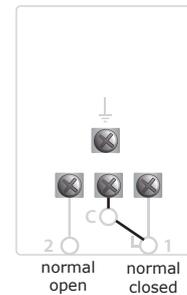
1	Normally closed contact
2	Normally open contact
C	Common contact

Standards

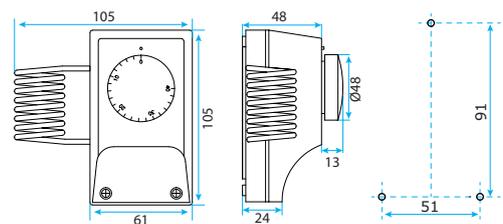
- WEEE Directive 2012/19/EU
- RoHS Directive 2011/65/EU



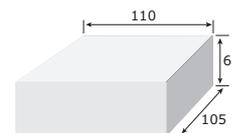
Wiring diagram



Fixing and dimensions



Packaging



Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
IMRT	Unit (1 pc.)	105	62	110	0,22 kg	0,25 kg