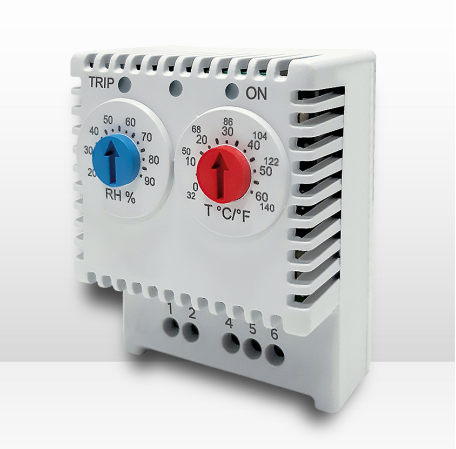
Thermal Controller

IP-ETH1

ELECTRONIC THERMO-HYGROSTAT

230V | 50/60Hz

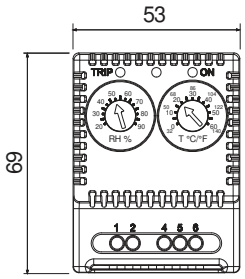
Electronic Hygrothermostat for DIN 35mm rail mounting. Typically used to control enclosure heaters. The change over contact triggers either for high humidity or low temperature, independently set adjustable with LED display of power on and status.

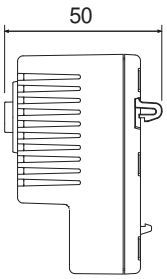


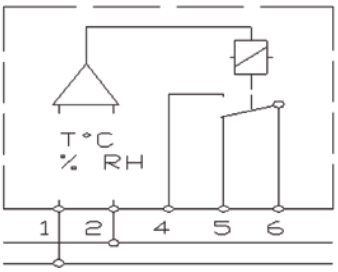
IP Enclosures provide a range of thermal control products for electrical enclosures. The range of controllers are suitable for use with IP Enclosures range of heating and cooling products. The range includes thermostats, hygrostats, electronic thermostat temperature controllers and fan speed controllers. IP Enclosures thermal control products are manufactured to the highest quality in Italy.

Standards (& Conformities): 2014/35/EU: IEC 60598-1, IEC 60730-1, IEC 60730-2-9
2014/30/EU: IEC 55014, IEC 61000-3-3, IEC 61000-3-2, RoHS CE

Features	Unit	IP-ETH1
Power supply	V | Hz	230V | 50/60Hz
Temperature Setting Range	°C	0 / +60°C
Relative Humidity Setting Range	Rh%	20-90
Precision	-	±1
Temperature Hysteresis	°C	2
Relative Humidity Hysteresis	%	5
Reaction Time	sec	60
Max. Switching Current		
NO at 250V AC Resistive Load	A	10
NO at 30V DC Resistive Load	A	8
NO at 240V AC Motor Load	Hp	1/2
NO at 120V AC Motor Load	Hp	1/4
NC at 250V AC Resistive Load	A	10
NC at 30V DC Resistive Load	A	8
Contact Type	-	Change over
Contact Resistance	-	< 10
Service Life	Cycles	> 100 000
Electrical Connection	-	5-Pole terminal for 2.5mm² wire
Optical Signal	-	LED
Casing	-	PA6, UL94V-0 Self-extinguishing; light grey RAL7035
Protection Degree EN60529	-	IP20
Operating / Storage Temperature	°C (°F)	-40 / +80 (-40 / +176)
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022
Installation Position	-	Vertical position
Dimensions HxWxD	mm	69H x 53W x 50D
Weight (With Packaging)	Kg	0.11 (0.12)
Conformity / Certification	-	CE-UL cULus







© IP Enclosures 2025

Thermal Controller

IP-ETH1

ELECTRONIC THERMO-HYGROSTAT

230V | 50/60Hz

STANDARDS, CONFORMITIES & CERTIFICATES:

Low Voltage Directive 2014/35/EU Compliance: IEC 60598-1, IEC 60730-1, IEC 60730-2-9
Electromagnetic Compatibility Directive 2014/30/EU Compliance: IEC 55014, IEC 61000-3-3, IEC 61000-3-2
CE Certificate of Compliance: Certificate SZT-24 MA 33485-1

Products are manufactured to Quality, Safety and Environmental Standards.

© IP Enclosures 2025