

Thermal Control - Controllers

Thermostats, Hygrostat & Fan Speed Controller

IP Enclosures thermal control products are manufactured to the highest quality in Italy and are suitable for use with IP Enclosures range of heating and cooling products.

Single Thermostats | NC/NO

Feature	Unit	IP-THNC1	IP-THNC2	IP-THNC3	IP-THNO1	IP-THNO2	IP-THNO3
Contact function	-	NC	NC	NC	NO	NO	NO
Temperature setting range	°C	-10/+50	0/+60	+20/+80	-10/+50	0/+60	+20/+80
Precision	°C	±4					
Hysteresis	°C	7					
Max switching current	-						
250Vac resistive load (inductive load)	A	10 (1.6)					
125Vac resistive load (inductive load)	A	15 (2.5)					
Max. switching power in Vdc	W	30					
Temperature sensor type	-	Thermostatic bimetal					
Contact type	-	Snap action					
Contact resistance	mOhm	< 10					
Service life	cycles	> 100 000					
Electrical connections	-	2-pole terminal for 2.5 mm² wire					
Casing	-	PA6, UL94 V0 self-extinguishing, light grey RAL 7035					
Protection degree EN60529	-	IP20					
Operating temperature	°C (°F)	-25/+80 (-13/+176)					
Storage temperature	°C (°F)	-45/+80 (-49/+176)					
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022					
Installation position	-	Variable					
Conformity/Certifications	-	CE-UL ^{us}					
Dimensions HxWxD	mm	61x34x35					



Double Thermostats | NC/NO

Feature	Unit	IP-THNC1	IP-THNC3	IP-THNO2
Contact function	-	NC	NC	NO
Temperature setting range	°C	-10/+50	+20/+80	0/+60
Precision	°C	±4		
Hysteresis	°C	7		
Max switching current	-			
250Vac resistive load (inductive load)	A	10 (1.6)		
125Vac resistive load (inductive load)	A	15 (2.5)		
Max. switching power in Vdc	W	30		
Temperature sensor type	-	Thermostatic bimetal		
Contact type	-	Snap action		
Contact resistance	mOhm	< 10		
Service life	cycles	> 100 000		
Electrical connections	-	2-pole terminal for 2.5 mm² wire		
Casing	-	PA6, UL94 V0 self-extinguishing, light grey RAL 7035		
Protection degree EN60529	-	IP20		
Operating temperature	°C (°F)	-25/+80 (-13/+176)		
Storage temperature	°C (°F)	-45/+80 (-49/+176)		
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022		
Installation position	-	Variable		
Conformity/Certifications	-	CE-UL ^{us} File n. E348803		
Dimensions HxWxD	mm	61x53x35		



Mechanical Hygrostat

Feature	Unit	IP-MH1
Relative Humidity setting range	RH%	20-90
Relative Humidity Hysteresis	RH%	5 (max 10)
Precision	RH%	±4
Operating temperature	°C (°F)	-10/+50 (+14/+122)



Fan Speed Controller (Image not shown)

Feature	Unit	IP-FSC1
Power supply	V/Hz	100-230/50-60
Temperature setting range	°C	+20/+60
Fan speed setting range	%	0-100
Speed controller	-	partialization of wave
Input	-	NTC sensor
Max. output fan	-	300 W (100-230/50-60Hz)
Electrical connection	-	terminal for 2.5 mm² wire
Optical signal	-	LED
Casing	-	PA6, UL94 V0 self-extinguishing, light grey RAL 7035
Protection degree EN60529	-	IP20