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THERMOSTATS AND THERMO-HYGROSTATS











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THERMOSTATS AND THERMO-HYGROSTATS



Example thermostat NO



Example thermostat NC





Examples thermostat duals



Example hygrostat



Example thermo-hygrostat

Compact Design and High Capacity

We have all the solutions for thermostats and hygrostats for racks and enclosures of small size, dual function, heat, cold,...
All of them easy to install; also reliable, economical and accurate. Adaptable to any ventilation unit or heat resistance of our catalogue to climate control cooling.

HAZ CLICK AQUÍ Y AMPLIA INFORMACIÓN

APPLICATIONS

Specially designed for installation in our racks and enclosures.

FEATURES

- Various contact options NO or NC, dual, higostratos or thermo-hygrostat.
- Maximum reliability and efficiency.
- Mounting on DIN rail 35 mm.
- Ecofriendly product.
- Colour RAL 7035.

NORMATIVE

- IP20 Norm IEC 60529.
- Built under directive 2006/95/CE low voltage.
- UL approved. File Nº E348803.
- Mounting on DIN rail 35 mm EN 50022.

THERMOSTATS AND THERMO-HYGROSTATS

THERMOSTATS (MVKT001140 / MVKT001141)

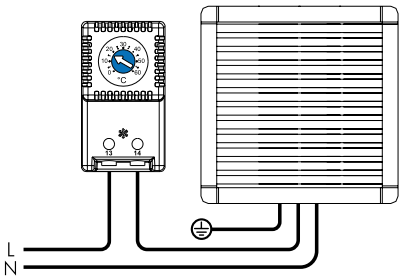


Example thermostat NO
MVKT001140

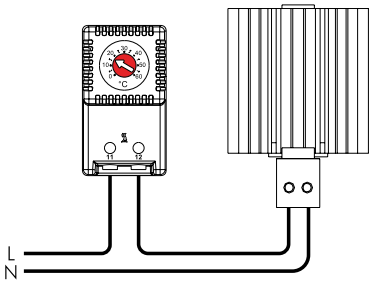


Example thermostat NC
MVKT001141

Compact thermostat for DIN 35 mm. rail mounting.
Based on bimetallic junction, provides high capacity NO or NC contact.

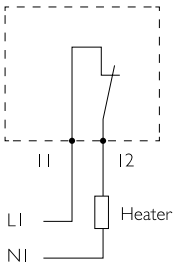


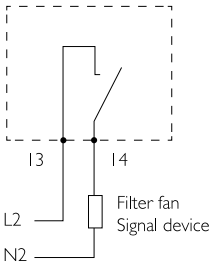
Contact NO (blue): Typically used for controlling ventilation devices

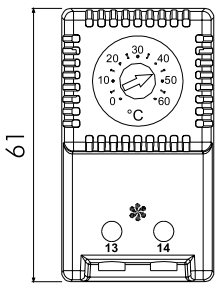


Contact NC (red): Typically used for controlling heaters

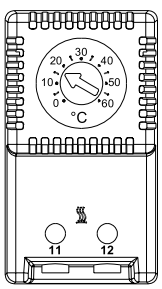
REFERENCES THERMOSTATS		
REFERENCE	MVKTMM1140	MVKTMM1141
CONTACT FUNCTION	NO	NC
TEMPERATURE SETTING RANGE	0 / +60 °C	
HYSTERESIS	7 °C (tolerance + / -4)	
MAX. SWITCHING CURRENT:		
250Vac RESISTIVE LOAD	10 A (1,6)	
125Vac RESISTIVE LOAD	15 A (2,5)	
MAX. SWITCHING CURRENT IN Vdc	30 W	
TEMPERATURE SENSOR TYPE	Thermostatic bimetal	
CONTACT TYPE	Snap action	
ELECTRICAL CONNECTIONS	2-pole terminal for 2,5 mm² wire	
OPERATING TEMPERATURE	-25 / +80 °C	
STORAGE TEMPERATURE	-45 / +80°C	
INSTALLATION POSITION	Variable	
DIMENSIONS (height x width x depth)	61 x 34 x 35 mm	



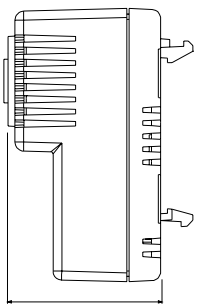


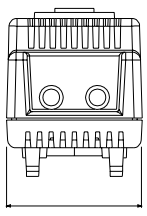


MVKT001140



MVKT001141





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THERMOSTATS AND THERMO-HYGROSTATS

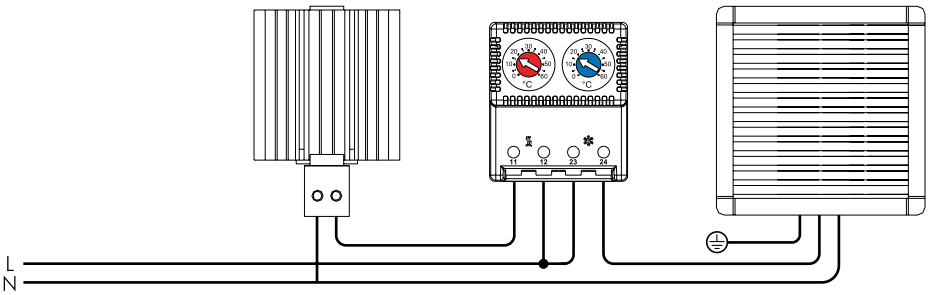
THERMOSTAT DUAL (MVKT001142)



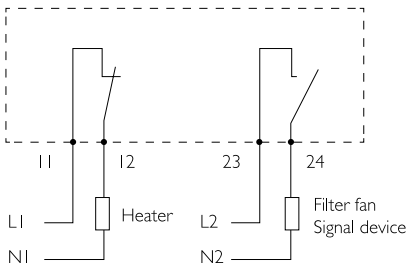
Example thermostat dual

Compact double thermostat for DIN 35 mm. rail mounting.

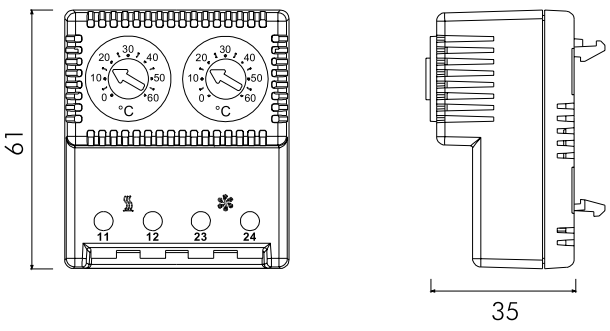
Based on bimetallic junction, provide high capacity and separated NO and NC contacts in different combinations.



Contact NC (red): Typically used for controlling heaters
Contact NO (blue): Typically used for controlling ventilation devices



REFERENCE THERMOSTAT DUAL	
REFERENCE	MVKTMM1142
CONTACT FUNCTION	NC / NO
TEMPERATURE SETTING RANGE	0 / +60°C
HYSTERESIS	7°C (tolerance + / -4)
MAX. SWITCHING CURRENT:	
250Vac RESISTIVE LOAD	10A (1,6)
125Vac RESISTIVE LOAD	15A (2,5)
MAX. SWITCHING CURRENT IN Vdc	30W
TEMPERATURE SENSOR TYPE	Thermostatic bimetal
CONTACT TYPE	Snap action
ELECTRICAL CONNECTIONS	2-pole terminal for 2,5 mm² wire
OPERATING TEMPERATURE	-25 / +80 °C
STORAGE TEMPERATURE	-45 / +80 °C
INSTALLATION POSITION	Variable
DIMENSIONS (height x width x depth)	86 x 36 x 62,5 mm



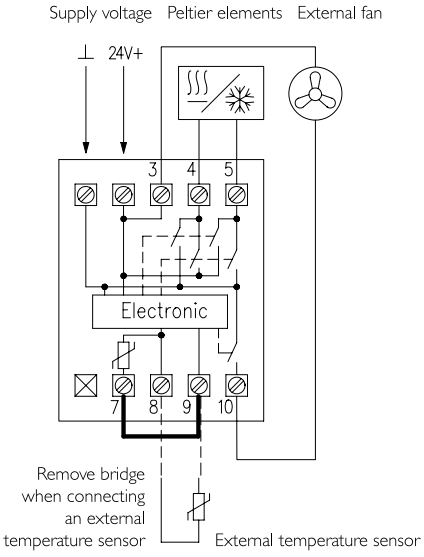
THERMOSTATS AND THERMO-HYGROSTATS

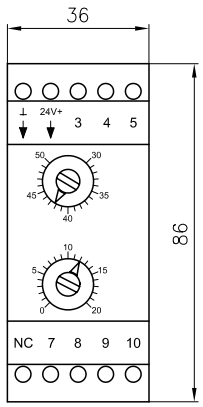
THERMOSTAT DUAL (MVKT205)

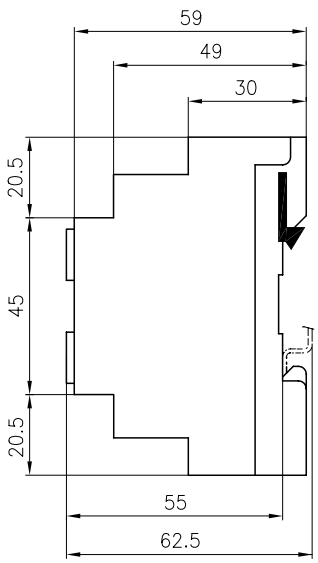


Example thermostat dual

The dual thermostat (MVKT205) has two control ranges for heating and cooling functions. In the lower adjustment range, the switching point for heating is selected, while in the upper adjustment range, the switching point for cooling is selected.







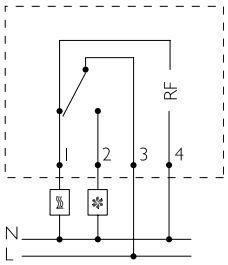
REFERENCE THERMOSTAT DUAL	
REFERENCE	MVKT205
TENSIÓN DE ALIMENTACIÓN	24Vdc
TEMPERATURE SETTING RANGE:	
HEAT	0 / 20°C
COLD	30 / 50°C
HYSTERESIS	ca. 1K
MAX. SWITCHING CURRENT:	
OUTPUT PELTIER	16 A relay output
OUTPUT FAN	5 A relay output
INPUT	<1,5 W
SENSOR	Internal NTC (external as option)
PERMISSIBLE HUMIDITY	max. 95% rh, without condensation
DEGREE OF PROTECTION EN 60529	IP20
OPERATING TEMPERATURE	-10 / +50 °C
STORAGE TEMPERATURE	-20 / +70 °C
ELECTRICAL CONNECTIONS	Screw terminals 0,5 / ,2,5 mm²
MOUNTING	DIN 35 mm rail mounting
DIMENSIONS (height x width x depth)	34 x 86 x 62,5 mm

THERMOSTATS AND THERMO-HYGROSTATS

HIGROSTAT (MVKH35)

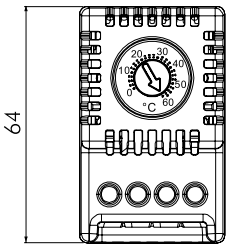


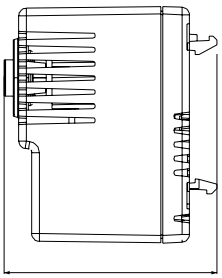
Example higrostat

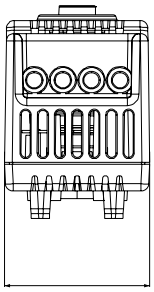


Compact higrostat for mounting on a 35 mm DIN rail. Based on bimetallic union.

REFERENCE HIGROSTATO	
REFERENCE	MVKH35
CONTACT TYPE	Change over contact
TEMPERATURE SETTING RANGE	0 / + 60 °C
PRECISION	±3 °C
HYSTERESIS	1 °C
MAX. SWITCHING CURRENT:	
NC 100-250Vac	10 A
NO 100-250Vac	5 A
MAX. SWITCHING POWER IN Vdc	30 W
TEMPERATURE SENSOR TYPE	Thermostatic bimetal
ELECTRICAL CONNECTIONS	4-pole terminal for 2,5 mm² wire
DEGREE OF PROTECTION EN 60529	IP20
OPERATING TEMPERATURE	-40 / +80 °C
STORAGE TEMPERATURE	-45 / +80 °C
INSTALLATION POSITION	Variable
DIMENSIONS (height x width x depth)	64 x 37 x 45 mm









THERMOSTATS AND THERMO-HYGROSTATS

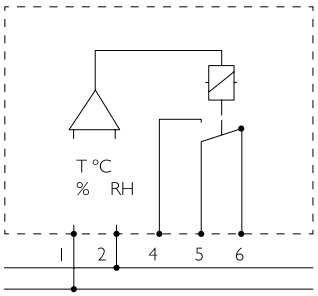
THERMO-HYGROSTAT (MVKT001143)

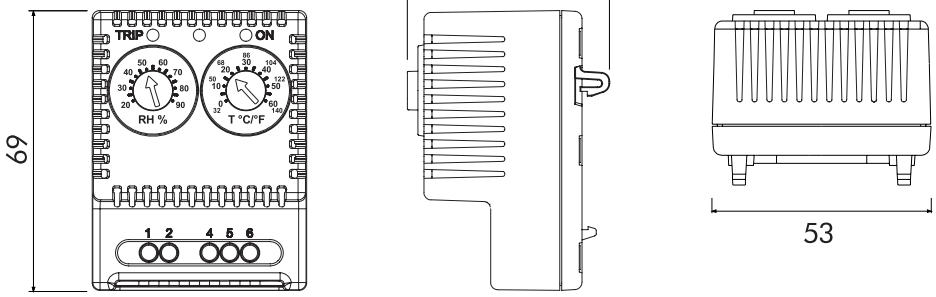


Example thermo-hygrostat

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

REFERENCES THERMO-HYGROSTAT		
REFERENCE	MVKTMM1143B	MVKTMM1143A
POWER SUPPLY	115V / 50-60Hz	230V / 50-60Hz
TEMPERATURE SETTING RANGE	0 / +60 °C	
REGULATION OF RELATIVE HUMIDITY	20 - 90 RH%	
HYSTERESIS OF RELATIVE HUMIDITY	5 %	
REACTION TIME	60 seg	
MAX. SWITCHING CURRENT:		
NO 250Vac RESISTIVE LOAD	10A	
NO A 30Vdc RESISTIVE LOAD	8A	
NO A 240Vac MOTOR LOAD	1 / 2 Hp	
NO A 120Vac MOTOR LOAD	1 / 4 Hp	
NC 250Vac RESISTIVE LOAD	10A	
NC A 30Vdc RESISTIVE LOAD	8A	
OPTICAL SIGNAL	LED	
CONTACT RESISTANCE	< 10	
CONTACT TYPE	Change over	
ELECTRICAL CONNECTIONS	5-pole terminal for 2,5 mm² wire	
DEGREE OF PROTECTION EN 60529	IP20	
OPERATING / STORAGE TEMPERATURE	-40 / +80 °C	
INSTALLATION POSITION	Vertical	
DIMENSIONS (height x width x depth)	69 x 53 x 50 mm	







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The customized manufacture of all electrical enclosures and cabinets Delvallebox is carry out with the most advanced technical methods and with the precision and consciousness of a craftsman. This makes the difference from competitors and is the best way to gain our customers´ trust.
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