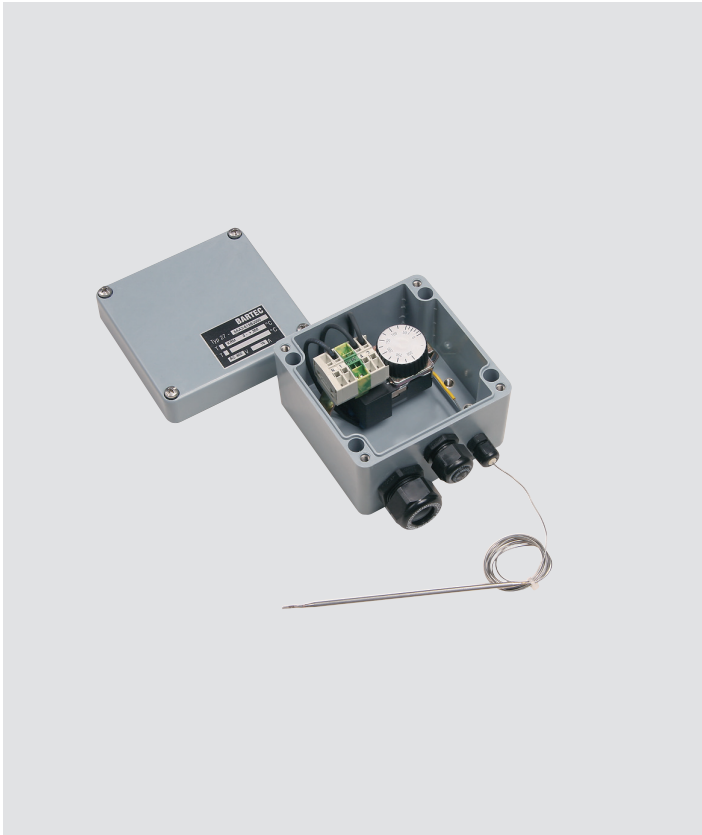
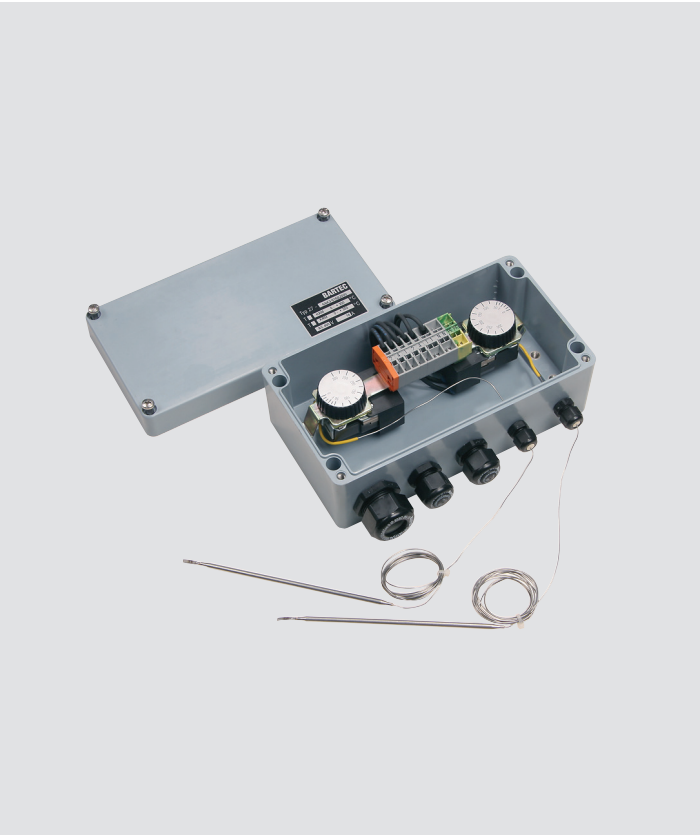


# KRM Capillary tube thermostat, 16 A



- 16 A switching capacity
- Compact enclosure
- Double units are standard

The weather-proof capillary tube thermostat, KRM, is a mechanical change-over controller housed in a polyester enclosure. Heaters, fans, motors and other equipment are energised and de-energised when temperatures fall below or rise above certain limits. It can also be used to control the temperature in air, liquids and on various surfaces.

### Function

Any change in temperature at the sensor causes a change in the volume of fluid in the measuring system, which in turn results in a movement of the diaphragm membrane. This membrane is connected to a mechanical device that activates a microswitch. If the temperature at the sensor bulb exceeds the pre-set value, terminals 1 and 2 are opened. If the temperature falls below the minimum setting, the contacts automatically close.

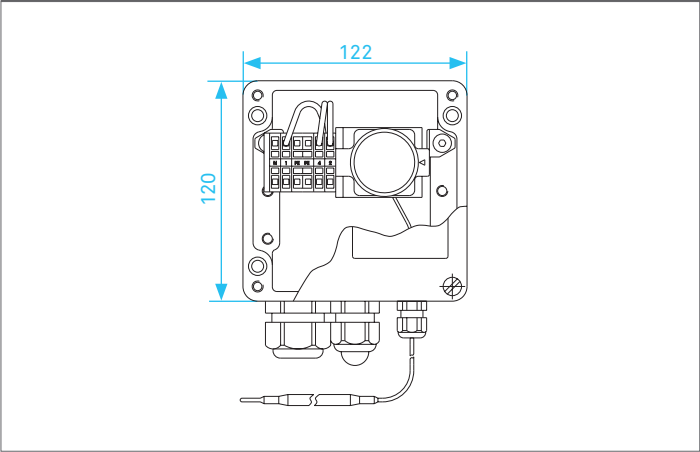
### Application example

The KRM thermostat can directly switch temperature-dependent equipment loads (heaters etc.) of up to 16 A. Higher switching currents of 3-phase applications are switched by means of a contactor.

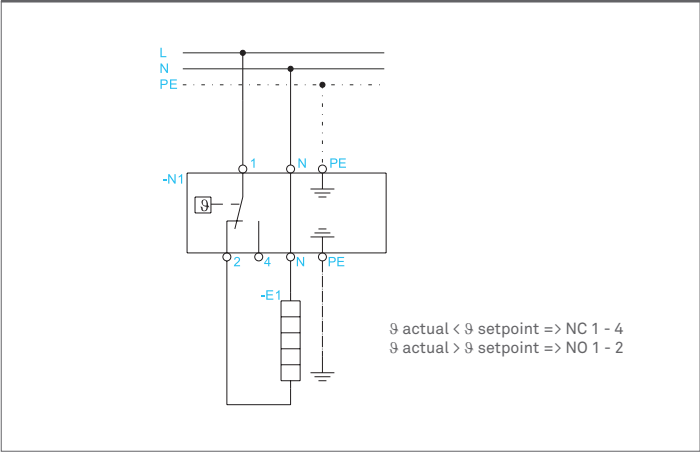
### Technical data

Temperature setting range	0 °C to +100 °C	0 °C to +300 °C
Rated voltage	AC 400 V/50 Hz	AC 400 V/50 Hz
Switching capacity	AC 230 V/16 A AC 400 V/10 A	AC 230 V/16 A AC 400 V/10 A
Supply cable, cross section	2.5 mm²	2.5 mm²
Protective earth terminal	4 x 2.5 mm²	4 x 2.5 mm²
Switching differential	approx. 3 K	approx. 8 K
Protection class according to EN 60529	IP 65	IP 65
Capillary tube length	1600 mm	1600 mm
Min. bend radius	20 mm	20 mm
Max. sensor temperature	+115 °C	+345 °C
Min. sensor temperature	-40 °C	-15 °C
Sensor diameter	6 mm	4 mm
Sensor length	140 mm	165 mm
Sensor material	SS	SS
Cable glands	1 x M25, clamping range 9 to 16 mm 1 x M20, clamping range 6 to 12 mm	
Cable glands KRM, single	1 x M25, 1 x M20	1 x M25, 1 x M20
KRM combination	1 x M25, 2 x M20 (2 x M20 blanking plug included)	1 x M25, 2 x M20 (2 x M20 blanking plug included)

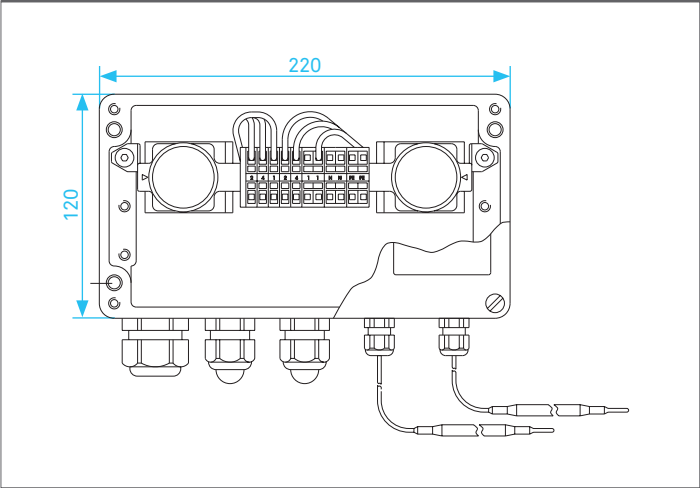
Dimensions (mm)  
KRM, single



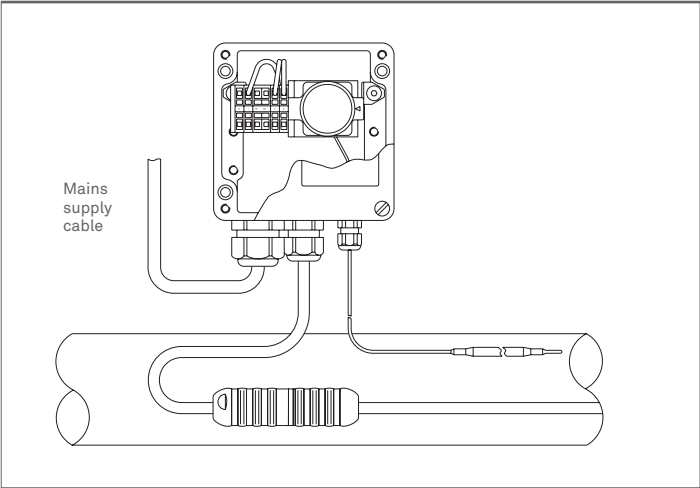
Circuit diagram



Dimensions (mm)  
KRM, double



Typical installation



Ordering information

	Dimensions (mm)	Temperature setting range	Order no.
1 thermostat in polyester enclosure GRP	122 x 120 x 90	0 °C to +100 °C	27-6AA3-61522000
1 thermostat in polyester enclosure GRP	122 x 120 x 90	0 °C to +300 °C	27-6AA3-615B2000
2 thermostats in polyester enclosure GRP	220 x 120 x 90	2 x 0 °C to +100 °C	27-6AK3-61622000
2 thermostats in polyester enclosure GRP	220 x 120 x 90	2 x 0 °C to +300 °C	27-6AK3-616B2000
2 thermostats in polyester enclosure GRP	220 x 120 x 90	1 x 0 °C to +100 °C 1 x 0 °C to +300 °C	27-6AK3-61602P2B