KaControl MC Contact temperature sensor

STC-MT

196003321981

Datasheet

Subject to technical alteration
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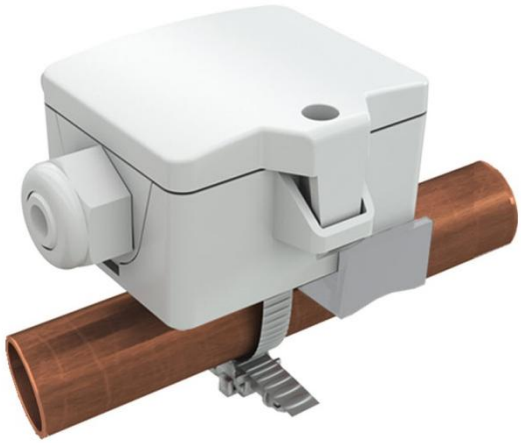


» APPLICATION

Sensor with hinged lid enclosure for temperature measurement of pipes and round surfaces. Spring loaded brass contact sensor.

» SECURITY ADVICE – CAUTION

The installation and assembly of electrical equipment should only be performed by authorized personnel.

The product should only be used for the intended application. Unauthorised modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

Please comply with

- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

» PRODUCT TESTING AND CERTIFICATION

Declaration of conformity
The declaration of conformity of the products can be found on our website
https://www.kampmanngroup.com

» NOTES ON DISPOSAL

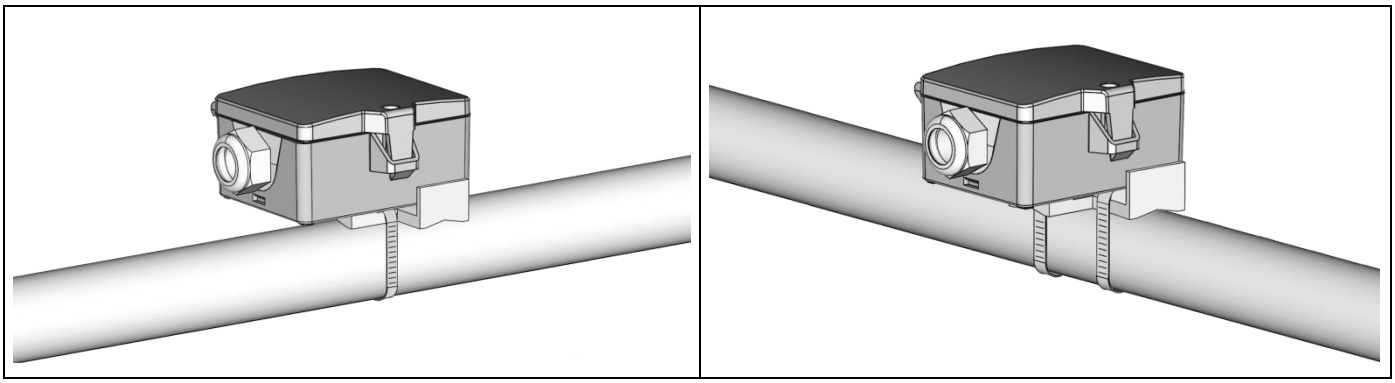
The crossed-out wheelie bin symbol indicates that the product or removable batteries must not be disposed of with household or commercial waste. Within the EU, you are legally obliged to dispose of the product separately and appropriately in accordance with the national laws of your country. Further information can be found at: www.kampmanngroup.com

» GENERAL REMARKS CONCERNING SENSORS

Especially with regard to passive sensors in 2-wire conductor versions, the wire resistance of the supply wire has to be considered. If necessary the wire resistance has to be compensated by the follow-up electronics.

» MOUNTING ADVICES

The device is fixed using the tightening strap. Use contact fluid for better heat transfer between sensor and measuring medium. To avoid permeation of condensate, mount the sensor on top of the tube, if possible. The installation is possible in or across the direction of the pipe.



» ENCLOSURE WITH UV AND WEATHER RESISTANCE

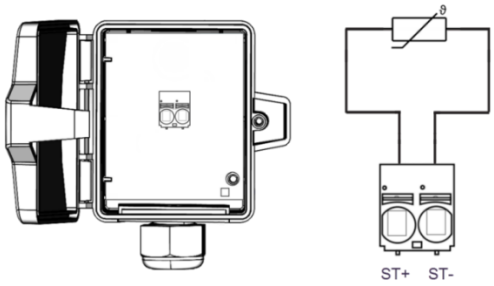
After some time, outdoor mounted plastics can lose their color and quality. Therefore, all housings are made of special white polycarbonate (PC). The light-stable colorants and additives are used to achieve optimum protection of the polymer while maintaining color stability. The titanium dioxide used is specially developed for polycarbonate and offers excellent UV protection through the reflection of the entire light spectrum including the UV component by 340 nm. This effectively counteracts the otherwise occurring photochemical polymer degradation. The colors stay full for a long time without fading. The material is also resistant to cold and frost.

» TECHNICAL DATA

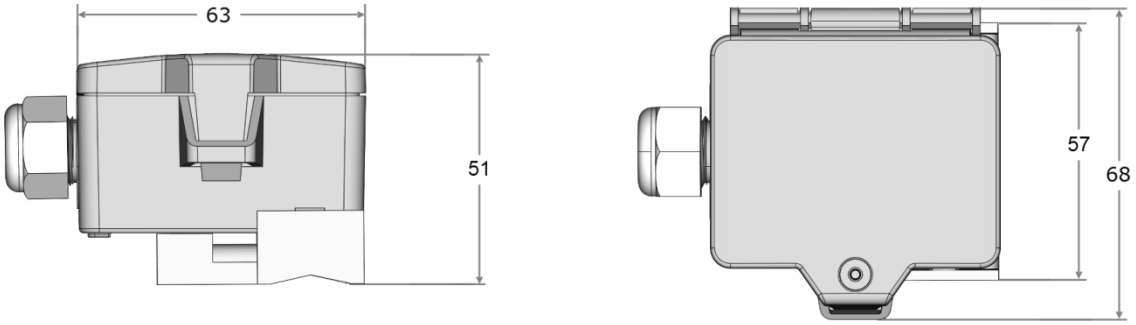
Measuring values	temperature	
Output passive	NTC 10 kΩ at 25 °C Beta 3435	
Measuring range temp.	-35..+90 °C	
Operating temperature range ** Max. permissible operating temperature*	**holder** -35..+120 °C	**Enclosure** -35..+90 °C
Accuracy temperature	±0,3 °C (typ. at 25 C°)	
Enclosure	PC, pure white	
Protection	IP65 according to EN 60529	
Cable entry	Flextherm M20, for wire Ø=4,5..9 mm, removable	
Connection electrical	removable plug-in terminal, max. 2,5 mm^2	
Pocket	brass, spring loaded sensor	
Ambient condition	max. 85% rH short term condensation	
Mounting	can be mounted in line or transversely to the pipe	

**other measuring ranges: ±1% of the measuring range*

» CONNECTION PLAN



» DIMENSIONS (MM)



» ACCESSORIES (INCLUDED)

Mounting kit (Cover screw + screw cover)
Tightening strap PA for pipes Ø up to 100 mm with contact fluid