



- Compact design
- High switching capacity
- Extremely adaptable to the surrounding conditions
- Protection class IP 65/66

This Mini-thermostat is used to monitor the ambient temperature of heating systems as well as for the control of internal temperatures inside protective transmitter boxes or control and switchgear cabinets. In addition, it can be used for the control (signalling) of too low or too high a temperature or as an alarm contact.

Structure

A temperature sensor is encapsulated in an explosion-proof metal tube. The standard version features an external M20 thread. You can choose either a version with a cast rubber cord or one that is directly mounted to an Ex terminal box. A special version is also available with a flange fixing.

Explosion protection

Marking	II 2G Ex db IIC T6 Gb II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80 °C Db
Certification	EPS 14 ATEX 1 696 X
Other approvals and certificates, see www.bartec.de	

Technical data

Ambient temperature	-40 °C to +40 °C
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Version with external thread or flange mounting

Protection class	IP 66/EN 60529
Supply cable	H05VV-F 3G 0.75 (AD 7.2 ± 0.8 mm) standard length 1 m
Enclosure material	nickel plated brass
Max. temperature at the connection	+70 °C

Electrical data

Switching capacity	AC 230 V/6 A
Switch contacts	1 normally closed contact as standard version (opens as the temperature rises) alternative configurations on request

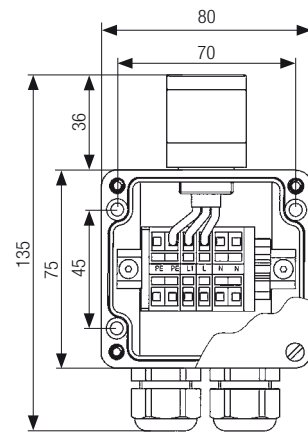
Version with junction box

Supply cable cross section	2.5 mm ²
Material	junction box of polyester, black, glass-fibre reinforced
Protection class	IP 65/EN 60529

Electrical data

Temperature switch tolerances	14 °C ± 5 K 4 °C ± 3 K 25 °C ± 3.5 K 15 °C ± 3.5 K
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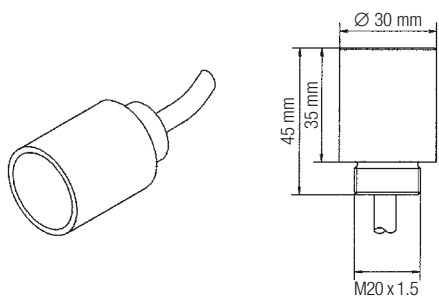
Dimensions



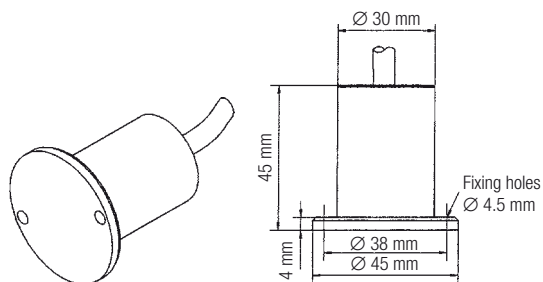
2 x cable entries M20 x 1.5
cable diameter D = 6 to 12 mm

Dimensions

with external thread



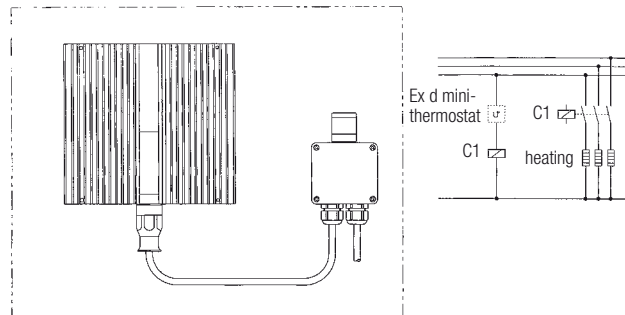
flange mounted



Typical application

Temperature sensor for Ex heating system in a control panel/enclosure

Frost control in an Ex area



Ordering information Simple device

Version	Switch-off temperature	Switch-on temperature	Code no.
with external thread M20	14 °C	4 °C	07-6111-9425
	25 °C	15 °C	07-6111-9426
with EEx e terminal box	14 °C	4 °C	07-6111-9427
	25 °C	15 °C	07-6111-9428
with flange mounting (special version)	14 °C	4 °C	07-6111-9413
	25 °C	15 °C	07-6111-9414

Technical data subject to change without notice.