Surface mounting thermostats with housing GAT

- ▪ **Mechanical temperature controller**
- ▪ **Ideal for underfloor heating systems**
- ▪ **Temperature limitation at pipes**
- ▪ **Easy installation with strap**

Application

Surface mounting thermostat for strap mounting at pipes from 16 to 100 mm diameter. The version with internal adjustment and temperature control range up to 60 °C is specially suited for underfloor heating systems.

Description

The surface mounting thermostat us a bimetal strip (element consisting of two metal strips with different heat expansion coefficients). When the temperature changes, the bimetal strip bends which triggers electrical switching.

Technical specifications

Type
GAT

Operating range
20/60 °C and 20/90 °C

Tolerance
+2 K / -8 K

Switching differential
ΔT 8 ± 3 K

Adjustment
GAT/7RC: Externally adjustable
GAT/7HC: Internally adjustable

Probe element
Bimetal

Operating temperature range
Housing: Max. 85 °C

Housing
Upper part: Plastic (PVC), grey (RAL 7035)
Base plate: Galvanised sheet steel

Cable entry
Plastic (PVC), grey (RAL 7040)
M 20 x 1.5

Degree of protection housing
IP 20 (EN 60529)

Response time
1 K/minute

Electrical switching contact
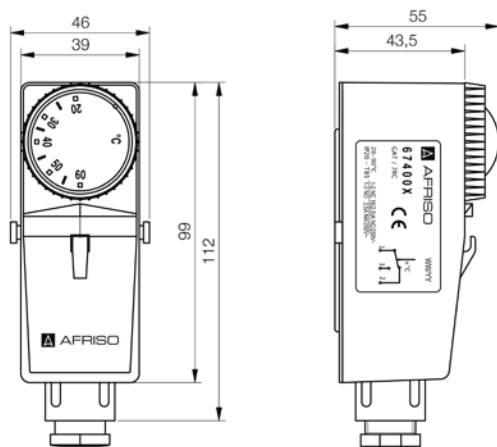Changeover contact

Contact rating
NC 16 (2.5) A 250 V AC
NO 2.5 A 250 V AC

Options

- ▪ Safety surface mounting thermostat with housing and with manual reset type GSA/TCS (liquid filled)
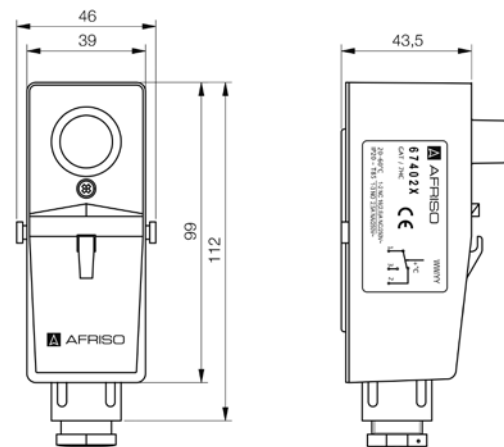
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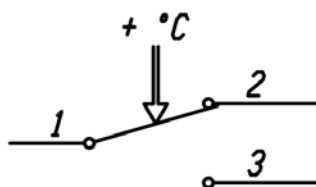△ AFRISO

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Housing types and dimensions (mm)
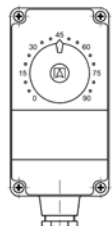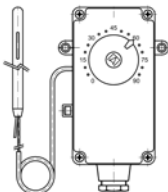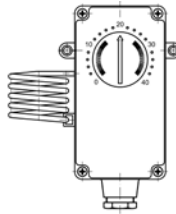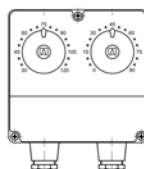
GAT/7RC, external adjustment
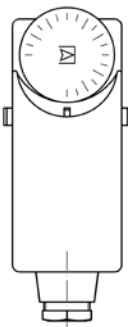
GAT/7HC, internal adjustment

Switching scheme

Thermostats with housing

DG: G, PG: 4	Adjustment	Operating range/ switching point	Capillary length	Stem length	Type	Part no.	Price €
Surface mounting thermostats with housing							
	External	20/60 °C	---	---	GAT/7RC	**67400X**	
	External	20/90 °C	---	---	GAT/7RC	**67401X**	
	Internal	20/60 °C	---	---	GAT/7HC	**67402X**	
	Internal	20/90 °C	---	---	GAT/7HC	**67403X**	
	Internal	30/70 °C	---	---	GSA/9SC	67404X	
Immersion thermostats with housing							
	External	0/90 °C	---	100 mm	GTT/7RG	**67407X**	
	External	0/90 °C	---	150 mm	GTT/7RG	**67408AX**	
	External	0/90 °C	---	200 mm	GTT/7RG	**67408BX**	
	Internal	0/90 °C	---	100 mm	GTT/7HG	**67413X**	
	Internal	0/90 °C	---	150 mm	GTT/7HG	**67414AX**	
	Internal	0/90 °C	---	200 mm	GTT/7HG	**67414BX**	
	Fixed	100 °C	---	100 mm	GST/9SG	**67417X**	
Capillary type thermostats with housing/room thermostats with housing							
	External	0/90 °C	1,000 mm	---	GTK/7RD	**67421X**	
	External	0/90 °C	2,000 mm	---	GTK/7RD	**67424X**	
	Internal	70/110 °C	1,500 mm	---	GSK/9SF	**67418**	
	External	0/40 °C	---	---	GRT/7RT	**67464X**	
	External	0/55 °C	---	---	GRT/7RT	**67465X**	
	Internal	0/40 °C	---	---	GRT/7HT	**67466X**	
	Internal	0/55 °C	---	---	GRT/7HT	**67467X**	
Twin thermostats with housing							
	Internal/ external	0/90 °C – 30/120 °C	---	100 mm	GDT/8HR	**67447X**	
	Fixed/external	0/90 °C (100 °C)	---	100 mm	GDT/8RS	**67453X**	
	Fixed/external	0/90 °C (100 °C)	---	150 mm	GDT/8RS	**67454AX**	
	Fixed/external	0/90 °C (100 °C)	---	200 mm	GDT/8RS	**67454BX**	

* Minimum order quantity for non-stock items = 100 pieces.

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