

# Temperature Controllers



DBAT

## DESCRIPTION

Strap-on thermostats.

## APPLICATION

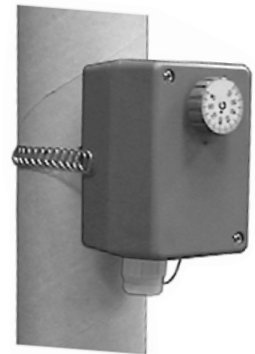
Control and monitor pipe or surface temperature of heating, ventilation, air conditioning and refrigeration systems.

## FEATURES

- Easy to install
- Auto & manual reset
- Adj. switching differential
- Scaled setpoint knob

## SPECIFICATIONS

<b>Type of operation</b>	On/Off, single-stage, micro switch
<b>Output</b>	1 SPDT, 24 to 250 VAC, 15 (8) A
<b>Setpoint adjustment</b>	External dial knob
<b>Sensing element</b>	Liquid-filled copper contact pad
<b>Wire</b>	Terminal with wire retaining screws
- Connection	Maximum 14 AWG (2.5 mm <sup>2</sup> )
- Size	M20 fitting, replaceable by 1/2" conduit connection
<b>Cable entry</b>	M20 fitting, replaceable by 1/2" conduit connection
<b>Housing</b>	Byblend base, ABS cover, fire retardant
- Material	Gray/dark gray
- Color	NEMA 4 (IP 65)
- Protection	4.3 x 2.8 x 2.8 in. (108 x 70 x 72 mm)
- Dimensions	
<b>Installation</b>	Pipe strap-on
<b>Ship weight</b>	1.1 lb (0.5 kg)

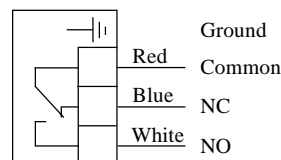


certified ISO 9001

Adj. Setpoint Range °F (°C)	Adj. Switch. Diff. °F (°K)	Maximum Ambient Temperature		Part** Number
		Pad °F (°C)	Housing & Storage °F (°C)	
-22 to 86 (-30 to 30)	3.6 to 36 (2 to 20)	140 (60)	-4 to 149 (-20 to 65)	DBAT-1-US
32 to 140 (0 to 60) 68 to 194 (20 to 90)	Max.* manual reset 3.6 to 36 (2 to 20)	167 (75) 230 (110)	-4 to 149 (-20 to 65) -4 to 149 (-20 to 65)	DBAT-4-US DBAT-5-US
* Max. manual reset = Manual reset to the range when temperature rises. ** Add-on number "US" (i.e., DBAT-1-US) provides °F scale. Standard part number (i.e., DBAT-1) provides °C scale. Add-on number "U" (i.e., DBAT-1U-US) provides setpoint knob below cover.				

## WIRING DIAGRAM

DBAT



Rising temperature and attained setpoint, contact connection: Red to White