

CAPILLARY THERMOSTAT FOR COOLING/HEATING

DBCT-xx

- AN IDEAL SOLUTION FOR VARIOUS HVAC APPLICATIONS
- STURDY AND DURABLE HOUSING
- COMES IN HEATING AND COOLING OPTIONS



Specifications

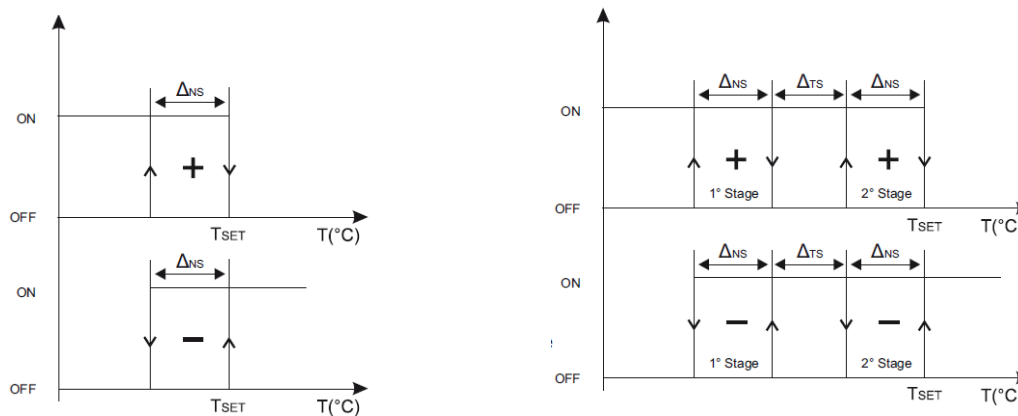
Sensing element	Liquid filled coiled copper bulb
Dim bulb:	Dia. 9.5 mm, (8 mm for +50...150 C)
Capillary length	1.5 m
Output	Relay SPDT 15 (8) A; 24-250 Vac
Contacts	1-4 dust-tight microswitches with switching contacts
Housing	Bayblend (base) / ABS (cover)
Housing temperature	Up to 120 C
Housing dimensions	108 x 70 x 72 mm
Weight	340 g

Wiring diagram

Heating: Connect the red and blue terminals. Contact opens when the temperature rises.

Cooling: Connect the red and blue terminals. Contact opens when the temperature drops.

Logic activation for single/two-stage models:



Order Code

Order code	Range (°C)	Stages	Differential in a stage (K)	Differential between stages (K)	Bulb temp. (°C)
DBCT-4	-30...+30	1	2...20		60
DBCT-4U	-30...+30	1	2...20		60
DBCT-4/2	-30...+30	2	1	2...5	60
DBCT-5	-30...+30	1	1		60
DBCT-5U	-30...+30	1	1		60
DBCT-6	-30...+30	1	FT		60
DBCT-7	0...+60	1	2...20		75
DBCT-7/2	0...+60	2	1	2...5	75
DBCT-8	0...+60	1	1		75
DBCT-16	+20...+80	1	2...20		100
DBCT-16U	+20...+80	1	2...20		100
DBCT-17	+20...+80	1	1		100
DBCT-18	+20...+80	1	ST		100
DBCT-10	+50...+120	1	2...20		150
DBCT-11	+50...+120	1	1		150

U models with covered adjustment knob

FT manual minimum reset

ST manual maximum reset

The unit can be rest only once the temperature has dropped beneath setpoint minus differential.

