



ANTIFREEZE THERMOSTATS

DBTF

FUNCTION

Frost protection for heat exchangers and electric heater in air conditioning and refrigeration systems.
Temperature monitoring below a certain fixed safety value.
Self protection if capillary is damaged.

APPLICATIONS

Well-suited for cooling and air conditioning systems and general applications in which the temperature must never drop below a safety limit:

- air handling units;
- domestic and industrial areas;
- commercial buildings and sport halls.

TYPE	STAGES	HYSTERESIS IN THE STAGE K	RESET	PROTECTION	CAPILLARY LENGTH m
DBTF-1P	1	1	auto	IP54	6
DBTF-2P	1	1	auto	IP65	6
DBTF-1PR	1	FT	man	IP54	6
DBTF-2PR	1	FT	man	IP65	6
DBTF-3P	1	1	auto	IP54	1.8
DBTF-4P	1	1	auto	IP65	1.8
DBTF-3PR	1	FT	man	IP54	1.8
DBTF-4PR	1	FT	man	IP65	1.8
DBTF-5P	1	1	auto	IP54	3
DBTF-6P	1	1	auto	IP65	3
DBTF-5PR	1	FT	man	IP54	3
DBTF-6PR	1	FT	man	IP65	3

FT manual minimal reset

Accessories:

DBZ-01 pocket, brass 120 mm
DBZ-02 pocket, stainless steel 120 mm
DBZ-05 set of 6 mounting brackets for capillary fixing

TECHNICAL FEATURES

Sensitive element: gas-filled copper element with bulb (1.8 m models with 9,5 mm diameter) or gas-filled copper coil element (3 or 6 m models)
Contacts: dust-tight microswitches with SPDT contacts (heat/cool)
Switch capacity: 15 (8) A, 24...250 Vac
Range: -10...+12 °C and +14...54 °F
Differentials: see schedule
Working: -20...+80 °C
0...95% r.h. (non condensing)
Max bulb temp.: +150 °C
Storage: -30...+90 °C
< 95% r.h.
Housing: cover polycarbonate, ABS base
Protection: IP65 or IP54, class I
Size: 130 x 130 x 70 mm
Weight: 475...574 g

NOTE

The room temperature around the unit body must never drop under the setpoint value.

The capillary is active on full length and for a minimum of 300 mm.



ELECTRICAL WIRING

Heating

Connect red terminal and blue terminal (fig. 1).
The contact opens during the temperature rising.

Cooling

Connect red terminal and white terminal (fig. 1).
The contact opens during the temperature dropping.
The respective free contact closes simultaneously (signal contact).

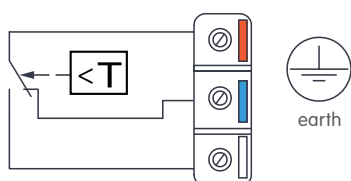


fig. 1

DIMENSIONS (mm)

