



INDUSTRIAL TEMPERATURE TRANSMITTERS, IP65

TT

FUNCTION

Temperature measuring and transmission in voltage, current values:

- 0...10 Vdc, 3 wires;
- 4...20 mA, 2 wires;

APPLICATIONS

Designed for industrial applications with air duct mounting or wall mounting.

TYPE	RANGE °C	OUTPUT (TEMPERATURE)	ACCURACY (TEMPERATURE) °C	PROTECTION	APPLICATION	DIAGRAM FIG.
TTC011	0...+50	0-10 Vdc	± 1	IP65	air duct	2
TTC012	-30...+50	0-10 Vdc	± 1,5	IP65	air duct	2
TTC013	0...+100	0-10 Vdc	± 2	IP65	air duct	2
TTC021	0...+50	4-20 mA	± 1	IP65	air duct	1
TTC022	-30...+50	4-20 mA	± 1,5	IP65	air duct	1
TTC023	0...+100	4-20 mA	± 2	IP65	air duct	1
TTE011	0...+50	0-10 Vdc	± 1	IP65	room/outdoor	2
TTE012	-30...+50	0-10 Vdc	± 1,5	IP65	room/outdoor	2
TTE013	0...+100	0-10 Vdc	± 2	IP65	room/outdoor	2
TTE021	0...+50	4-20 mA	± 1	IP65	room/outdoor	1
TTE022	-30...+50	4-20 mA	± 1,5	IP65	room/outdoor	1
TTE023	0...+100	4-20 mA	± 2	IP65	room/outdoor	1
TTI011	0...+50	0-10 Vdc	± 1	IP65	immersion	2
TTI012	-30...+50	0-10 Vdc	± 1,5	IP65	immersion	2
TTI013	0...+100	0-10 Vdc	± 2	IP65	immersion	2
TTI021	0...+50	4-20 mA	± 1	IP65	immersion	1
TTI022	-30...+50	4-20 mA	± 1,5	IP65	immersion	1
TTI023	0...+100	4-20 mA	± 2	IP65	immersion	1

Accessory	DBZ-22 - mounting bracket for air duct transmitters TTC (included in the supply)
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TECHNICAL DATA

Power supply:	see electrical wiring
Outputs:	see schedule
Power cons.:	< 1 W
Elect. connections:	screw terminals max. 0.75 mm ²
Measuring range:	see schedule
Sensor type:	NTC 10K
Working temp. (sensor):	-20...+50 °C (TTE) -20...+100 °C (TTI) -20...+80 °C (TTC)
Room temp.:	-20...+50 °C
Working humidity:	10...95 % r.h.
Storage:	-20...+70 °C
Precision:	max error 1 °C (range 0..50 °C) max error 1.5 °C (range -30..50 °C) max error 2 °C (range 0..100 °C)
Temp. dependence of electronics:	output 4...20 mA (temperature): 0.015 °C/°C
Load limits:	output 4...20 mA - power supply 11...17 Vdc: $R_L < 50 \text{ Ohm}$ - power supply 21...30 Vdc: $R_L < 500 \text{ Ohm}$ output 0...10 Vdc: $R_L > 1000 \text{ Ohm}$

Insertion lenght:	TTC: 60...230 mm TTI: 120 mm
Housing:	cover: gray polycarbonate base: gray polycarbonate
Protezione:	IP65, class III (sensor excluded)
Dimension:	75 x 75 x 36 mm (housing)
Weight:	180...300 g

WIRING DIAGRAM

CURRENT (2 wires)

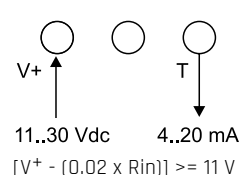


fig. 1

VOLTAGE

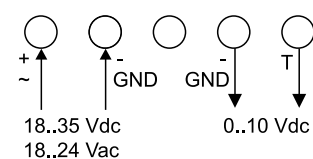
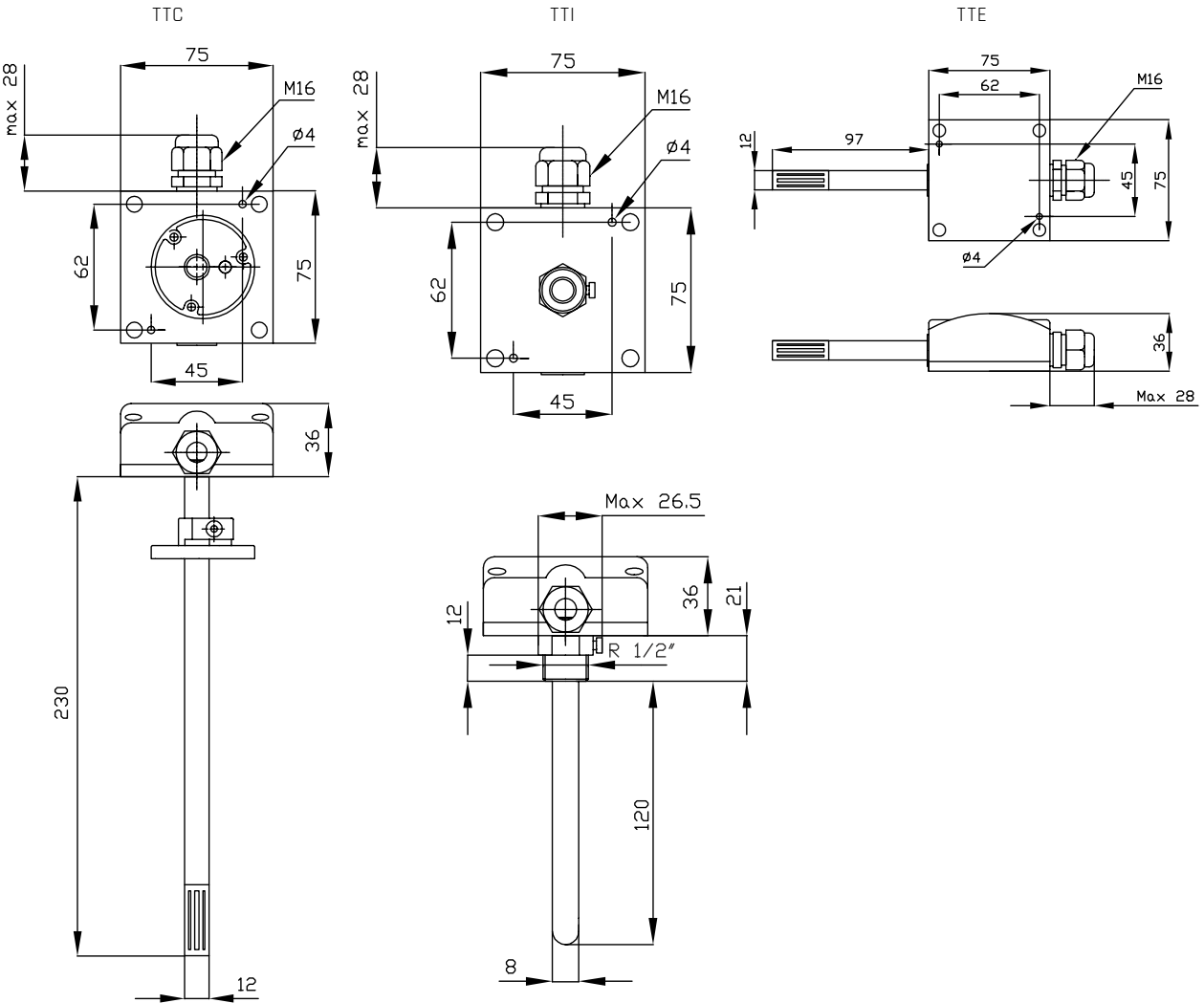


fig. 2

Wiring diagrams referred to the different models from the schedule.

DIMENSIONS (mm)



MOUNTING BRACKET DBZ-22 SUPPLIED WITH TTC

