

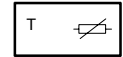
EGT 401: Outside-temperature detector with platinum measuring element

For measuring the outside temperature for e.g. weather-compensated heating systems. Baseplate and cover of pure-white thermoplastic. Platinum thin-film sensor as per DIN IEC 751; connection terminals for wires of up to 1.5 mm²; cable inlet at rear or from below for Pg 11 cable screw fitting.

Type	Nominal value at 0°C	Measuring range [°C]	Weight [kg]
EGT 401 F101	1000 Ω	-50...80	0.1
Resistance values as per Tolerance at 0 °C	DIN IEC 751, Class B ± 0.3 K	Degree of protection	IP 54 (EN 60529)
Mean temp. coefficient	0.00385 K ⁻¹	Wiring diagram	A01632
Self-warming	0.2 K/mW	Dimension drawing	M04686
Time characteristic in air	Dead time Time const.	Fitting instructions	MV 505377
still	1.5 min 10 min		
moving (1 m/s)	1 min 6 min		



T05083



Y04579

Accessories

0370560 011 Cable screw fitting Pg 11; of thermoplastic; for cable Ø 9...11 mm

Operation

The resistance value of the platinum measuring resistor changes with respect to temperature. The temperature coefficient is always positive, i.e. the resistance value increases as the temperature rises. See DIN IEC 751 for Pt curve. The elements are exchangeable (within the limits of the prescribed tolerances).

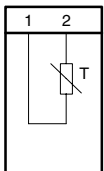
Engineering and fitting notes

Suitable for either surface or recessed fitting. The external sensor should not be exposed to direct sunlight and should not be fitted above windows or ventilation outlets, or next to chimney flues or other heat sources.

Additional technical data

Complies with:-
EMC directive 89/336/EEC EN 61000-6-1/ EN 61000-6-2
 EN 61000-6-3/ EN 61000-6-4

Wiring diagram



A01632

Dimension drawing

