

Universal transmitter DAT 1065, DAT 4035 programable by PC

Features:

- Configurable input for RTD, TC, mV, Resistance and Potentiometer;
- Galvanic isolation at 2000 Vac;
- 4 ÷ 20 mA configurable output on current loop;
- Configurable by Personal Computer;
- High accuracy;
- On-field reconfigurable;
- EMC compliant – CE mark;
- Head mounting→DAT 1065, DIN rail mounting→DAT 4035;



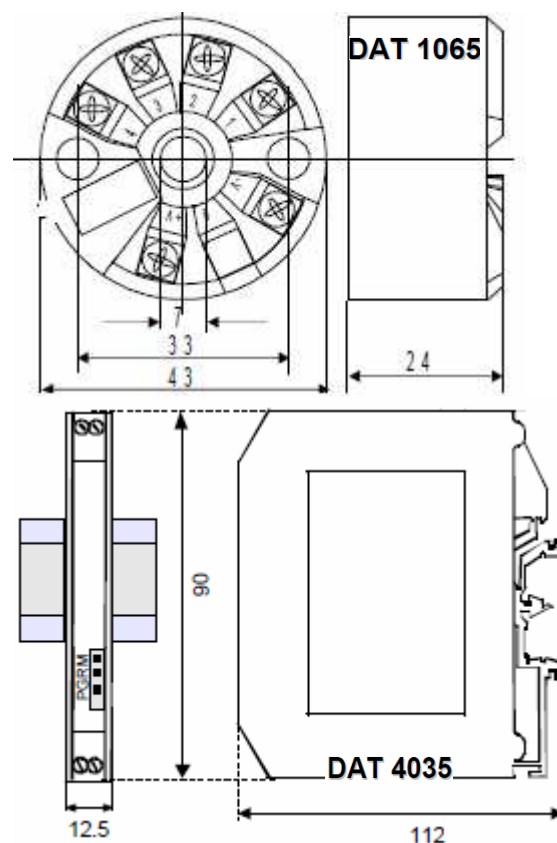
Applications:

- Monitoring and controlling temperature in control processes, automatic systems, energy management, etc.

Technical specifications:

Senzor type	Pt 100/1000, Ni 100/1000 Tc : E, J, K, N, R, S, B, T, mV : -100 ÷ 700mV, Resistance: 0 ÷ 300 / 2000Ω Potenț.: 0÷200Ω, 200÷500Ω, 0.5÷2kΩ
Output type	4 ÷ 20mA
Calibration RTD	> ± 0.1% f.s. or ±0.2°C
Calibration res. 0÷300Ω	> of ± 0.1% f.s. or ±0.15 Ω
Calibration res. 0÷2000Ω	> of ± 0.2% f.s. or ±1 Ω
Calibrare Tc, mV	> of ± 0.1% f.s. or ±10 uV
Calibration output	± 7 uA
Input impedance Tc, mV	> = 10 MΩ
Linearity Tc	± 0,2 f.s.
Linearity RTD	± 0,1 f.s.
Line res. influence Tc, mV	≤ 0,8μV/Ω
Line res. influence RTD 3 fire	0,05%/Ω
Line res. influence RTD 4 fire	0,005%/Ω
RTD excitation current	0,350mA
CJC comp.	± 0,5°C
Thermal drift	± 0,01%/°C
Burn-out max. value	≈ 22,5mA
Burn-out min. value	≈ 3,6mA
Response time (10÷90%)	≈ 400ms
Power supply voltage	10 ÷ 32Vdc
Reverse polarity protection	Max. 60Vdc
Isolation voltage	2000Vac, 50Hz, 1min
Operative temperature	-20÷70°C
Storage temperature	-40÷85°C
Humidity (not condensed)	0 ÷ 90%
Housing material	Self – extinguish plastic
Mounting	Head or DIN rail
Weight	≈ 50gr
Immunity EMC	EN 61000-6-2
Emission EMC	EN 61000-6-4

Dimensions (mm)



* For temperature sensors it is possible to set the input range also in F degrees; to made the conversion use the formula: $F = (C * 9 / 5) + 32$

Our company can execute any model of thermocouple or RTD