

A / D interface for PLC configurable by switch

Features :

- Acquisition of analog signals on PLC's digital I/O;
- Analog input to any PLC or micro PLC;
- Up to 16-bit resolution with Full Scale high accuracy;
- Configurable by DIP-switch;
- Galvanic isolation at 2000 Vac on three ways;
- EMC compliant – CE mark;
- Suitable for DIN rail mounting in compliance with EN 50022 and EN-50035;



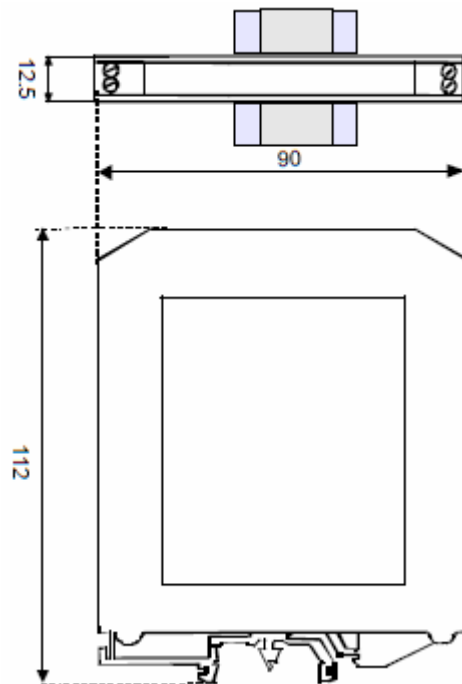
Available models:

Model	Inputs	Private
DAT 6011	2 inputs forTc (J, K, R, S, B, E, T, N) or $\pm 1V$	Cold junction compensation
DAT 6012	2 inputs forRTD, resistance and potentiometer	Connection 2 or 3 wire
DAT 6013	2 inputs for $\pm 10V$ or $\pm 20mA$	-
DAT 6021	4 inputs forTc (J, K, R, S, B, E, T, N) or $\pm 1V$	Cold junction compensation
DAT 6023-I	4 inputs for $\pm 20mA$	-
DAT 6023-V	4 inputs for $\pm 10V$	-

Technical specification:

Sampling time	$\sim 0.3 \div 0.5$ sec
Signal clock frequency	Max. 500Hz
Input impedance	4.7k Ω
Minimum output load	560 Ω
Thermal drift	$\pm 0.005\%$ / $^{\circ}C$
Voltage on terminals	Typical 24Vdc, max. 30Vdc
Power supply	18 \div 30Vdc
Current consumption	30mA @ 24Vdc
Reverse polarity protection	Max. 60Vdc
Isolation	2000Vac, 50Hz, 1min
EMC	Immunity : EN 61000-6-2 Emission : EN 61000-6-4
Operating temperature	-10 \div 60 $^{\circ}C$
Storage temperature	-40 \div 85 $^{\circ}C$
Humidity (not condensation)	0 \div 90%
Case	Self-extinguish plastic
Mounting	DIN rail
Weight	$\sim 50g$

Dimensions mm :



State LED	Function
ON	Device powered, communication in progres
OFF	Not powered, communication interrupted