AR593

UNIVERSAL TRANSMITTER / SEPARATOR WITH CURRENT AND VOLTAGE OUTPUT

PROGRAMMING


PROGRAMMING


COPY SUPPLY

- ■universal thermometric and analog input
- ■two independent configurable outputs:
  - current 0/4÷20 mA (active output, cannot be supplied in two-wire current loop)
  - voltage 0/2÷10 V
- ■programmable alarms for exceeded setpoints with hysteresis
- ■input type, processing range and other processing parameters configured with AR950 or AR956 programmer
- ■signalling the exceeded processing range, sensor error or alarm output status (on-off type)
- ■triple galvanic separation(input / output / power)
- ■high accuracy and immunity to interferences
- ■housing for mounting on a DIN rail, IP20

Contents of set:
- transmitter
- user manual

Accessories:
- programmer AR956
- programmer AR950

The AR956 programmer can be used to power the transmitter from the USB port during configuration.

Ordering procedure

AR593

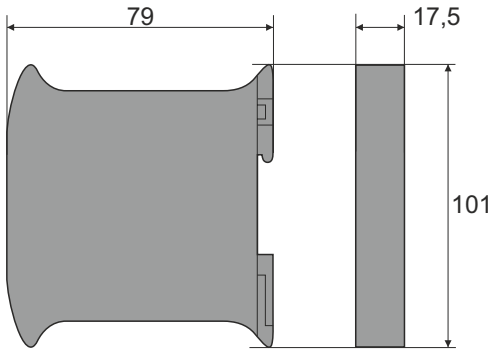
The transmitter can be configured by the manufacturer, the order should specify the type of input, range and other parameters described in the user's manual (available at www.apar.pl)
For example: **AR593 / J / 0..20 mA / 100..600 °C**

TECHNICAL DATA

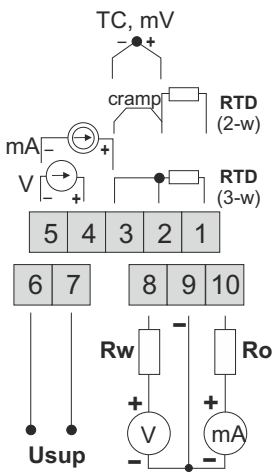
Input (programmable)		**Pt100** (factory setting), Pt500, Pt1000, Ni100, (2- i 3-wire)
		J,K,S,B,R,T,E,N(compensation of temperature of the referencejuntion)
		0/4÷20 mA, 0÷10 V, 0÷60 mV
		0÷2,5 kΩ
Processing range		programmable in the input measuring range, factory:**0÷500 °C**
Output	- current	0/4÷20 mA, Ro ≤ 500 Ω, factory setting: **4÷20 mA** (active output)
	- voltage	0/2÷10 V, Rw > 2,5 kΩ, factory setting: **0÷10 V**
Basic processing error		0,1% of the measurement range
Additional error for thermocouples		<2 °C (thermocouple cold junction temperature compensation)
Power supply		24 Vac/dc (18÷50 Vdc, 13÷35 Vac), <850 mW
Separation		1,5kV, 50 Hz, 1min
Response time (10÷90%)		360 ms, programmable in range 0,24÷1,6 s
Signaling of alarms and errors		red LED diode, output signals3,8 mA or 21 mA
Rated operating conditions		0÷65 °C, 0÷90 %RH (non-condesing)

DIMENSIONS AND INSTALLATION DATA

Enclosure dimensions	79x101x17,5 mm
Fixing methods	on a 35 mm DIN rail
Material	polycarbonate, ABS UL94V-0



TERMINAL STRIPS AND ELECTRICAL CONNECTIONS



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