AR592

Universal transmitter / separator with current output

APAR

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 reference juntion)
	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**
Current output	4÷20 mA (2-wire with supply in the current loop)
Basic processing error	0,1% of the measurement range
Additional error for thermocouples	<2 °C (cold ends temperature)
Power supply	10÷36 Vdc, Robc < (Usup-10 V) / 21 mA
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
Materal	polycarbonate, ABS UL94V-0

PROGRAMMING
AR950

PROGRAMMING
AR956
COPY
SUPPLY

- universal thermometric and analog input
- current input 4÷20 mA (2-wire with supply in the current loop)
- scope of processing, input type, and other parameters configured with an AR950 programmer or an AR956 programming set
- LED signaling of exceeded processing range or sensor error
- galvanic isolation (input/output)
- high accuracy and immunity to interferences
- housing for mounting on a DIN rail, IP20

Contents of set:
- transmitter
- user manual
- warranty card

Accessories:
- programmer AR956
- programmer AR950

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

TERMINAL STRIPS AND ELECTRICAL CONNECTIONS
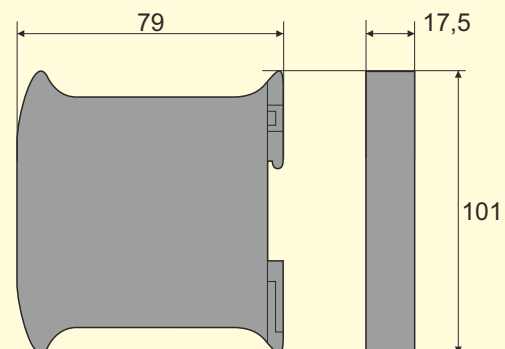

How to order
AR592

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)
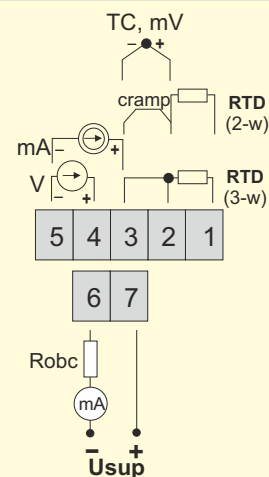For example: **AR592 / J / 100..600 °C**

2014.07.07   version 2.0.0