

# AR662

## Universal Microprocessor Controller Type AR662



Microprocessor universal controller with thermometric and analog input, 2 relay outputs SRR, 1 analog output, double readout of measured and set value ON-OFF, PID, RAMPING, RS485/232, rail 53x90x58mm

### Technical specification

- high accuracy and resistance to noises in production area
- universal thermometric and analog input
- temperature sensors Pt100, Ni100
- thermocouples J, K, S, R, T, B
- current 0÷20mA, 4÷20mA
- voltage 0÷60mV, 0÷10V
- 2 output relay or SRR
- output 1: ON-OFF with hysteresis, PID, AUTOTUNING PID
- output 2: ON-OFF with hysteresis
- optional:
- interface RS232C or RS485, MODBUS-RTU
- analog output 0/4÷20mA or 0÷10V (continuous-controls, retransmission)
- built in power supply 24Vdc/30mA for object transmitters supply
- programmable type of input, range of readouts and other parameters
- option to protect configurable parameters by password
- option to block of set value
- programmable digital filtration
- programmable operation characteristic (process controller, RAMPING)
- manual option of output controls (type ON-OFF) double display LED, height of digits 10 and 14 mm, control of brightness
- signalizing:
- found errors: information on display
- activity of relays: diode LED red
- freeware software ARSoft-WZ1 for parameters configuration
- software ARSoft-WZ2 for record and visualization of measuring data
- cooperation with operator panel AR295
- measurement accuracy:
- 0,1% of full range ±1 digit,
- thermocouple input: 0,2% of full range ±1 digit,
- <2°C (temperature of cold ends)
- response time: 0,3÷2s (programmable)
- power supply:
- 230Vac (85÷260 Vac) / 3VA
- 24Vac/dc (18÷72Vdc/3W, 15÷50Vac/3VA)
- operation temperature range: 0÷50°C
- relative humidity range: 0÷90% (without condensation)
- housing dimensions 53x90x58 mm for mounting on rail TS35 (DIN EN 50022-35)

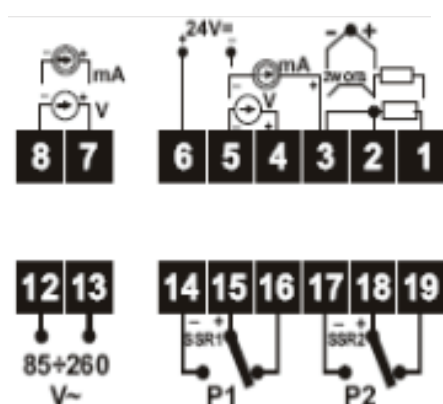
## Ordering Information

|       |          |          |  |  |  |  |  |  |  |  |  |
|-------|----------|----------|--|--|--|--|--|--|--|--|--|
| AR662 | <b>A</b> | <b>B</b> |  |  |  |  |  |  |  |  |  |
|-------|----------|----------|--|--|--|--|--|--|--|--|--|

| <b>A Power supply</b> |                      |
|-----------------------|----------------------|
| S1                    | 230 VAC (85 – 260 V) |
| S2                    | 24 VAC/DC            |

| <b>B Output 1</b> |                             |
|-------------------|-----------------------------|
| P                 | Relay                       |
| S                 | SSR (transistorized NPN OC) |

## Description Of Wire Connections



Output RS232  
or RS485

### Input 3-wire Pt100 :

- for clamps 1-2-3.

### Input 2-wire Pt100 :

- for clamps 1-2, clamp in clamps 2-3.

### Input of thermocouples J, K, S :

- for clamps 3-4 ('+' thermocouples for clamps 3, '-' to clamp 4).

### Power supply :

- for clamps 12-13.

### Relay output:

- P1 for clamps 14-15-16.

### Output SSR:

- „+” SSR1 for clamp 14 „-” SSR1 for clamp 15.

## Assembly Data

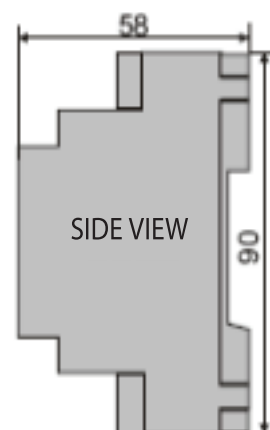
**Housing of table** .....INCABOX 48x48 XT L57

- front panel .....polycarbonate
- housing frame .....self-extinguishing NORYL 94V-0

**Housing dimensions** .....48 x 48 x 79 mm

**Window of table** .....46 x 46 mm

**Clamping** .....handles on housing side



## Ordering Example

### AR662-S1-P

stands for: Universal microprocessor controller AR662, power supply 230 VAC (85 – 260 VAC), output – relay