

Temperature, humidity and universal controllers

Temperature controllers

AR601, AR621, AR651, AR661



ON/OFF with hysteresis or PID + Autotuning controller
 Power supply: 15...250VAC / 2VA
 20...350VDC / 2W
 Universal input: Pt100, thermocouples: J, K, S, B, R, T, E, N
 Accuracy: Pt100 0,2% F.S.+/- 1 digit
 thermocouples 0,3% F.S.+/- 1 digit + <2°C
 One output: Two state, Relay (8A/250V) or SSR (11V/25mA)
 Binary input - from external switch start/stop function

AR601 - panel 48x48mm
 AR621 - panel 72x36mm
 AR651 - panel 96x48mm
 AR661 - DIN rail, 3 modules

Universal controllers AR650, AR630



Temperature controller AR625



Four colour LED large display - digits 20mm high
 ON/OFF with hysteresis or PID + Autotuning controller
 Power supply: 18...265VAC / 3VA
 20...350VDC / 3W
 Universal input: Pt100, Ni100, Pt500, Pt1000, 0...60mV, 0...2500Ω
 0/2...10V, 0/4...20mA, tc: J, K, S, B, R, T, E, N
 Accuracy: RTD, mV, V, mA, Ω 0,1% F.S.+/- 1 digit
 thermocouples 0,2% F.S.+/- 1 digit + <2°C
 Three outputs: Two state, Relays (8A or 5A/250V) or SSR(10V/22mA)
 One analog output: 0/4...20mA or 0/2...10V
 Binary input - start/stop or setpoint change function
 Power supply 24V/ 30mA for 4...20mA current loop transducers
 Modbus RTU - RS485 - option
 AR650 - panel 96x48mm, AR630 - enclosure 120x80x55mm

Two setpoints on two green LED displays
 ON/OFF with hysteresis or PID + Autotuning controller
 Power supply: 20...250VAC / 3VA
 22...350VDC / 3W
 Universal input: Pt100, thermocouples: J, K, S, B, R, T, E, N
 Accuracy: Pt100 0,2% F.S.+/- 1 digit
 thermocouples 0,3% F.S.+/- 1 digit + <2°C
 Two outputs: Two state, Relays (8A/250V) or SSRs (11V/25mA)
 Panel 96x48mm

Universal controllers

AR602.B, AR642.B, AR652.B, AR682.B, AR662.B, AR632.B



ON/OFF with hysteresis or PID + Autotuning controller, STB, Latch
 Power supply: 18...265VAC / 3VA
 20...350VDC / 4W
 Universal input: Pt100, Ni100, Pt500, Pt1000, 0...60mV, 0...2500Ω
 0/2...10V, 0/4...20mA, tc: J, K, S, B, R, T, E, N
 Accuracy: RTD, mV, V, mA, Ω 0,1% F.S.+/- 1 digit
 thermocouples 0,2% F.S.+/- 1 digit + <2°C
 Three outputs: Two state, Relays (8A or 5A/250V) or SSR (11V/23mA)
 One analog output: 0/4...20mA or 0/2...10V
 Binary input - start/stop or setpoint change function
 Power supply 24V/ 30mA for 4...20mA current loop transducers
 Modbus RTU - RS485 and/or Modbus TCP, MQTT - options
 micro USB - for programming, free software

AR602.B - 48x48mm
 AR642.B - 48x96mm
 AR652.B - 96x48mm
 AR682.B - 96x96mm
 AR662.B - DIN rail, 3 modules
 AR632.B - enclosure
 120x80x55mm



Temperature, humidity and universal controllers

Universal 2-inputs controllers AR653.B, AR663.B, AR633.B



ON/OFF with hysteresis or PID + Autotuning controller, STB, Latch
 Power supply: 18...265VAC / 3VA
 22...350VDC / 4W
 Two universal inputs: Pt100, Ni100, Pt500, Pt1000, 0...60mV, 0...2500Ω
 0/2...10V, 0/4...20mA, tc: J, K, S, B, R, T, E, N
 Accuracy: RTD, mV, V, mA, Ω 0,1% F.S.+/- 1 digit
 thermocouples 0,2% F.S.+/- 1 digit + <2°C
 Three outputs: Two state, Relays (8A or 5A/250V) or SSR (11V/23mA)
 One analog output: 0/4...20mA or 0/2...10V
 Binary input - start/stop or setpoint change function
 Power supply 24V/ 50mA for 4...20mA current loops transducers
 Modbus RTU - RS485 and/or Modbus TCP, MQTT - options
 micro USB - for programming, free software

AR653.B - 96x48mm
 AR663.B - DIN rail, 4 modules
 AR633.B - enclosure
 120x80x55mm

Temperature & humidity controller AR247



Integrated sensor
 Options: sensor with 1,5m cable
 or 150/250mm stainless tube

Sensor range: -30...+80°C, 0...100%RH (no condensation)
 Operating environment: air and neutral gases

Heating / humidification, cooling / drying, alarms
 ON/OFF with hysteresis or PID + Autotuning controller
 Power supply: 15...250VAC / 3VA, 20...350VDC / 3W
 Accuracy: temperature: +/-0,4°C
 humidity: +/-2,5%RH in range 0...90%RH
 +/-3,5%RH in range 90...100%RH
 hysteresis 0,8%RH in 25°C
 Three outputs: Two state, Relays (8A or 5A/250V) or SSR(11V/25mA)
 One analog output: 0/4...20mA or 0/2...10V
 Binary input - start/stop or setpoint change function
 Modbus RTU - RS485 - option, enclosure 120x80x55mm

Universal controller AR692



ON/OFF with hysteresis or PID + Autotuning controller
 Power supply: 18...260VAC / 3VA, 20...350VDC / 3W
 Universal input: Pt100, Ni100, Pt500, Pt1000, 0...60mV, 0...2500Ω
 0/2...10V, 0/4...20mA, tc: J, K, S, B, R, T, E, N
 Accuracy: RTD, mV, V, mA, Ω 0,1% F.S.+/- 1 digit
 thermocouples 0,2% F.S.+/- 1 digit + <2°C
 Three outputs: Two state, Relays (8A or 5A/250V) or SSR(10V/22mA)
 One analog output: 0/4...20mA or 0/2...10V
 Binary input - start/stop or setpoint change function
 Power supply 24V/ 30mA for 4...20mA current loop transducers
 Modbus RTU - RS485 - option, panel 144x72mm

Controllers with knobs AR604, AR614



ON/OFF with hysteresis or PID + Autotuning controller
 Power supply: 15...250VAC / 2VA
 20...350VDC / 2W
 Universal input: Pt100, thermocouples: J, K, S, B, R, T, E, N
 Accuracy: Pt100 0,2% F.S.+/- 1 digit
 thermocouples 0,3% F.S.+/- 1 digit + <2°C
 One output: Two state, Relay (8A/250V) or SSR (11V/25mA)
 Binary input - from external switch start/stop function
 AR604 - panel 48x48mm, AR614 - panel 96x96mm

Controllers with timer AR603, AR613



ON/OFF with hysteresis or PID + Autotuning controller, Timer
 Power supply: 15...250VAC / 3VA
 20...350VDC / 3W
 Universal input: Pt100, thermocouples: J, K, S, B, R, T, E, N
 Accuracy: Pt100 0,2% F.S.+/- 1 digit
 thermocouples 0,3% F.S.+/- 1 digit + <2°C
 Two outputs: Two state, Relay (8A or 5A/250V) or SSR (11V/25mA)
 Binary input - from external switch start/stop function
 AR603 - panel 48x48mm, AR613 - panel 96x96mm