

REG 243 DIGITAL CONTROLLER SINGLE LOOP

Electronic controller multipurpose full set DIN 48 x 48. Available versions:

- 20 - one programmable input by keypad
one output configurable as on/off relays or on alternative SSR solid state relays;
one analog output 4/20 mA or 0/10 Vdc or SSR;
one alarme relays out on substitution of analog out.
- 31 - Three relays version, plus amperometric transformer TA or on alternative as follows::
1 analog output;
2 alarm relays;
1 ampere transf. TA for resistive load controlling.
- 21 - Two relays with RS 485 serial comm configurable as below:
1 analog output or SSR;
2 relays outputs.

Extende supply: 24 to 230 Vac or Vdc

Only three front programming keys.

Double display: red LEDs (PV) and green (SP), 9999 digits.

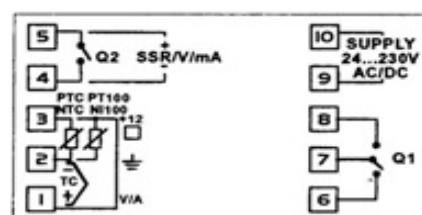
Function mode:

- direct or reverse action modulating output 0/4...20 mA - 0...10 Vdc;
- 3 state floating (on-off-on) for relays and actuators;
- double direct/reverse action (hot/cold) on two relays;
- 2 state on-off on single controlling relè.

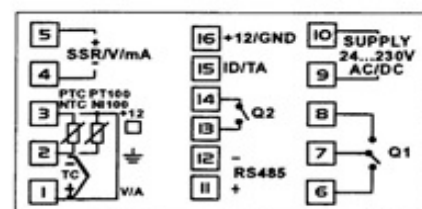
Controlling features:

- PID + autotuning on PV process variable;
- ON/OFF, 2 positions with hysteresis;
- soft-start funtion: disable tuning function to available gradual set-point;
- time programming whit 2/3 fases. Arising first or second level set point at time set. Start up and stop of cycle.

Memory card: easy data record and download from to each controller.



REG243-20



REG243-21

TECHNICAL FEATURES

Programmable single input:

temperature = thermocouple K, S, R, J, etc; RTD sensors Pt100, Pt500, Pt1000, Ni100, PTC1000, NTC10K.

current/tension = 0-10 Vdc/0-4-20 mA; 0-40 mV; TA 50 mA

potentiometers = 6 kΩ ; 150 kΩ f.s.

Accuracy:

± 0,2% ± 1 digit

Outputs:

relè 5 A load 250 Vac

SSR 12 V - 30 mA max

4...20 mA max 750 W

0...10 Vdc > 10 KW

Amperometric transformer:

TA : 50 mA f.s. 1024 points

Serial communication:

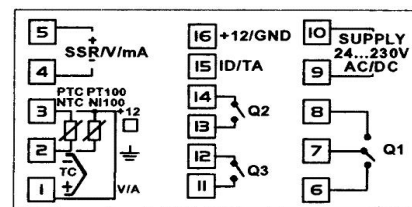
RS485 Mod bus RTU

Supply:

switching 24...230 Vac/dc ± 15% 50/60 Hz - 3 VA

Dimensions:

DIN 48x48; deep 122,5 mm. Bezel 45x45, sp. 2÷ 8 mm - IP55



ATR243-31ABC



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