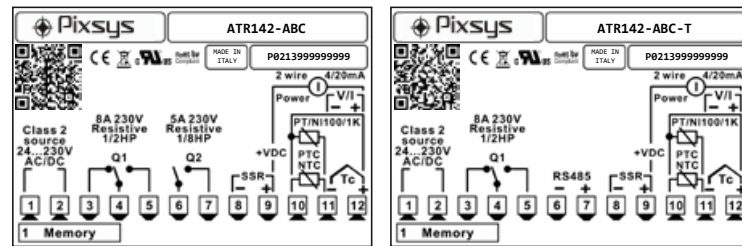


WIRING PLAN



ATR142

Three setpoint controller



Main features

Box	32x74 (front panel) x 53 mm
Power supply	24..230Vac/dc $\pm 15\%$ 50/60 Hz
Consumption	2 W
Display	4 digits 0,4" green + 4 digits 0,3" red + 6 signaling leds
Operating conditions	Temperature 0-45 °C, humidity 35..95 RH%
Material	Box: Noryl UL94V1 self-extinguishing; front panel: PC ABS UL94V0 self-extinguishing
Weight	Approx. 112 g
Sealing	Front panel IP65 (with gasket) , Box IP30, Terminal bloks IP20
Quick set-up options	Memory Card with / without battery, software LABSOFTVIEW, EASY-UP codes

Inputs

1 configurable	Selection TC, K, J, S, R, PT100,PT500, PT1000, Ni100, PTC1K, NTC10K (B 3435K), 0/4..20 mA, 0..10 V, 0..40mV, Potentiometer 1..6/160 Kohm.
Sampling time	Up to 4,1 ms (Frequency 242 Hz)
1 digital input	1/2 setpoint selection, Hold, Run (only if TC, 0..10V, 0/4..20mA, 0..40mV)

Outputs

2 Relays	1 Relay 8A - 250 Vac resistive charge + 1 Relay 5A - 250 Vac resistive charge
1 SSR	12 Vdc - 30 mA
Serial communication	RS485 Modbus RTU - Master/Slave

Software features

Control algorithms	ON - OFF with hysteresis, P, P.I., P.I.D., P.D. time proportioned, dead band
Tuning	manual or automatic
Data protection	Lock of command / alarm setpoint - Access to parameters by password
Alarm modes	Absolute / Threshold, band, High / Low deviation. Alarm with optional manual reset
Soft-Start	Rising gradient expressed as Degrees / Hour
Double P.I.D.	Heating / Cooling P.I.D.
Programmer function	Start / Stop, 3 steps pre-programmed cycle
Timer function	Controller function + single / double Timer
Open / Close logic	Open / Close logic for motorized valves

Ordering codes

ATR142-ABC	1 Analogue Input + 2 Relays 8/5 A + 1 SSR 12Vdc / Supp. 24..230Vac/Vdc
ATR142-ABC-T	1 Analogue Input + 1 Relay 8 A + 1 SSR 12Vdc + RS485 / Supp. 24..230Vac/Vdc