ATR902

Programmable PDA controller 15 cycles / 18 steps

PDA programmer with multi-pole connector, single control loop. Allows the programming of 15 cycles/programs that can provide up to 18 steps/segments, all of which can be configured by the user as raise/maintain/lower. Programming mode and display of the work cycle that is intuitive and simple to use even for inexpert operators.

Specifically designed for the automation of hobby and professional kilns for ceramics, glass or laboratory applications that require the programming of cycles/curves with temperature in relation to time. Software functions for Delayed start, Step end wait (in the case of delay of the process on the programmed setpoint value) and Cycle recovery mode (following a power cut-off). The multi-pole connector compatible with the ATR900/901 series does not require wiring and offers immediate connection/installation.

Universal input for all common thermocouples and two outputs that can be selected as control or alarm/auxiliary, control with increased precision thanks to the new PID-predictive algorithm. All options can be configured from the keypad.

Main features

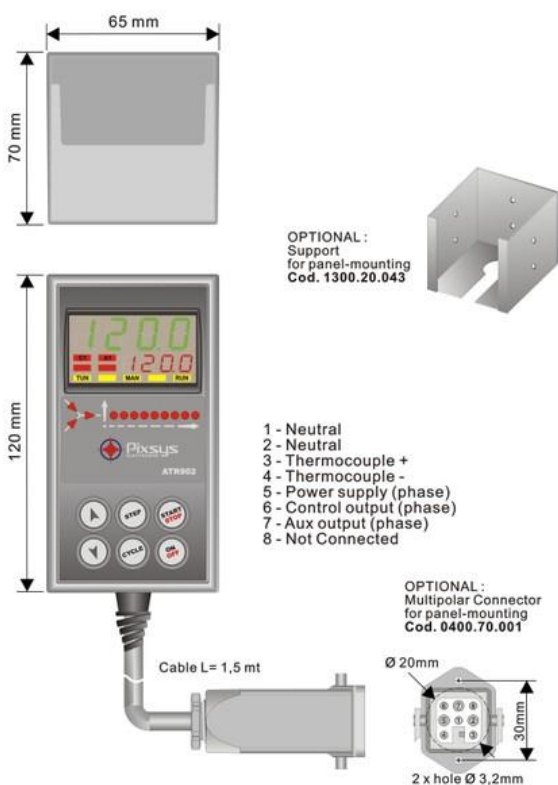|	
Box	120 x 65 (front panel) x 65 mm
Power supply	24...230Vac/Vdc ±15% 50/60 Hz
Consumption	4W
Display	Display 4 digit 0,56" red + 4 digit 0,4" green + Bargraph
Operating conditions	Temperature 0-45 °C, humidity 35...95% RH (non condensing)
Material	Box: ABS; Front panel: polycarbonate
Weight	Approx. 550 gr
Sealing	IP65 (Front panel), IP20 (Box and Terminal blocks)
Accessories	Connector 7poles/female (kiln side), Bracket for panel mounting

Inputs

1 Analog	TC K, S, R, J, T, E, N selection by parameter

Outputs

Relays	2 Relays 1A - 250 Vac resistive charge

Software feature

Control algorithms	ON - OFF with hysteresis, P., P.I., P.I.D., P.D. time proportioned
Tuning	Automatic, Automatic predictive
Data protection	Access to parameters by password, Setpoint modification during cycle only if enabled by parameter
Alarm modes	Absolute / Threshold, band, High / Low deviation, timed auxiliary programmable on single steps
Hold function	Hold current setpoint value, with Start / Stop by keyboard
Waiting function	Special function to compensate differences SPV / PV in case of overloaded system
Cycle recovery function	Resume the cycle after unexpected power failure
Setpoint Controller mode	Regulation on a fixed setpoint (function might be enabled from general menu or during a cycle in progress)
Delayed start	Cycle start delayed by parameter

65 mm
70 mm
120 mm

OPTIONAL :
Support
for panel-mounting
Cod. 1300.20.043

1 - Neutral
2 - Neutral
3 - Thermocouple +
4 - Thermocouple -
5 - Power supply (phase)
6 - Control output (phase)
7 - Aux output (phase)
8 - Not Connected

OPTIONAL :
Multipolar Connector
for panel-mounting
Cod. 0400.70.001

Cable L= 1,5 mt

Ø 20mm
30mm
2 x hole Ø 3,2mm

Ordering codes

ATR902-12ABC
1 Analog Input + 2 Relays 1A, supply 230 Vac/dc