

Photos for illustration purposes only

AXRON TEMPERATURE CONTROLLERS ECO 300

Definition: The controller is used to set the desired furnace (or oven) temperature. The furnace heats up to this temperature then heats intermittently to maintain it. With a programmable controller, the desired temperature can be associated with the time requested to reach it. Each of the temperature/time pairs is called a segment. A set of segments forms a program, and some regulators allow several programs to be memorised. There are principally 2 types of segment. Ramp: the furnace temperature rises or falls to the preset temperature as a function of the desired time, following a linear progression and heating intermittently. The other is the dwell type: the furnace maintains a steady temperature by heating intermittently.

Example: Rise to 400°C in 3 h, maintain 400°C for 6 hours, rise to 900°C in 4 h, maintain 900°C for 2 hours, maintain 1100°C (the rise is not timeconstrained, it will be achieved as best) fall in 15 h, 1 programme, 6 segments

Display: Dual display, measured temperature in red, target temperature in green

Electricity: Screw terminal block 0.5 to 1.5 mm²

Memory: Memorisation of set temperatures and programmes when furnace is shut down

Mounting: The regulator can be removed from its housing from the front without dismantlement or tools

Documentation: Instructions in English

Type	A	B	C	D	E	F
Function	Single-loop controller	Controller with ramp	Programmable controller	Programmable controller	Programmable controller	Programmable controller
Number of programs	-	-	1	10	30	10
Available size	Several	Several	48x96	48x96	96x96	96x96

TCP-IP interface option + PC communication software (PC Option): Control of the oven at distance. Simple temperatures recording (reference and measure) with a fixed time interval. The software enables the transfer of programmes from the PC to the controller and the controller to the PC, as the modification of the instructions and control parameters remotely.

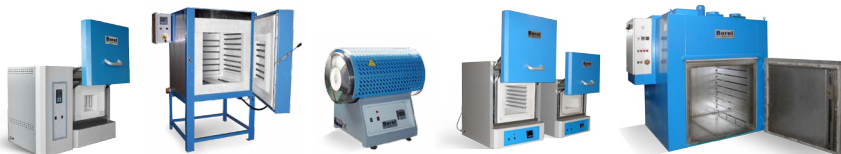
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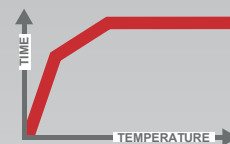


Type

A

Controller: The AXRON ECO 300Y-N controller is simple to use. Temperature rise/fall by the action of incrementing/decrementing arrows. Once the temperature is entered, the furnace heats up to reach and maintain it.

- Advanced PID

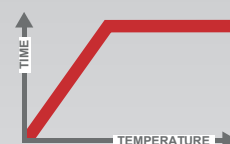


Type

B

Controller with ramp: Temperature rise/fall by the action of incrementing/decrementing arrows. Once the temperature is entered, the furnace heats according to a ramp to reach and maintain it.

- Advanced PID or standard PID
- Ramp function

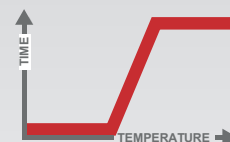


Type

C

3 segments programmable controller: Programmable controller AXRON ECO 308H-P1, allowing to program a waiting time, a ramp and a dwell.

- Advanced PID or standard PID
- Number of programs: 1
- Number of segments per program: 3
- A waiting time, a ramp and then a dwell

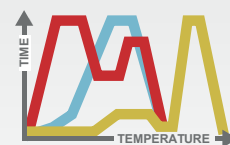


Type

D/E

150/450 segments programmable controller: Programmable controller with 10/30 recordable programs of 15 steps. The programs can generate ramps and dwells.

- Advanced PID
- Number of programs: 10 or 30
- Number of segments per program: 15
- Ramp or dwell function for each segment
- Delayed start

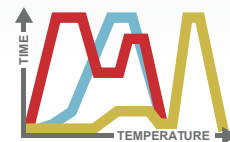


Type

F

500 segments programmable controller with paperless recorder and touchscreen:

- Flexible through modular hardware
- Number of programs: 10
- Simple recorder integrated



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Specifications subject to change