Programmable temperature controller 48×96 mm ATR421

48×96 mm (1/8 DIN) temperature programmer
15 programs, up to 45 segments



KEY FEATURES

- 15 programs up to 45 segments
- Waiting at the end of the segment
- Resume after power outage
- Quick configuration

Description

The Pixsys ATR421 is a 48×96 mm (1/8 DIN) temperature programmer with a control loop. It controls complete thermal cycles, with increments, steps, and descents, and remains easy to use even for a less experienced operator.

15 programs up to 45 segments

The operator registers up to 15 cycles, each comprising up to 45 segments. Each segment is configured for temperature rise, hold or descent, which covers the vast majority of cooking, drying and thermal treatment curves.

Waiting at the end of the segment

If the process is behind schedule, the programmer waits for the temperature to be reached before moving on to the next segment. The actual duration of the stages is thus respected.

Resume after power outage

Cycle Recovery mode automatically resumes the program after a power outage, without losing any current charge.

Quick configuration

The settings and programs are saved and duplicated on a memory card or via a PC software, making it convenient to equip several ovens with the same cycles.

Typical applications

- Industrial furnaces and heat treatment furnaces
- Climate chambers and test chambers
- Dryers and polymerization ovens
- Any thermal process with a temperature/time curve

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Technical specifications

General characteristics

Dimensions	48 x 96 mm (front panel), depth 123 mm
Nutrition	24…230 VAC/DC ±15 %, 50/60 Hz (24 V or 110…230 VAC selected by jumper)
Consumption	5.5 VA, 4 W
Display	4 green digits 0.4 + 4 red digits 0.3
Materials	Noryl UL94V1 self-extinguishing casing, front rubber silicone V0
Weight	Approx. 350 g
Protection index	Front view IP65, enclosure and terminals IP20
Terms of use	0 to 45 °C, 35 to 95 % RH without condensation

Programming functions

Programs	15 cycles up to 45 segments
Segments	Upward, downward or horizontal movement, freely configurable
Waiting for the end of the segment	The cycle waits for the measure to reach the programmed target.
Resume of cycle	Automatic resumption of the program after a power outage
Regulating loops	1 loop

Configuration

Quick configuration options	Memory Card with or without battery, Pixsys configuration software

Technical advice and quote

DYNATIME SA distributes this product in Switzerland from Marin (NE). Our team helps you choose the right version for your application and sends you a quote quickly.
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