

ATR464 Cycle Temperature Controller

Overview

The ATR464 is an advanced temperature profile controller designed for precision thermal processing in industrial ovens, kilns, curing systems, and laboratory equipment. Housed in a 1/8 DIN vertical format (48 × 96 mm, approximately 1.89 × 3.78 inches), it offers enhanced control capabilities while maintaining a compact footprint.

The controller supports up to 15 programmable profiles, each with a maximum of 30 steps configurable as ramp, soak, or cooling segments. This makes it ideal for time-dependent thermal processes requiring repeatable and accurate control sequences.

Built-in software functions include Waiting Mode (to delay a cycle if the process variable hasn't reached the setpoint), Cycle Recovery after power interruption, and event-based outputs that can trigger alarms or external actions based on profile steps. The ATR464 also provides real-time profile status feedback during operation.

Model variants are available to suit different application needs:

The ATR464-24ABC-T includes 2 analog outputs for precise temperature retransmission or proportional control.

The ATR464-15ABC offers 5 relay outputs, ideal for systems requiring multiple on/off control points or alarms.

Programming and configuration are accessible via the intuitive front keypad, or remotely through NFC using the MyPixsys App, or via USB with the MyPixsysLab PC software, ensuring fast deployment and ease of use even for less experienced operators.

With robust control features, profile flexibility, and industrial-grade reliability, the ATR464 is an ideal solution for complex thermal profiles in both production and laboratory environments.

Key Features

- Programmable analog input (TC, RTD, mA, V)
- Up to 5 relay outputs and 2 SSR (PNP) outputs
- Analog output for retransmission or control
- 15 Cycles which can have 30 step profile programming
- Manual/automatic tuning and HOLD function
- Modbus RTU communication (RS485)
- NFC programming via Android phone

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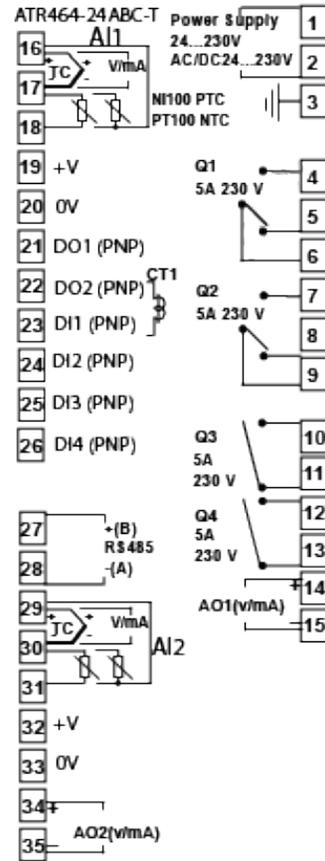
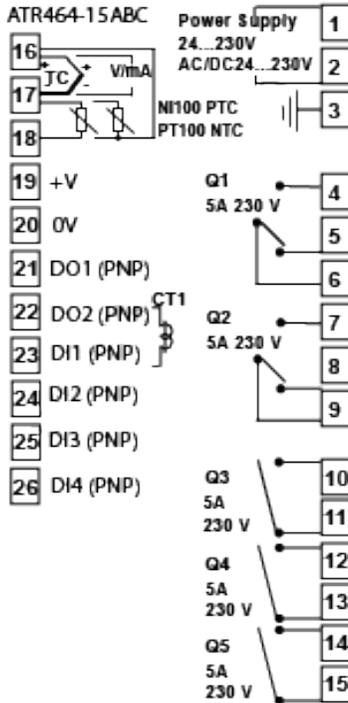
Technical Specifications

- Power Supply: 24–230 VAC/VDC ±15%
- Input Types: Thermocouple (TC), RTD, mA, V, Potentiometer
- Display: 4-digit (0.52 inches) and 5-digit (0.30 inches)
- Output: Relay, SSR, Analog (Voltage/Current)
- Protection: IP65 front, IP20 rear
- Operating Temperature: 0–45°C (32–113°F)
- Accuracy: ±0.2% Full Scale @ 25°C (77°F)
- Dimensions: 48×96 mm panel cutout (1.89 × 3.78 inches)
- Weight: Approx. 255 g (9 oz)
- Modbus: RTU slave, isolated RS485

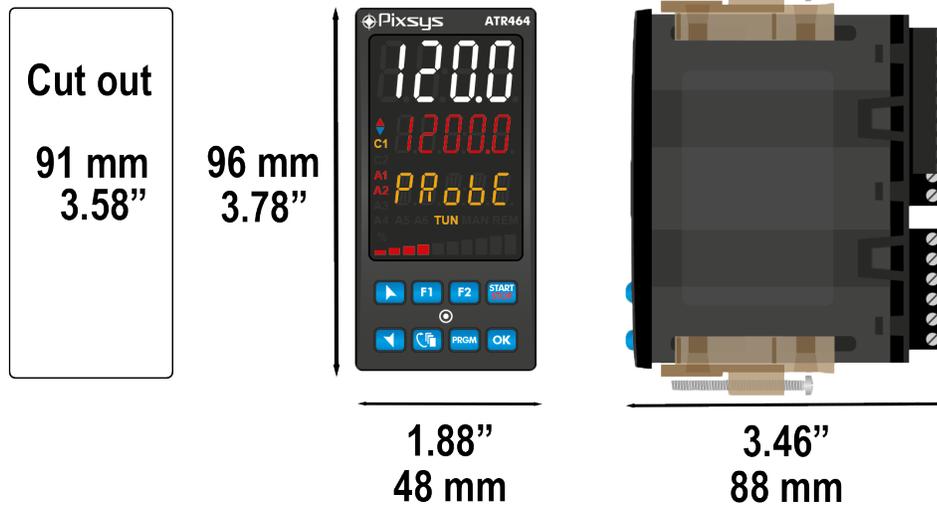
Wiring Diagram

ATR464-24ABC-T

ATR464-15ABC



Dimensions



Model	Analog Inputs	Relays	SSR Outputs	Digital Inputs	Analog Outputs	CT Inputs	Modbus RS485
ATR464-24ABC-T	1	5	2	4	-	-	Yes
ATR264-13ABC	2	4	2	4	2 (V/mA)	1	No

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