



» **ATR401** Multisetpoint controller/ double input

» **Ordering code**

Plastic Extrusion
Injection and extrusion moulding
Food industry
Packaging and printing machinery
Single/multi-loop applications and/or cascade control
Woodworking machinery
Industrial kilns
Painting cabins
Footwear and leatherwear machinery



» **Description**

Double Universal Input

All models are provided with two inputs, configurable for temperature sensors and linear signals, to manage a double control loop (1 PID/Tune and 1 ON/OFF) or a single loop relating the two process to a mathematical operation (addition, difference, mean). It is possible to configure humidity+temperature sensors into a single controller and show both process variables on dual frontal display. Additional input allows to set remote set-point for cascade control, or by an external potentiometer. TA input for amperometric transformer and Loop-Break-Alarm mode can be overlapped to input 2.

Selectable command and alarm outputs

Starting from the basic model with 2 relay outputs + SSR command up to 3 and 4 relays and the most complete version that includes 2 relays + SSR, analogue output Volt/mA and RS485+Modbus RTU/Slave. Wide configuration options for alarm logic, selectable as Absolute/Band/Deviation with and without any retaining or delay at starting.

Extended supply range and simplified configuration mode

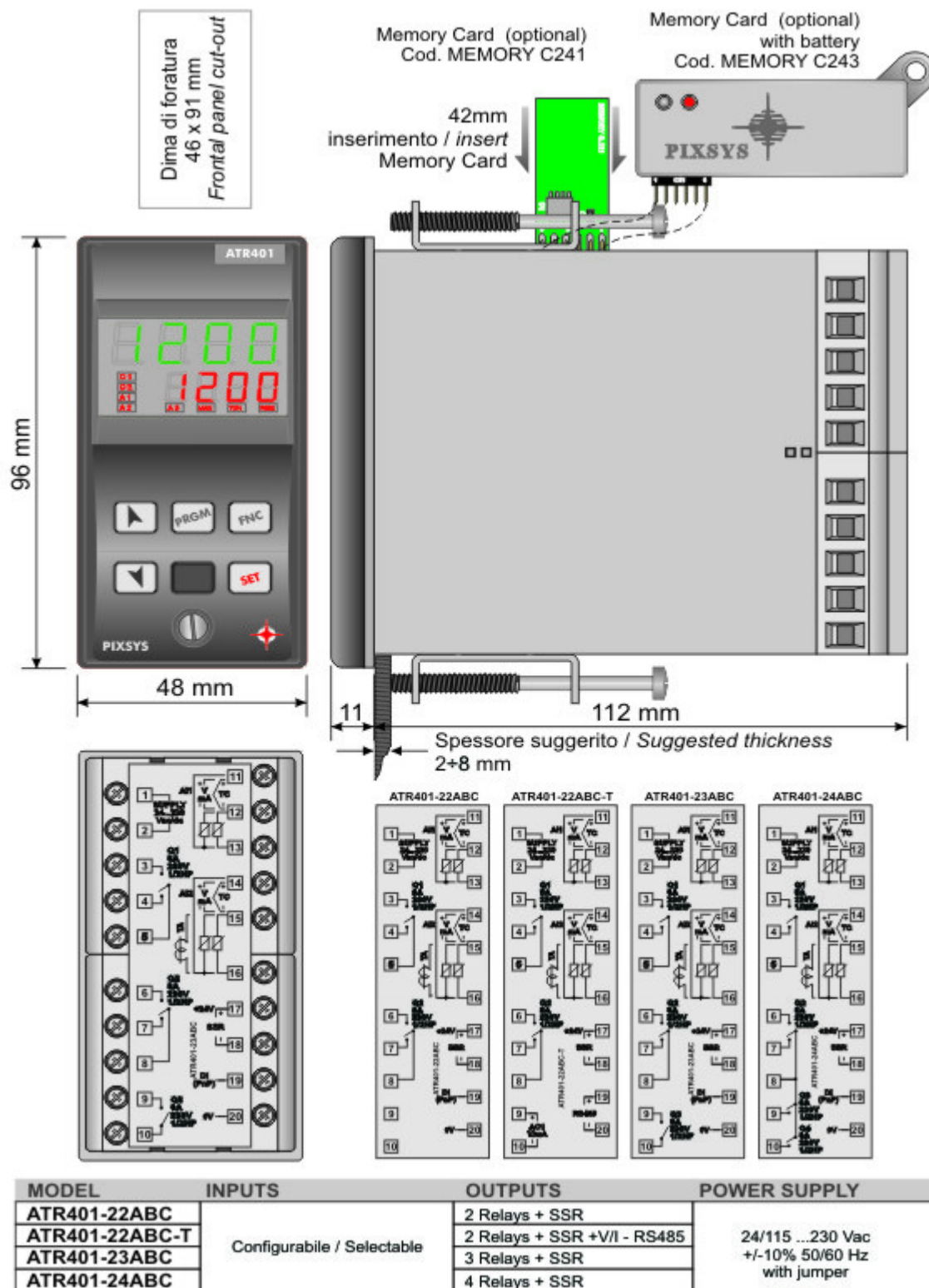
» **Technical data**

SIZE: 48x96(frontal)x135mm
SEALING:IP54 Frontal, IP30 Box, IP20 Terminal blocks
POWER SUPPLY: 24 Vac /115...230 Vac/Vdc (selection by internal jumper)
POWER CONSUMPTION: 4W
DISPLAY: dual, 4+4 digits + signal leds
OPERATING CONDITIONS: 0-45°C, 35..95rH%
INPUTS: 2 selectable for TC K, J, S, R, PT100,PT1000 NI100, 0/4..20mA, 0..10V, Pot 6/160Kohm, TA
DIGITAL INPUT: 1 (Multisetpoint, Hold, Run selection)
OUTPUTS:
ATR401-22ABC: 2 relays 8A-resistive + SSR 12V-50mA
ATR401-23ABC: 3 relays 8A-resistive + SSR 12V-50mA
ATR401-24ABC: 4 relays 8A-resistive
ATR401-22ABC-T: 2 relays 8A-resistive + SSR 12V-50mA + 4...20mA/0...10V + RS485
CONTROL MODE: I-ON/OFF, II-PID-Autotuning
SERIAL communication RS485, MODBUS-RTU/SLAVE
CONFIGURATION: Parameters protected by password and Memory card for serial production, Labsoftview software, Easy-Up mode.

Controller is supplied with tensions from 24 to 230Vac/Vdc, and generates a power supply of 24Vdc/30mA that can be used for two-wires linear sensors. Programming tools are available either on PC (Labsoftview) or by memory-card (with and without battery). Integrated Easy-up mode allows a simplified inputs and outputs configuration by entering preselected passwords.

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» **Installation**



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