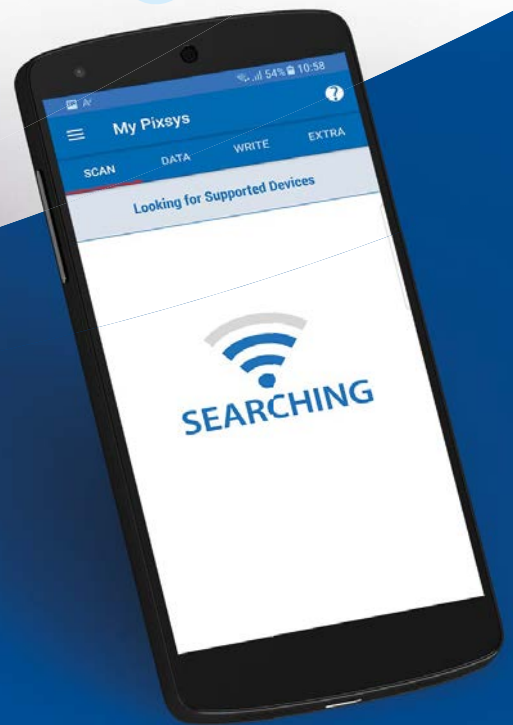


# ATR224

## Blue line

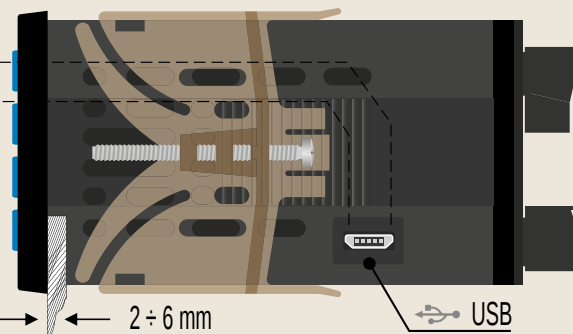
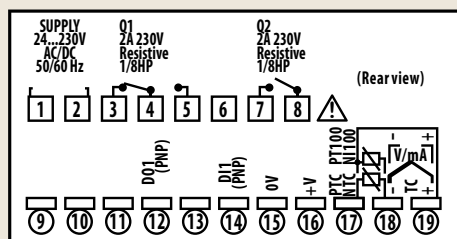
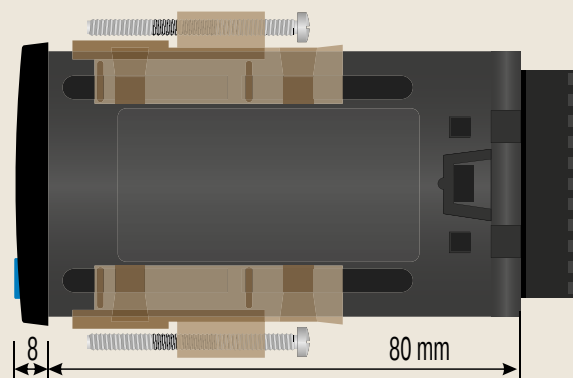
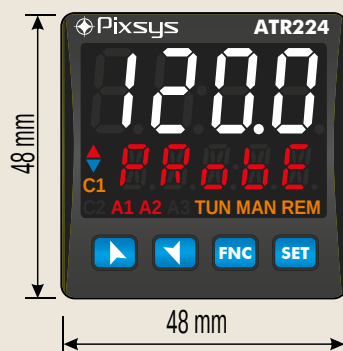


Programmable by RFID /NFC  
No wiring required!



Powerful display  
On-line programming Help  
Dynamic smart Tune

Dima di foratura  
46 x 46 mm  
Frontal panel  
cut-out  
Trou de panneau



Spessore suggerito / Suggested thickness / Épaisseur suggérée → 2 ÷ 6 mm

## Main features

|                      |                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------|
| BOX                  | 48 x 48 (front panel) x 105 mm                                                             |
| POWER SUPPLY         | 24..230 V AC / DC ±15% 50/60 Hz - galvanical isolation 2,5KV                               |
| POWER CONSUMPTION    | 8 W                                                                                        |
| DISPLAY              | 4 digits 0,5" white + 5 digits 0,3" red                                                    |
| OPERATING CONDITIONS | Temperature 0-45 °C, humidity 35..95 RH%                                                   |
| MATERIAL             | Box: PC UL94V2 self-extinguishing, front panel: PC UL94V2                                  |
| WEIGHT               | Approx. 185 g                                                                              |
| SEALING              | IP65 (front panel) IP20 (box and terminal bloks)                                           |
| QUICK SET-UP OPTIONS | Memory Card, software LABSOFTVIEW, or EASY-UP codes                                        |
| "MyPixsys" APP       | Device setup via NFC for Android smartphone  . Via BT-NFC (2000.35.099) for iOS smartphone |

## Input

|                 |                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 CONFIGURABLE  | Res. 16 bit, selectable for TC type K, S, R, J, T, N, B (automatic compensation of the cold junction -25..85°C, ±0,2% F.S. ±1 digit F.S.), thermoresistances PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (° 3 435K), process signals 0..10 V (50000 points), 0/4..20mA (40000 points), 0..60 mV (25000 points), potentiometer 1..150 K <sub>Ω</sub> ( 50000 points) |
| SAMPLING TIME   | Programmable up to 2,1 ms (frequency up to 470 Hz)                                                                                                                                                                                                                                                                                                                 |
| 1 DIGITAL INPUT | Setpoint change, Hold, Run, Tuning launch, Start / Stop, Lock configuration                                                                                                                                                                                                                                                                                        |

## Outputs

|          |                                 |
|----------|---------------------------------|
| 2 RELAYS | 2 A - 250 V AC resistive change |
| 1 SSR    | 12 / 24 V DC - 25 mA max        |

## Software features

|                        |                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------|
| CONTROL ALGORITHMS     | ON - OFF with hysteresis, P., P.I., P.I.D., P.D. time proportioned                                            |
| TUNING                 | Manual or automatic                                                                                           |
| DATA PROTECTION        | Lock of control / alarm setpoint / Access to parameters by password                                           |
| ALARM MODES            | Absolute / Threshold, Band, High / Low deviation. Alarm with optional manual reset. Loop Break Alarm function |
| AUTO / MANUAL FUNCTION | Output percentage command also with automatic change in case of sensor failure                                |
| DOUBLE P.I.D.          | Heating / Cooling P.I.D.                                                                                      |
| SOFT-START             | Rising gradient expressed as Degrees / Hour or fixed output percentage                                        |
| OPEN / CLOSE LOGIC     | Open / Close logic for motorized valves                                                                       |

## Ordering codes

|              |                                                   |
|--------------|---------------------------------------------------|
| ATR224*12ABC | 1 Analogue Input + 2 relays 2 A + 1 Digital Input |
|--------------|---------------------------------------------------|