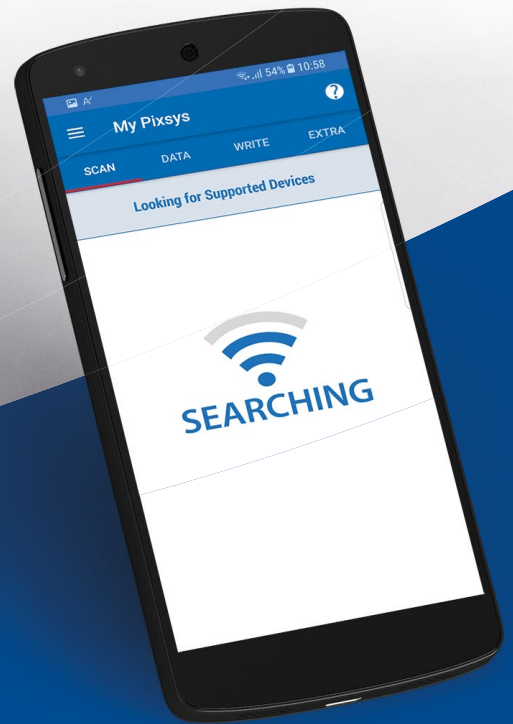


ATR444

Blue line



Programmable by RFID /NFC
No wiring required!



Single/Double Analogue Input – Single/Double PID control loop
Powerful display, interactive text messages
On-line programming Help
Dynamic smart Tune
C.T. loop break alarm
Analogue Output
Modbus RTU option

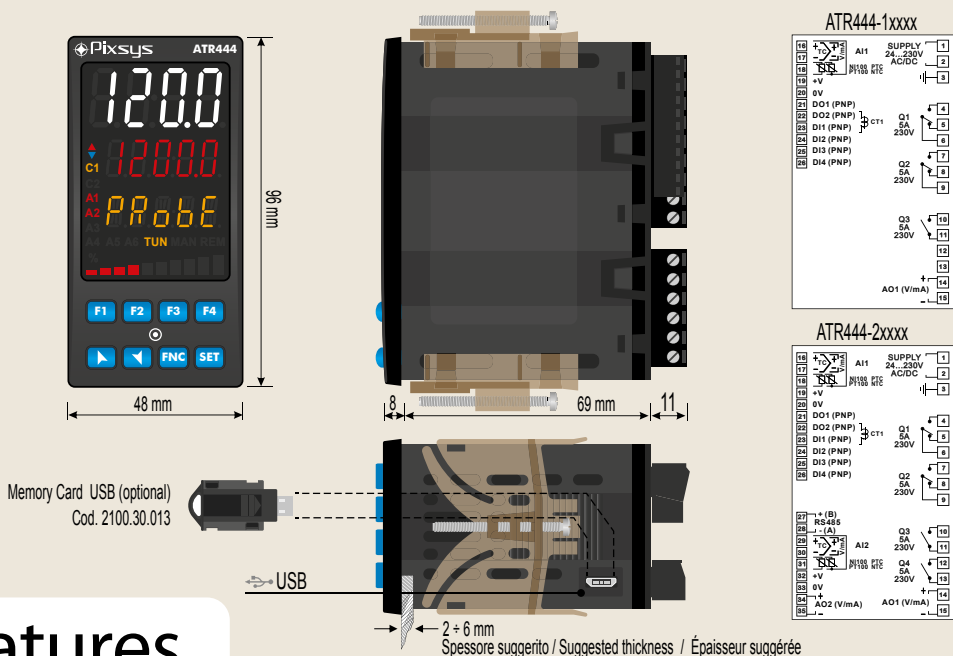
Pixsys srl

Via Po 16, I - 30030 Mellaredo di Pianiga VE
Ph. +39 041 519 0518 • Fax +39 041 519 0027

www.pixsys.net - sales@pixsys.net



Dima di foratura
46 x 91 mm
Frontal panel
cut-out
Trou de panneau



Main features

| | |
|----------------------|--|
| BOX | 48 x 96 (front panel) x 69 mm |
| POWER SUPPLY | 24..230 VAC/VDC $\pm 15\%$ 50/60 Hz - galvanical isolation 2,5KV |
| POWER CONSUMPTION | 13ABC (8W) - 14ABC-T (10W) - 15ABC (12W) - 22ABC (10W) - 24ABC-T (12W) |
| DISPLAY | 4 digits 0,5" white + 5 digits 0,3" red |
| OPERATING CONDITIONS | Temperature 0-45 °C, humidity 35..95 RH% |
| MATERIAL | Box and front panel: PC UL94V2 self-extinguishing |
| WEIGHT | Approx. 245 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

| | |
|------------------------------------|--|
| 1/2 CONFIGURABLE | Res. 16 bit, selectable for TC type K, S, R, J, T, N, B (automatic compensation of the cold junction -25..85°C, $\pm 0,2\%$ F.S. ± 1 digit F.S.), thermoresistances PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (β 3435K), process signals 0..10 V (50000 points), 0/4..20mA (40000 points), 0..60 mV (25000 points), potentiometer 1..150 K Ω (50000 points) |
| SAMPLING TIME | Programmable up to 2,1 ms (frequency up to 470 Hz) |
| 2/4 DIGITAL INPUT | Setpoint change, Hold, Run, Tuning launch, Start / Stop, Lock configuration |
| 1 CURRENT TRANSFORMER (C.T.) INPUT | Selection C.T. 50 mA, 800 μ s - 4096 points |

Outputs

| | |
|----------------------|---|
| 2/3 RELAYS | Relay 5 A - 250 V AC resistive change |
| 2 SSR | 12 / 24 V DC - 25 mA max |
| 1/2 ANALOGUE | Selection 4..20 mA (40000 points $\pm 0,2\%$ F.S.) or 0..10 V DC (40000 points $\pm 0,2\%$ F.S.) for command or retransmission PV / SPV |
| SERIAL COMMUNICATION | RS485 Modbus RTU - Slave (4800..115200 baud code-T) |

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

| | |
|----------------|---|
| ATR444-13ABC | 1 Analogue Input + 3 Relays 5A + 2 SSR + 4 Digital Inputs + 1 Analogue Output V/mA + 1 CT |
| ATR444-14ABC-T | 1 Analogue Input + 4 Relays 5A + 2 SSR + 2 Digital Inputs + 1 Analogue Output V/mA + 1 CT + RS485 |
| ATR444-15ABC | 1 Analogue Input + 5 Relays 5A + 2 SSR + 4 Digital Inputs + 1 CT |
| ATR444-22ABC | 2 Analogue Inputs + 2 Relays 5A + 2 SSR + 4 Digital Inputs + 1 Analogue Output V/mA + 2 CT |
| ATR444-24ABC-T | 2 Analogue Inputs + 4 Relays 5A + 2 SSR + 4 Digital Inputs + 2 Analogue Outputs V/mA + 1 CT + RS485 |