

UR4848xA

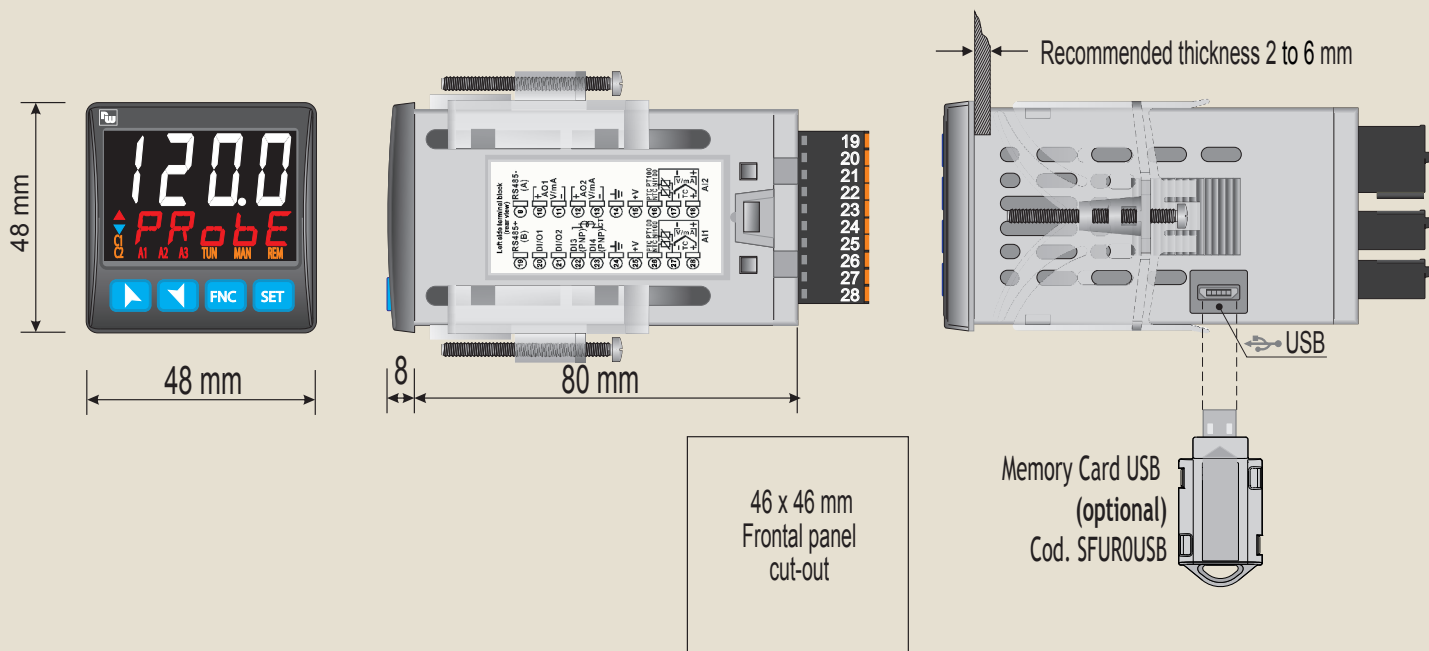
Universal Controller

Setting new Standards


Programmable via RFID /NFC
No wiring required!



Powerful display
programming via APP



Main features

Box	48 x 48 (front panel) x 105 mm
Power supply	24..230 V AC / DC $\pm 15\%$ 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
APP / NFC	Programming via APP (NFC) for Android smartphones 

Inputs

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 2 A - 250 V AC resistive change
2 SSR	12 / 24 V DC - 30 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

UR48481A	1 analogue input + 2 relays 2 A + 2 SSR + 2 D.I. + 1 analogue output V / mA
UR48482A	1 analogue input + 2 relays 2 A + 2 SSR / D.I. + 1 analogue output V / mA + RS485
UR48483A	2 analogue input + 3 relays 2 A + 2 SSR + 2/4 D.I. + 2 analogue output V/mA + RS485 + CT
UR48484A	2 analogue input + 3 relays 2 A + 2 SSR + 2/4 D.I. + 2 analogue output V/mA + RS485 + CT