Process Controller 2505

SCHUBERT & SALZER
C NTROL SYSTEMS

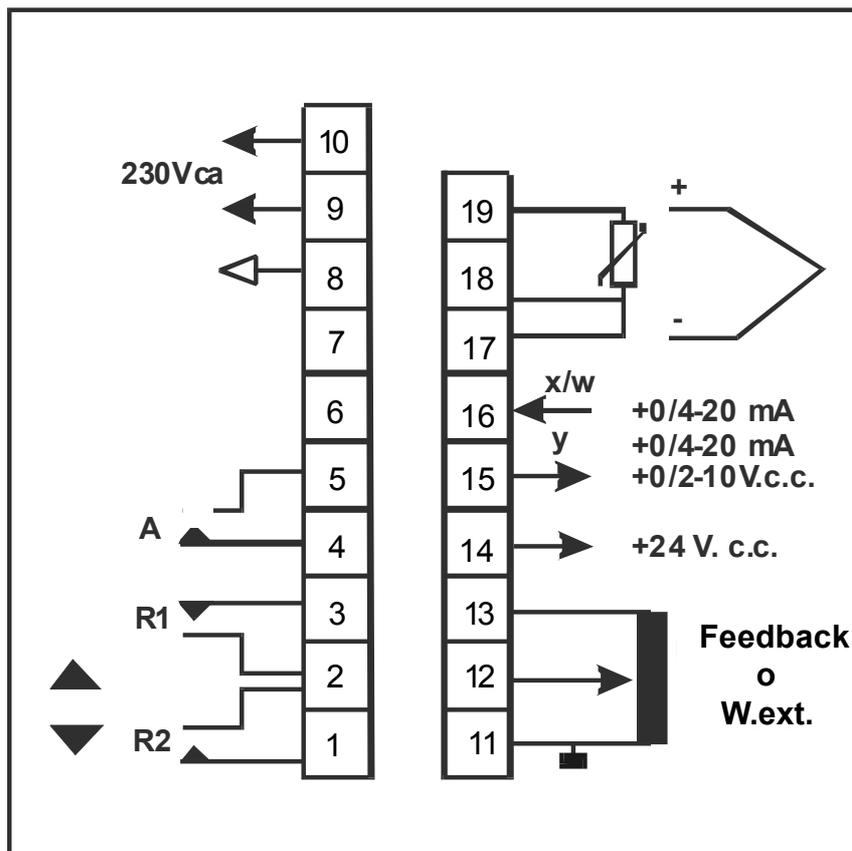**Universal Process Controller in Switch Board Size 96x96 mm for Various Control Applications.**

- Analogue, thermocouple and Pt100-input
- Internal and external setpoint
- Analogue control or 2/3-step control with or without feedback
- 24 V transmitter supply
- Two alarm outputs
- Two control loops configurable
- Self tuning function for determination of control parameters

Process Controller 2505

SCHUBERT & SALZER
CONTROL SYSTEMS

Mechanical Data

Size	Front plate 96 x 96 mm acc. DIN
Weight	600 g
Length	140 mm (with connections)
Casing	metal, anodised aluminium
Front and back plate	Polycarbonate
Protection class front plate	IP 54
Protection class back plate	IP 20
Adm. Ambient temperature	0 to 45°C
Max. operating humidity	0 to 80 % rel., no condensation

Electrical Data

Power supply	230 V $\pm$ 20%, 50/60 Hz
Power consumption	6 VA

Input Signals

Pt 100 (3-wire)	-100 ... +400 °C
Ni 200 (3-wire)	-60 ... +180 °C
0 - 300 Ω (3-wire)	Free scaling of display range
Thermocouple type J	0 - 600 °C
Thermocouple type K	0 - 1200 °C
Thermocouple type S	0 - 1600 °C
Thermocouple type B	0 ... 1800 °C

Analogue input   0 - 40 mV
            or   0/4 - 20 mA
24 VDC supply for 4 - 20 mA
            transmitters
	Free scaling of display range
	-999 ... 9999

Control Functions, Output Signals

2-step control with alarm
3-step control (without feedback, without alarm)
3-step-control with feedback (potentiometer)
Analogue control 0/4 - 20 mA or 0/2 - 10 V