



Industrial Controller

KS 90-1

EN
English

Original Installation Instructions
819132-01

Technical data

KS 90-1

Supply voltage

90 – 250 VAC, 48 - 62 Hz

Power consumption

8.0 VA

Inputs

1 actual value input INP1, 4-20 mA, for conductivity transmitter LRGT 1.-., screened, with 2 poles

1 supplementary input INP2, 4-20 mA, for external setpoint selection

2 control inputs DI1, DI2, configured as switch for connecting volt-free contacts, switched voltage: 5 V, current 100 μ A.

Outputs:

Relay outputs

Volt-free change-over contact

Max. contact rating: 500 VA, 250 V, 2 A at 48...62 Hz,

Min. contact rating: 6 V, 1 mA DC.

Switching cycle, electric: For $I=1$ A/2 A: > 800,000 / 500,000 (at AC 250 V (resistive load))

Provide inductive loads with RC combinations according to manufacturer's specification to ensure interference suppression.

Indicators and adjustors

1 display with bar chart and plain text

4 amber LEDs with relay outputs OUT1...OUT4,

4 pushbuttons for parameter setting and selection manual/automatic

Enclosure

Makrolon 9415, flame retardant

Flammability class: UL 94 V0, self-extinguishing.

Plug-in module, inserted from the front

Electrical connections

Screw terminals for conductor cross-sections from 0.5 to 2.5 mm²

Safety & protection

Overvoltage category II

Contamination class 2

Operating voltage range 300 V

Protection II

Protection

Front: IP 65 to EN 60529

Enclosure: IP 20

Connections: IP 00

Weight

approx. 0.27 kg

Ambient temperature

during operation 0 ... 60 °C

Transport temperature

-40 ... +70 °C (<100 hours), defrosting time of the de-energized equipment before it can be put into operation: 24 hours.

In control cabinet: Mounting the industrial controller

Dimensions KS 90-1

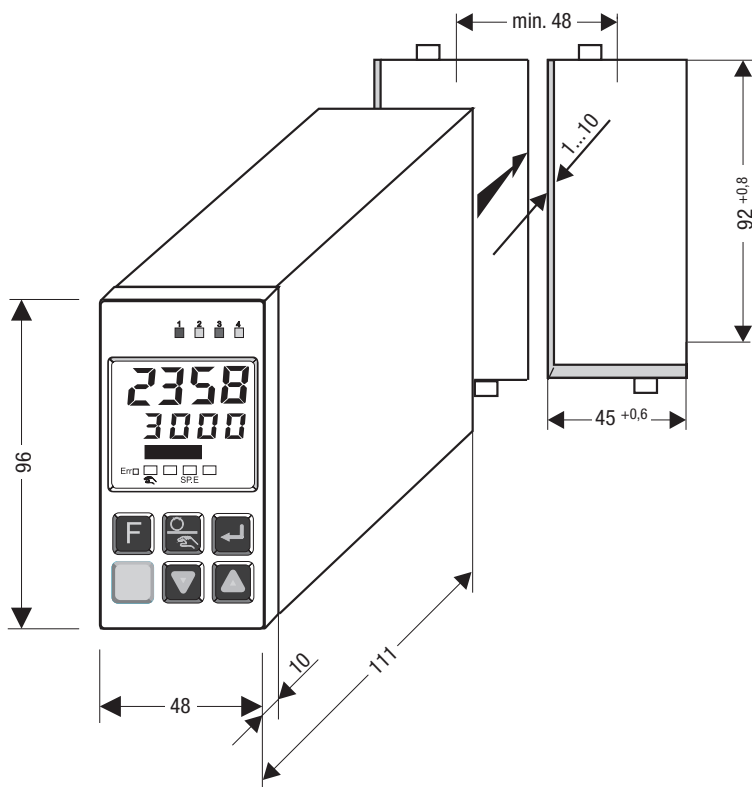


Fig. 1

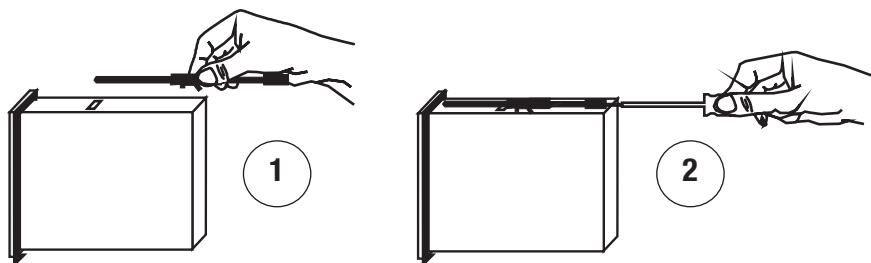


Fig. 2