

User manual

OMA 10S

Manual switch of measuring points 4 x 10



SAFETY INSTRUCTIONS

Please read this instruction manual carefully and adhere to its instructions.
This device is not intrinsically safe!

TECHNICAL DATA

Measuring device OMA 10S complies with EU regulation 89/336/EEG and Czech governmental regulation 168/1997 Sb.

It also complies with the following EU and Czech standards:

ČSN EN 55 022, class B

ČSN EN 61000-4-2, -4, -5, -6, -8, -9, -10, -11

The instrument is suitable for non-restricted use in agricultural and industrial areas.

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1. INSTRUMENT DESCRIPTION

Description

Model OMA 10S is a panel manually operated switch of measuring points.

Because of its parameters (low contact resistance and high durability) it is especially suitable for low voltage applications (for example for PT 100 probes)

CONTROLLING

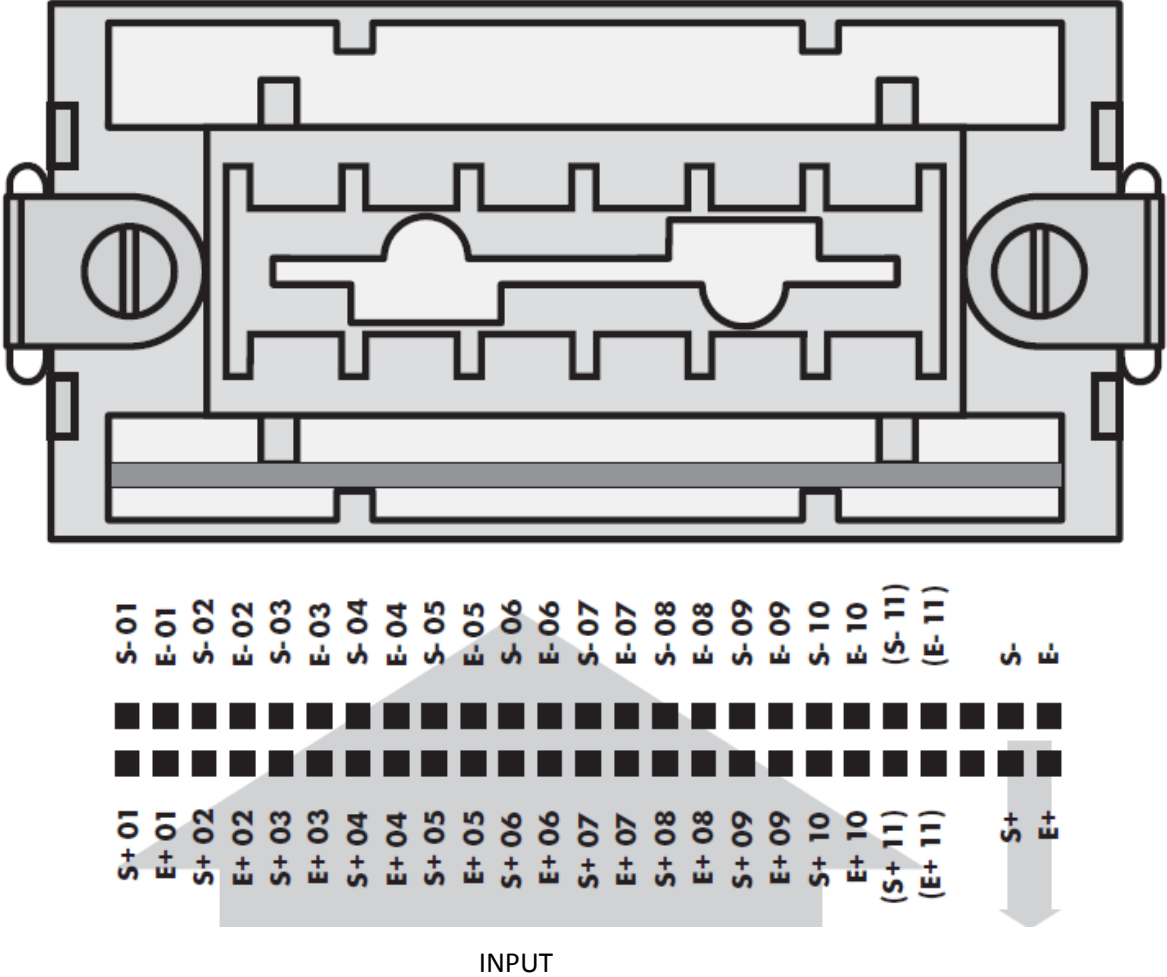
Switching between the measuring points is realised by means of a rotary switch on the front panel.

2. CONNECTION

Contactors, high power electric motors and other power devices should not be operated in the vicinity of the instrument.

The leads going into the instrument (measured value) need to be kept at a distance from possible sources of industrial electromagnetic interference. If this is difficult to do, the leads need to be shielded and the shielding has to be grounded.

The instrument is designed and tested for the use in industrial environment, but the manufacturer still advises caution and observing the above mentioned principles.

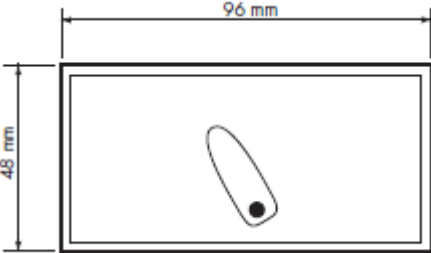


3. TECHNICAL DATA

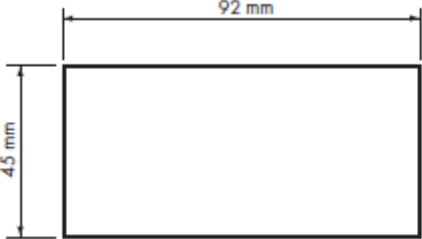
Input	
Connection:	4 x 10 positions (the number of positions is selectable inside the switch (2...10 x 4))
Maximum load:	30VDC/100mA
Maximum switching current:	5mA
Mechanical properties	
Connection:	Soldering terminals
Material:	Noryl CFN2 SE1, non flammable UL 94 V-I
Dimensions:	96 x 48 x 110mm
Pane cut-out:	92 x 45mm
Operating conditions	
Operating temperature:	0°C...50°C
Storage temperature	-10°C..80°C
Cover	IP 40 (per request IP 64 – only front panel)
El. safety	ČSN EN 61010-1, A2
EMC	EN 50081
	ISO 1000-4-2/Class 3
	ISO 1000-4-4/Class 3; ISO 1000-4-5

4. DIMENSIONS

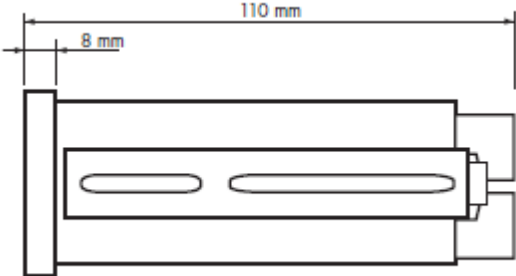
Front view



Panel cutout



Side view



Thickness of the panel 0.5 – 8.0mm