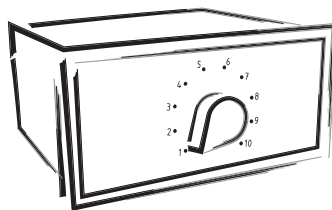




OMA 10S

MANUAL SWITCH
OF MEASURING POINTS





SAFETY INSTRUCTIONS

Please, read the enclosed safety instructions carefully and observe them!
These instruments should be safeguarded by isolated or common fuses (breakers)
For safety information the EN 61 010-1 + A2 standard must be observed.
This instrument is not explosion-safe!

TECHNICAL DATA

Measuring instruments of the OMA 10S series conform to the European regulation 89/336/EWG.

The instruments are up to the following European standards:

EN 61010-1 Electrical safety

EN 61326-1 Electronic measuring, control and laboratory devices – Requirements for EMC "Industrial use"

The instruments are applicable for unlimited use in agricultural and industrial areas.

CONNECTION

Supply of energy from the main line has to be isolated from the measuring leads.



ORBIT MERRET, spol. s r.o.

Vodnanska 675/30
198 00 Prague 9
Czech Republic

Tel: +420 - 281 040 200
Fax: +420 - 281 040 299
e-mail: orbit@merret.eu
www.orbit.merret.eu



**2.1** DESCRIPTION

The OMA 10S is a manual panel switch of measuring points.

For its parameters, low transitional resistance and high endurance the switch is designed for low-voltage applications (e.g. for sensors Pt 100)

2.2 OPERATION

Switching of the measuring points is performed by revolving switch on the front panel.

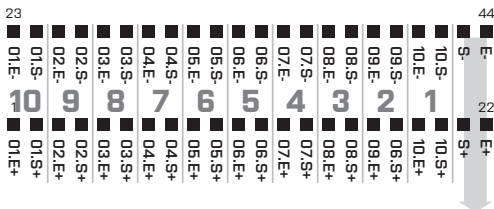
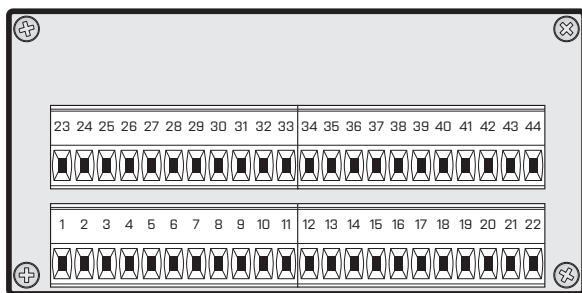
2. INSTRUMENT CONNECTION

The instrument supply leads should not be in proximity of the incoming low-potential signals.

Contactors, motors with larger input power should not be in proximity of the instrument.

The leads into the instrument input (measured quantity) should be in sufficient distance from all power leads and appliances. Provided this cannot be secured it is necessary to use shielded leads with connection to ground (bracket E).

The instruments are tested in compliance with standards for use in industrial area, yet we recommend to abide by the above mentioned principles.



!
Maximum load of the switch selector is 30 VDC/100 mA

INPUT

Connection: 4 x 10 positions
- number of positions is adjustable inside the switch [2..10 x 4]

Max. load: 30 VDC/100 mA
Max. current swit.: 5 mA

MECHANIC PROPERTIES

Material: Noryl GFN2 SE1, incombustible UL 94 V-1
Dimensions: 96 x 48 x 110 mm
Panel cut-out: 92 x 45 mm

OPERATING CONDITIONS

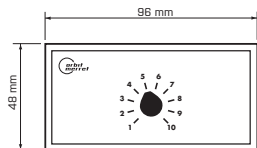
Connection: connector terminal board, conductor
cross-section <1,5 mm²

Working temp.: 0°...60°C
Storage temp.: -10°...85°C
Cover: IP40, on request IP64 (front panel only)
El. safety: EN 61010-1, A2
Insulation resist.: 50 V
EMC: EN 61326-1

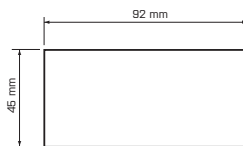
4. INSTRUMENT DIMENSIONS AND INSTALLATION



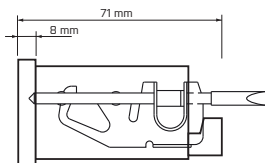
Front view



Panel cut



Side view



Panel thickness: 0,5...20 mm



Product **OMA 10S**
Type
Manufacturing No.
Date of sale

WARRANTY

A guarantee period of **60 months** from the date of sale to the user applies to this instrument.
Defects occurring during this period due to manufacture error or due to material faults shall be eliminated free of charge.

For quality, function and construction of the instrument the guarantee shall apply provided that the instrument was connected and used in compliance with the instructions for use.

The guarantee shall not apply to defects caused by:

- mechanic damage
- transportation
- intervention of unqualified person incl. the user
- unavoidable event
- other unprofessional interventions

The manufacturer performs guarantee and post.guarantee repairs unless provided for otherwise.

YEARS

Stamp, signature

