

## OMA 66



2003-3-en

- External module for limit settings
- Setting for two limit values
- Communication via RS 232 or RS 485
- Size of DIN 96 x 48 mm
- Power supply 230 VAC

### Options

Power supply 24 VAC, 110 VAC, 10...30 VDC

### Description

The OMA 66 model is an external panel module for setting and projection of limit values for instruments of the series OM 472/501/601/611 and 621 with the condition of their equipment with data output.

The instrument is based on an 8-bit controller that secures stability and easy operation of the instrument.

### Operation

Instrument is set and controlled by push buttons +/- located on the front panel. Setting for each limit is independent.

All programmable parameters are stored in the EEPROM memory (they hold even after the instrument is switched off.)

### Standard functions

#### Limits setting

|            |                  |
|------------|------------------|
| Setting    | push buttons +/- |
| Projection | -99999...999999  |

#### External control

|      |                       |
|------|-----------------------|
| Lock | control keys blocking |
|------|-----------------------|

## Technical data

### INPUT

Control: from instruments of the series OM 472/501/601/611/621, OMX 100  
 Data format: rate 150...38 400 Baud  
 8 bit + no parity + 1 stop bit  
 RS 232 isolated  
 RS 485 isolated, addressing (max. 31 instruments)

### PROJECTION

Display: -99999...999999, red or green 7-segment LED, digit height 9,1 mm  
 Decimal point: adjustable  
 Brightness: adjustable

### INSTRUMENT ACCURACY

Tempco: 60 ppm/°C  
 Watch-dog: reset after 20 ms  
 Funkce: Lock - control keys blocking (upon contact)  
 Calibration: at 25°C and 40 % r.h.

### POWER SUPPLY

24; 110; 230 VAC, 50/60 Hz, ±10 %, 5 VA  
 10...30 VDC/max. 300 mA, (24 VDC/max. 150 mA), isolated  
 - power supply is protected by a fuse inside the instrument

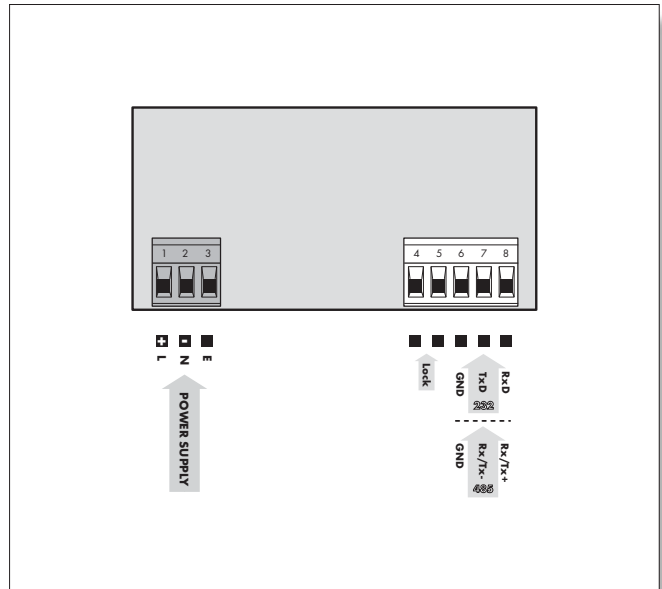
### MECHANIC PROPERTIES

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

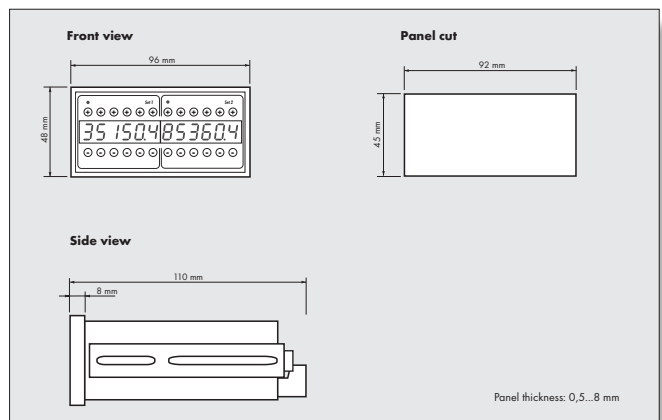
### OPERATING CONDITIONS

Connection: connector terminal board, conductor section up to 2,5 mm<sup>2</sup>  
 Stabilization period: within 15 minutes after switch-on  
 Working temperature: 0°...60°C  
 Storage temperature: -10°...85°C  
 Covering: IP42, upon request IP64 (front panel only)  
 Construction: safety class I  
 Electrical safety: EN 61010-1, A2  
 Overvoltage category: for pollution degree II  
 III. - instrument power supply (300 V)  
 II. - input, output (300 V)  
 EMC: EN 61000-3-2-A12; EN 61000-4-2, 3, 4, 5, 8, 11; EN 55022, A1, A2

## Connection



## Dimensions



## Order code

