

DIGITAL INDICATOR WITH ALARMS

Microvis +





Technical data

Housing:

Nylon, black colour

Dimensions:

96x48x78mm

Installation:

To panel, with mounting bracket (panel cut 92x45mm).

Connections:

Screw down terminal clamps

Storage Temperature:

-10÷60°C (relative humidity ≤ 90%)

Power:

24Vac / Vdc (20 ÷ 32 Vac / Vdc)

110÷240Vac - 15% ÷ +10% / 50-60Hz

Input:

Pt100, Cu50, Thermocouple (K,S,R,E,J,B,N), 0÷1V / 0÷5V / 0÷10V / ±10V / 0÷100Ω / 0÷400Ω

Optional input:

0 / 4÷20mA with power supply for two wire transmitter 24Vdc max. 25mA

Alternate current 0÷5A / Alternate voltage 0÷500V

Input signal retransmission (Optional):

0÷20 / 4÷20mA isolated (max. load 500Ω)

Resolution:

0.1°C for Thermocouples K,E,J,N and Pt100

1°C for Thermocouple S and R

0.001 for linear input

Accuracy:

±0,3% f.s. ±1 digit

Consumption:

≤0.5W

Temperature shift:

≤0.015% f.s / °C

Alarm (Optional):

4 SPST relay 2A@250Vac

Display:

Four 7 segments red digits for process value visualization

Four leds for alarms state (ALx / AUX)

Keyboard:

Polycarbonate, with 4 keys

Main specifications

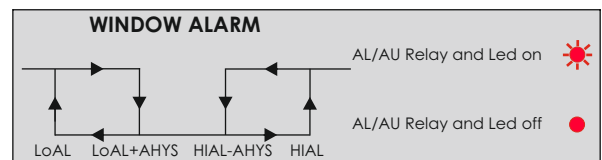
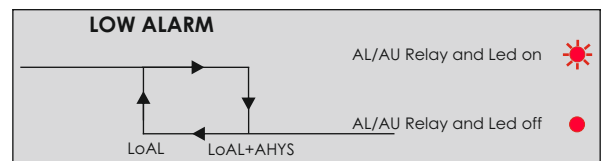
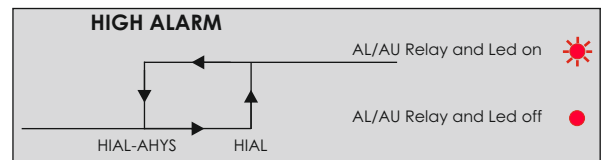
MICROVIS+ is an indicator/interceptor with 4 digit display of great flexibility and use. It is possible set the input type, the scale, the measure unit, the retransmission limit, the decimal point visualization, the alarms thresholds and their hysteresis. Programming parameters are protected by a password.

The plug-in modules, easy to install and auto-detect allow up to four alarms relays, PV retransmission and transmitter power supply.

Alarms functions

As option it is possible install one or two alarms modules.

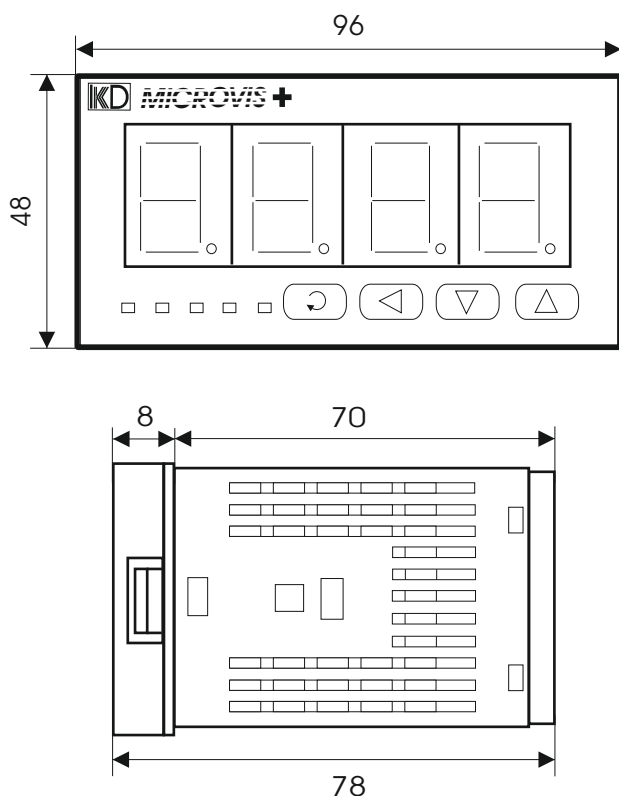
Every module can manage two relay alarms: AL1 / AL2 or AU1 / AU2. The alarms can be set as Low, High and Window.



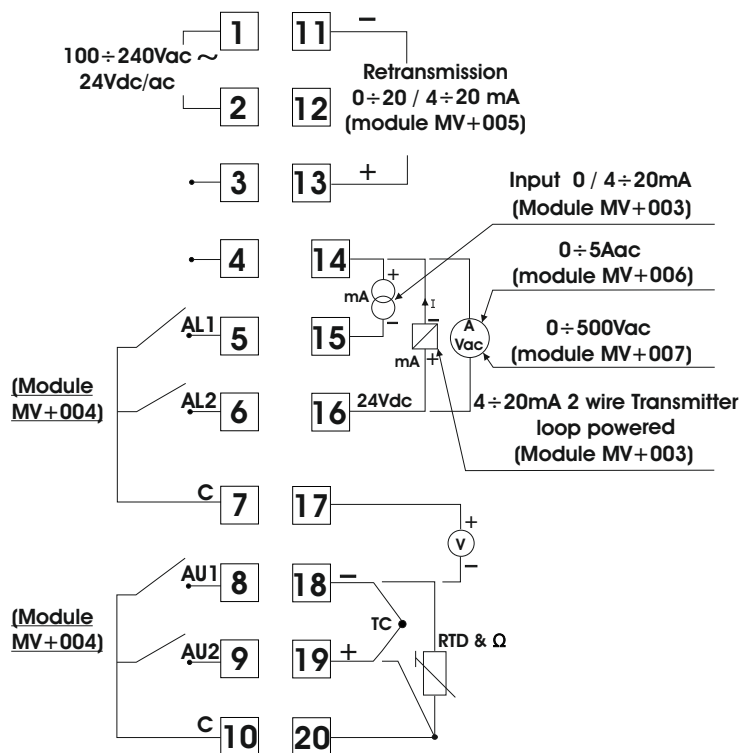
Inputs

Input type	Range
K	0 ÷ +1300°C
S	0 ÷ +1700°C
R	0 ÷ +1700°C
E	0 ÷ +1000°C
J	0 ÷ +1200°C
B	200 ÷ +1800°C
N	0 ÷ +1300°C
Pt100	-200 ÷ +800°C
Cu50	-50 ÷ +150°C
Linear input	-1999 ÷ +9999°C

Overall dimensions in mm



Connections



Order code

MV+001: Microvis+ basic model with power supply 110 ÷ 220Vac

MV+002: Microvis+ basic model with power supply 20 ÷ 32Vac / Vdc

Optional modules:

MV+003: 0 / 4 ÷ 20mA input (24Vdc power supply for two wire transmitter) (can not used with the modules MV+006 and MV+007)

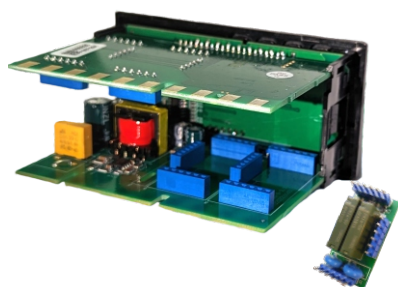
MV+004: 2 SPST alarm 2A@250Vac (this module can be also used for AUX alarms)

MV+005: 0 / 4 ÷ 20mA isolated retransmission

MV+006: 0 ÷ 5A alternating current input (can not used with the modules MV+003, MV+007)

MV+007: 0 ÷ 500Vac alternating voltage input (can not used with the modules MV+003, MV+006)

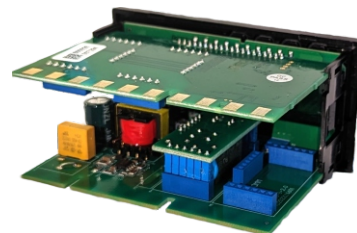
The optional module are easily installable thanks to interlocking system connection.



Without module MV+004



Relay module MV+004



With module MV+004 installed

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