MICROVIS + devices series warranty

Customer's name: Address: Phone No.:	
Dealer's name: Address: Phone No.:	
Guarantee period:	12 months
Date of purchase:	

Previsions for Free Repair

- 1. If the unit does not work properly despite the fact that the customer used it properly and in line. With the User's Manual, the unit shall be repaired free of charge through the distributor from which the unit was purchased.
- 2. If the customer requests free repair because of trouble within the warranty period, bring or send the unit along with the warranty to the dealer. A service charge may be added if a repair person must be sent out to the place of use for repair.
- 3. If you have moved after purchasing, or there are some difficulties contacting the shop from which you purchased the unit, please contact us directly for service.
- 4. Free repair is not available in the following cases even though it is within the warranty period:
- a:Trouble or damage was caused by careless operation, natural disaster, fire, public pollution, or use of a power source other than specified.
- b: If repair, adjustment, disassembly or modification of the unit has been carried out by a person other than a Italcoppie Sensori authorized engineer.
- c:Trouble or damage was caused by transportation, movement or dropping of the unit after purchase.
- d:Failure to submit the Warranty or failure to fill in all items required in the Warranty. 5. The Warranty cannot be reissued. This Warranty only promises customers free repair within the period and conditions clarified in this warranty. Therefore, the customer's legal rights will not be limited by this Warranty. For further information on repair and other service questions after the termination of the warranty period, contact your





USER'S MANUAL

DIGITAL INDICATOR WITH ALARMS MICROVIS+ SERIES

PLEASE CHECK ON WWW.ITALCOPPIE.IT WEB SITE IF IT'S AVAILABLE AN UPDATED VERSION OF THIS MANUAL

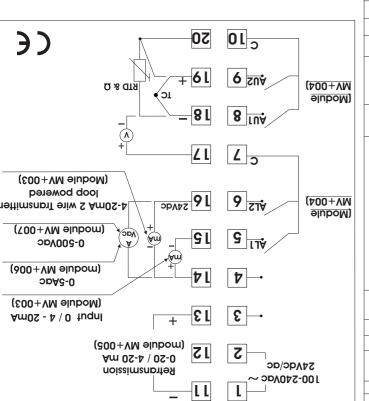


December 2013 Rev.6

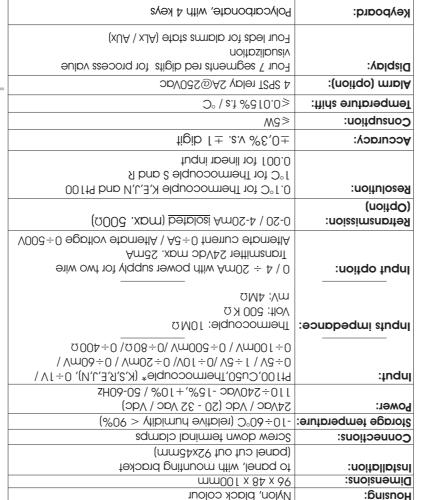
http://www.italcoppie.it Tel: +39 0372-441220 26030 Malagnino (CR) ITALY Via A. Tonani, 10 ızaıcobbie seusou



IKD IS AN ITALCOPPIE SENSORI TRADEMARK



■ Connections



Technical data:

Notes about this user's manual

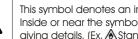
- -Please read this manual carefully before using the product.
- -All rights of this User's Manual belong to Italcoppie. It is prohibited to use, duplicate and/or arrange a part or whole of this User's Manual without the permission of Italcoppie.
- -Please follow the safety precautions carefully. We can not guarantee nor are we responsible for safety if this product is used in any manner other than was
- -Italcoppie accepts no responsibility for any malfunction of and/or trouble with this product or with your computer that is caused by the improper handling of this product and will deem such trouble or malfunction as falling outside the conditions for free repair of the attached warranty.
- -Italcoppie accepts no responsibility for any result or effects from using this User's Manual.
- Figures and illustrations in this manual may be slightly simplified and may differ from the actual product.
- -We sincerely hope that the contents of this manual are true and complete. If you find any information to have been omitted, or if the information within is confusing or mistaken please, contact your retailer or

Safety Precautions and Instructions *Please carefully observe the following safety measures when using our product

In order to avoid lesions or damages to the customers, thirds party and/or the properties and in order to guarantee the correct use of the product, it is demanded, before using the product, to read carefully, to comprise and to observe the precautions and the rules of emergency to take of continuation.

[Explanation of the warning symbols]

L 1	3 -71
<u>ADANGER</u>	These entries are actions that absolutely under no circumstance should be taken. The taking of such an action may cause serious personal physical damage or death.
CAUTION	These entries are actions that if taken may lead to physical injury or damage to persons or things.



This symbol denotes an important warning or caution. Inside or near the symbol will appear another symbol giving details. (Ex. A Stands for ELECTROCUTION)



This symbol denotes a forbidden action. Inside or near the symbol will appear another symbol giving details. (Ex. \(\mathbb{\mathbb{N}} \) stands for DO NOT TAKE APART)



This symbol denotes an action that you must take. Inside or near the symbol will appear another symbol giving details. (Ex.) Stands for TAKE PLUG OUT OF SOCKET)



Do not take apart, repair or modify the main unit. It may cause fire, electrocution or damage. For any problem ask to Italcoppie sensori.



If any smoke or strange smells are emitted from the unit, immediately cease using it. Continued use may cuase fire, electrocution or damage.



Do not use the device in the place subject to flammable or explosive gas.

To make sure that to that on the nameplate. To make sure that the supply voltage is correspondent to



If there is a danger or a serious writer real protection equip the apparatus of a appropiata external protection



if water or foreign bodies penetrates into the covering, interrupt immediately the use



The unit is planned in order to only work in industral



Italcoppie sensori is not responsable for eventual disadvantages or malfunction caused from the use of this product or for any other problem provoked from the malfunctioning of the unit. Before using the product, carefully estimating eventual correlated risks.



This product has been planned exclusively for industrial applications and are not destined to the use in situations in which it is necessary to observe rigid safety precautions, as an example for applications directly or indirectly correlated to medical equipment.



Do not drop or expuse in a sum of the last temperature and the last tem Do not drop or expose the unit to a strong impact.



The safety normative require a power supply line switch to cut a device power supply. As ulterior security, insert a protection delayed fuse (T1A 250Vca).



This unit doesn't have parts that can be repaired.



The unit is class 2 and is intended to be assembled within an instrumentation panel.



The unit is not equipped with an ON-OFF switch, therefore will turn on immediately when power supply is applied.



The unit must be wired with appropiate cables with reference at the limited voltage and current values reported on this user's manual.



For correct using of this unit, during installation, take care to separate the signal cables with the power cables

Do not use or store the unit in places such as listed below. It may cause electrocution, fires or damages at the unit.



- Areas exposed to water or high-pressure water flow. - Areas exposed to organic solvents and corrosive gas.
- Areas exposed to strong magnetic fields.
 - Areas exposed to static electricity.

 - Areas exposed to fire or overheating.
- Areas exposed to excessive dust or smoke

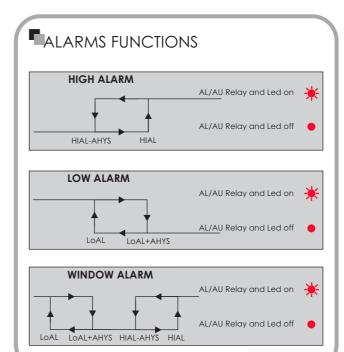
CONFIGURATION DESCRIPTION [Default value]

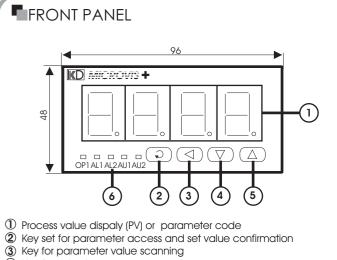
FIRST LEVEL Menù

Parameter	Name	Range	Description
HI RL	HIGH LIMIT ALARM	-1999÷9999 [3000]	Alarm ON when PV > HIAL; Alarm OFF when PV < HIAL - AHYS Note: PV (Process value)
LoRL	LOW THRESHOLD ALARM	1999÷9999 [-999]	Alarm ON when PV > LoAL; Alarm OFF when PV < LoAL + AHYS Note: PV (Process value)
HdRL	SECOND HIGH LIMIT ALARM	-1999÷9999 [3000]	Alarm ON when PV > HdAL; Alarm OFF when PV < HdAL - AHYS Note: PV (Process value)
LdRL	SECOND LOW LIMIT ALARM	-1999÷9999 [-999]	Alarm ON when PV > LdAL; Alarm OFF when PV < LdAL + AHYS Note: PV (Process value)
Loc	LEVEL 2 PASSWORD	0÷9999 [0]	LOC from 0 to 3: allowed to modify field parameters LOC from 4 to 255: only "Loc" parameter can be modified LOC= 808: it is possible modify the second level parameters menu

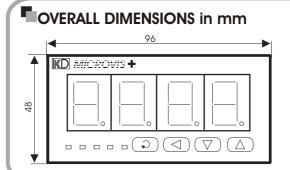
SECOND LEVEL Menù

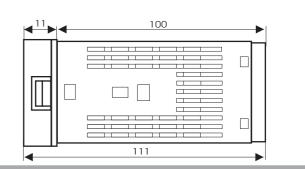
Parameter	Name	Range	Description				
RXY5	ALARM HYSTERESIS	0÷200 [2.0]	Avoid frequent alarm on-off action because of the fluctuation of PV. For temperature alarm, it is raccommended to be 0.5 ÷ 2°C. For more information see "Alarms Functions".				
		0 ÷ 4444 [4321]	Alarm Out Disabled AL1	LdAL (x1000) 0	HdAL (x100) 0	LoAL (x10) 0	HIAL (x1) 0 1
ROP	ALARM OUT SET	Note: ForAL1and AL2/AU1and AU2 (auxiliary)alarm out is necessary installing the	Show that I	HdAL and LdAL			2 3 4 has no output,
l nP	INPUT	0 ÷ 37 [0]	HIAL is cond In. Input ty 0 K 1 S 2 R 3 Spare 4 E 5 J 6 Spare 7 N	8÷14 Spar 15 4÷2i 16 0÷2i 17÷19 Spar 20 Cu50 21 Pt10 22÷25 Spar	Input type e 0mA (option) 0mA (option) e 0	In. Input type 27 0÷400 om 28 0÷20mV 29 0÷100mV 30 0÷60mV 31 0÷500mV 32 100÷500n 33 1÷5V 34 0÷5V	hhs 35 0÷10V 36 2÷10V 37 0÷20V
dPŁ	DECIMAL POINT	0/0.0/0.00/0.000 [0.0]	It is possible set four formats: 0, 0.0, 0.000; for thermocouple and RTD input it is possible select only 0 and 0.0 formats. For linear input, if the PV value is greater than 9999 it is recommended set the format 0.000.				
5EL	SIGNAL SCALE LOW LIMIT	-1999 ÷ 9999 [0.0]	Lower scale limit for linear input and retransmission output. Ex: A 4 - 20mA signal input can be showed between 0 - 200.0 if dPt= 0.0 SCL= 0, SCH= 200.0				
5EH	SIGNAL SCALE HIGH LIMITT	-1999 ÷ 9999	Higher scale limit for linear input and retransmission output. Ex: A 4 - 20mA signal input can be showed between 0 - 200.0 if dPt= 0.0 SCL= 0, SCH= 200.0				
5cb	INPUT SHIFT ADJUSTMENT	-1999 ÷ 4000 [0.0]	This parameter can be used to compensate the error produced by sensor or from the input signals.				
FILE	INPUT FILTER	0 ÷ 40 [1]	This parameter define the digital filter of the input signal. When a high value is set, the measurement input is stabilized but the response speed is low. It is recommended set a value between 1 and 3.				
OPŁ	OUTPUT TYPE	 [0÷20]	0÷20mA linear current retransmission output 4÷20mA linear current retransmission output				

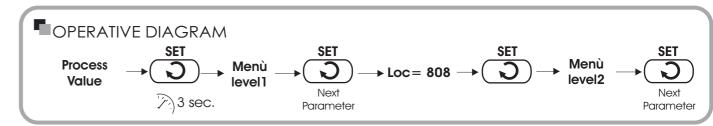




- (4) Key for value increase
- **5** Key for value decrease
- 6 Led: OP1 current retrasmission state. AL1, AL2, AU1 and AU2 alarms



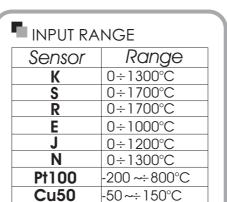




PARAMETER SETTING

To enter in the FIRST LEVEL menù, press the SET key for 3 seconds; will be displayed the first programming parameter and the respective value; use the UP ARROW and DOWN ARROW keys to modify the parameter and the SET key to store and jump to the next parameter. The parameters can be changed only if a correct password has been set in the Loc parameter.

To enter in the SECOND LEVEL, press the set key for 3 seconds; scanning the parametrs up to loc with set key, set 808 into loc parameter and press SET. The procedure to show and setting the parametesr is the same of first level menù, above descripted.



Input linear -9990~30000°C



It is possible install different optional modules: alarms relay, auxiliary relay, 4-20mA isolated retransmission, 0-5A alternating current input, 0-500Vac alternating voltage input. For the installation see the user's manual inside the package.

