

LMZ04 - LMZ04R

microprocessor control





TECHNICAL DESCRIPTION

The LMZ04 microprocessor control has been designed and realized for the use on various kind of production machines operating at high speed.

Its design and versatility make it ideal whenever a production process requires that manufactured products need precision applications of cold glues by means of programmable glue valves.

The control unit can store up to 99 different gluing pattern programs and may operate up to four independent glue valves (channels), each one having the possibility to produce four or eight different glue patterns.

The glue valves may deposit glue lines or glue dots up to a programmed speed at which dots will, automatically, convert to lines.

The design of the control can be used with two different modes:

- encoder mode: with the use of a machine speed detector (encoder) whenever machines may run at variable speeds;
- timer mode: without encoder, if the production machines are designed to run at constant speed.

The control panels allows a more flexible and adaptable installation on many different machines. The power side of the microprocessor control is separated from the control side thanks to a compact and comfortable adjustable monitor that can be placed directly on the machine.

The features of the LMZ-R remote panels remain unchanged compared to the LMZ microprocessor controls, with the possibility of integrating the wi-fi connection for remote control.

APPLICATION FIELDS

- | packaging
- | paper converting
- | case maker
- | printing machine
- | tobacco and wood industry
- | assembly
- | other

WORKING MODELS

- | encoder
- | timer

PROGRAMMABLE VERSIONS

- | packaging
- | collator



TECHNICAL DATA

power supply

Supply voltage	Single phase 230Vac $\pm 10\%$
Frequency	50/60 Hz
Connected output	250 W

input

Start sensors	4
Encoder	1
Reset	1
Glue level	1
Voltage	+24 Vdc
Type	pnp

output

Glue valves (channels)	4
Voltage	+ 24/48 Vdc
Max power for each channel	25 W
Proportional valve	1
Type	0÷20 mA
Aux output (Nr.1)	Glue level Shutter Aux1 Aux2
25 poles multi-connector for valves	1
Switching voltage	24 Vdc
Max current	0,5 A

data connection

Ethernet plug	1
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machine features

Max machine speed	700 m/min
Application accuracy	± 1 mm
Max glue pattern programs stored	99





operating conditions

Temperature	0÷50°C
Relative humidity	20÷60%

weight

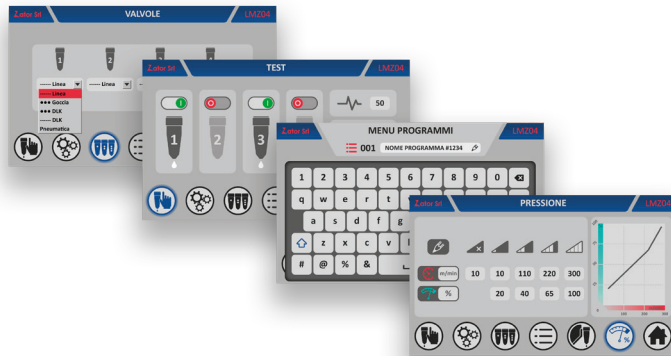
6 kg

display

Dimension	7" TFT
Resolution	800 x 480 pixels
Brightness	350 cd/m ²
Contrast	500:1
Touch type	4 wires resistive
Power consumption	250 mA @ 24V
Frontal protection	IP 65



FEATURES



touch screen panel

You won't need any other devices to operate on the instrument. Just use your fingers.



integrable wi-fi router connection

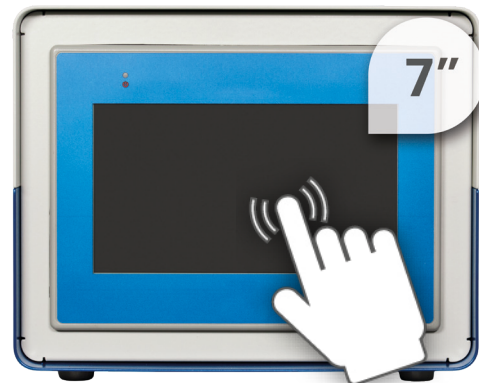
Connect with wi-fi your mobile devices* like smartphone or tablet to the control to remotely control in real time the production and make any corrections to the program.

**Available for Android and iOS devices.*



more simple.
more intuitive.

The design of the graphic interface lets to the user to speed and simplify the learning of the basic functions of the instrument.



3D view programming menu

You can keep an eye on all the glue patterns data, simplifying the reading and preventing possible mistakes during the programming.



multi-languages text

Select your desired language and start programming.

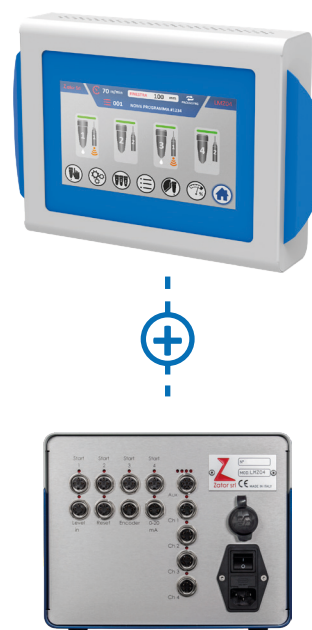


MODELS

code	description
LMZ04	<ul style="list-style-type: none">• Programmable configuration in packaging or collator version• 99 programs stored• Application precision ± 1 mm @ 700 m/min• Working models: encoder or timer mode• 7" Touch screen panel TFT-800X480• Power supply 220 Volt, 50 Hz• Software SFT00200 included <hr/> <p>Inputs:</p> <ul style="list-style-type: none">• 4 photocells, 1 encoder• 1 glue reset, 1 glue level sensor <hr/> <p>Outputs:</p> <ul style="list-style-type: none">• 4 independent channels (valve)• 1 nozzle shutter• 1 proportional valve control (0-20 mA)• 1 level glue output• 2 optional free output



code	description
LMZ04R	<ul style="list-style-type: none">• Remote control panel with 7" Touch screen TFT- 800x480 and electrical box• Programmable configuration in packaging or collator version• 99 programs stored• Application precision ± 1 mm @ 700 m/min• Working modes: encoder or timer mode• Power supply 220 Volt, 50 Hz• Software SFT00200 included <hr/> <p>Inputs:</p> <ul style="list-style-type: none">• 4 photocells, 1 encoder• 1 glue reset, 1 glue level sensor <hr/> <p>Outputs:</p> <ul style="list-style-type: none">• 4 independent channels (valve)• 1 nozzle shutter• 1 proportional valve control (0-20 mA)• 1 level glue output• 2 optional free output





additional hardware available

code	description	
HRD00100	WI-FI router connection	

available optionals

code	description	
ZLM04001	LMZ04R standard kit connectors	



*Adjustable bracket
for panel*



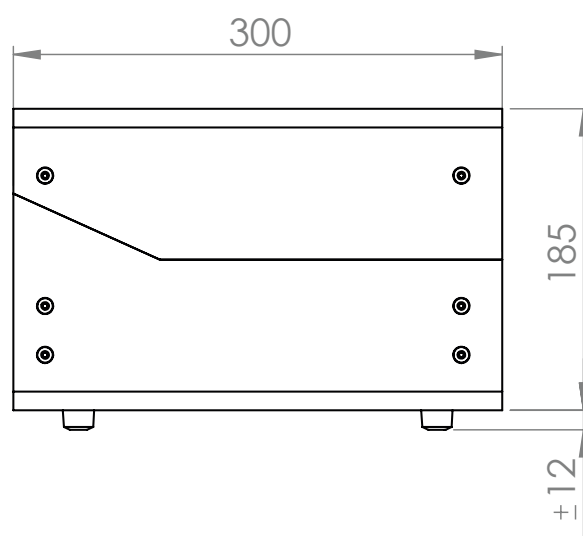
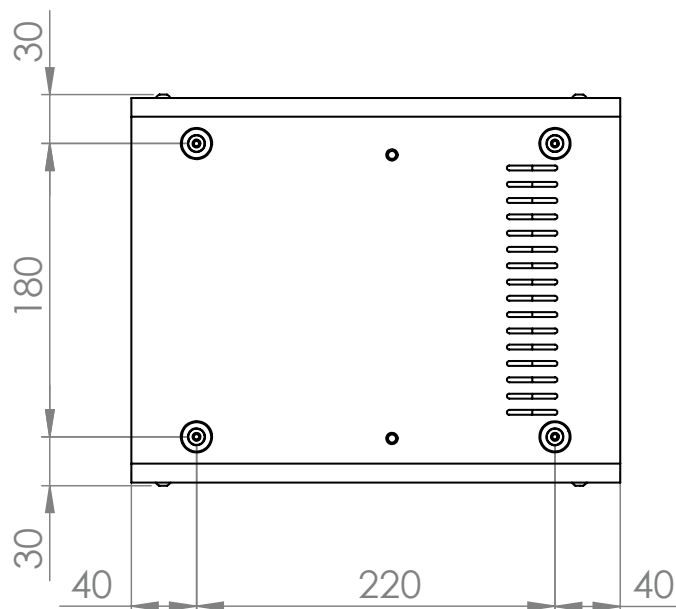
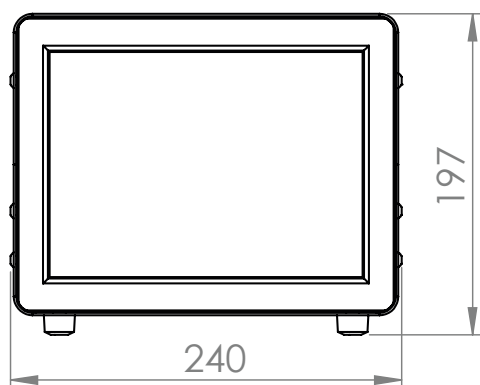
Stand



Tray



DIMENSIONS



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Datasheet
LMZ04-LMZ04R_v02

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