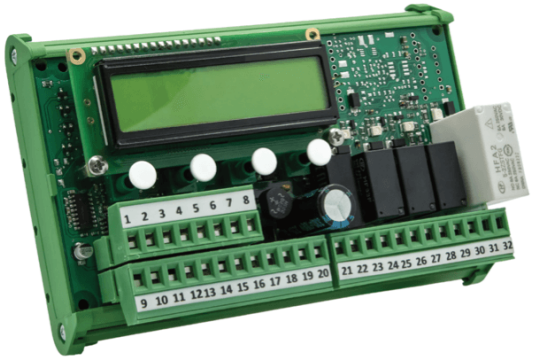
Electronic Overload Guard **LC 330**

General information

PWS40520261107

The load limiter LC 330 is an electronic instrument compact and reliable, compliant to the safety regulations EN 13849-1 PL d / EN 62061 SIL 2, designed for to prevent overloads and to ensure the safety of the operators. It is equipped with: 2 inputs independent for load cells (single or dual bridge). Display LCD backlit to 2 lines x 16 characters. Keypad to 4 mechanical keys for calibration and configuration quick. Terminal blocks extractable for to simplify wiring and maintenance. Function adder up to 4 units connected (via RS485 or RF optional). Relay of safety to contacts guided for blocking and alarms.



Technical Manual: lc-330_technical_manual.pdf

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

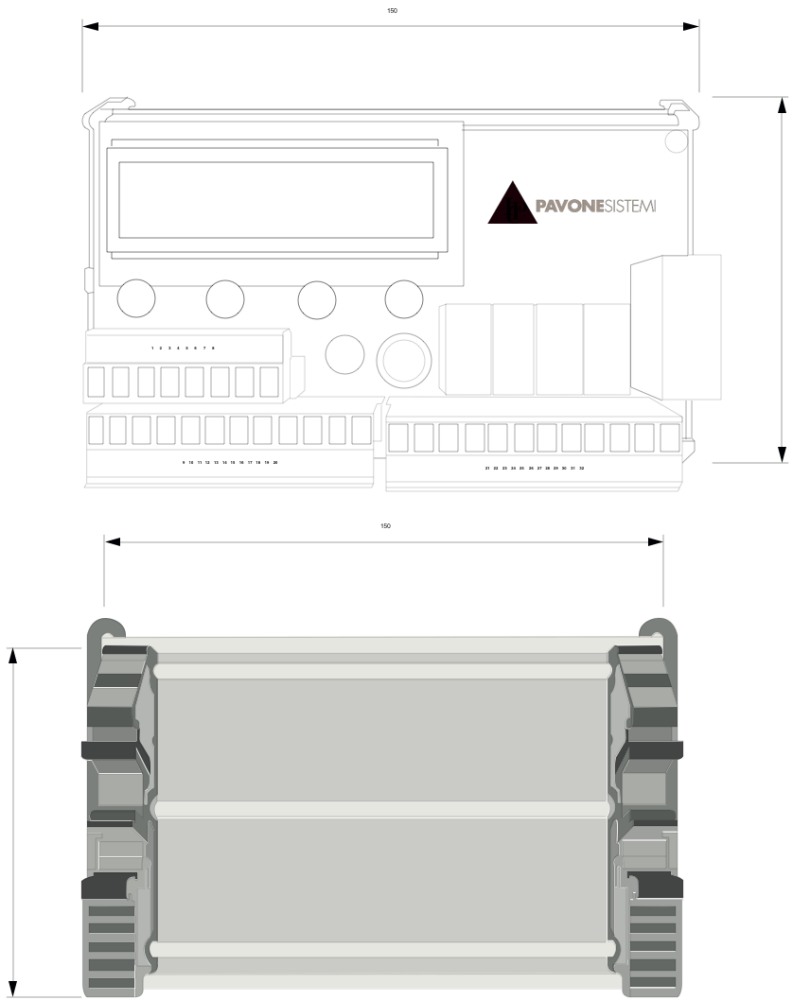
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Industrial Electronic Weighing Systems since 1963

Technical specifications

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Measuring range:	-3,9 ÷ +3,9 mV/V
Internal Resolution:	24 bit
Linearity:	<0,01% full Scale
Gain drift:	<0,002% FS / °C
Filter:	0,25 ÷ 3 Hz selezionabile
Display:	LCD display with backlight 2 x 16 character
Keyboard:	4 mechanical keys
Number of connectable load cells:	Max 8 cells from 350 Ohm (single/dual bridge)
Voltage power cell:	4 Vdc short-circuit protected
Logic inputs:	2 optoisolated inputs
Logic output:	1 safety interlock relay, 2 limit relays, 1 alarm relay
Rated load RL:	2A – 30Vdc/250Vac
Analog optional output:	0–10 V / 0–5 V o 0–20 mA / 4–20 mA, 16 bit
Output linearity:	0,03 % full scale
Temperature drift analog output:	<0,002 % full scale/°C
Communication interfaces:	RS232, RS485, Optional RF (868 MHz)
Flash memory:	128 KB Flash + 32 KB EEPROM (expandable to 256 KB)
Microcontroller:	ARM Cortex M0+ 32 bit
Power supply:	20 ÷ 50 Vac/Vdc, 6 VA
Isolation:	Class III
Power consumption:	6 VA
Temperature range:	-10 ÷ +50°C (max 85% humidity without condensation)
Storage temperature:	-20 ÷ +60°C
Material:	Polyamide 6.6 UL 94V-0 flame retardant
Electrical connection:	Removable screw terminals with 5.08mm pitch and RJ45, USB A and B communication ports
Dimensions:	140 × 93 × 65 mm (Enclosure) / 90 × 72 mm (Circuit board)
Mounting type:	Fixing with 4 screws or on support for DIN bar or OMEGA bar 35 mm
Regulatory compliance:	EN61010-1, EN61000-6-2, EN61000-6-3, EN13849-1, EN62061 SIL

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