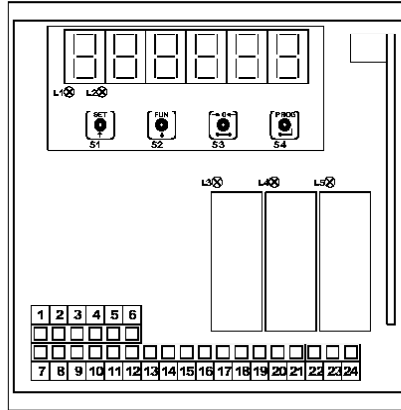
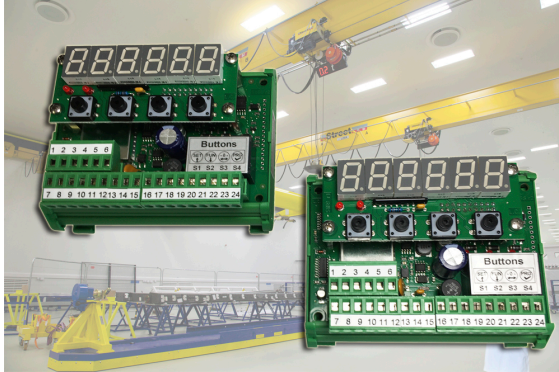


## DIGITAL LOAD LIMITING DEVICE FOR LIFTING SYSTEMS CSLL-2



- 1 = - EXCITATION LOAD CELL
  - 2 = + EXCITATION LOAD CELL
  - 3 = + SENSE LOAD CELL
  - 4 = - SENSE LOAD CELL
  - 5 = - SIGNAL LOAD CELL
  - 6 = + SIGNAL LOAD CELL
  - 7 = SERIAL RS232 TX
  - 8 = SERIAL RS232 RX
  - 9 = SERIAL GND
  - 10 = SERIAL RS485 TX/RX +
  - 11 = SERIAL RS485 TX/RX -
  - \*12 = 7FRONT INPUT
  - 13 = COMMON INPUT
  - 14 = + POWER SUPPLY 12/24 VDC
  - 15 = - POWER SUPPLY 12/24 VDC
  
  - 18 = COMMON RELAY 1
  - 19 = N.O. RELAY 1
  - 20 = COMMON RELAY 2
  - 21 = N.O. RELAY 2
  - 22 = COMMON RELAY 3
  - 23 = N.O. RELAY 3
  - 24 = N.C. RELAY 3
- \*A+B+C+D e DS = NET WEIGHT INPUT

Device suitable for back panel mounting or in junction box with Omega/DIN rail. Dimensions 115 x 93 x h 65 mm. Six-digit Display, 7 segment LED (14 mm high).

- Load cells connections continuous check.
- Three alarm threshold (setpoint on gross weight) normally closed.
- Decimal points: from 0 to 3.
- Net weight function via external contact (CSLL-2 A+B+C+D ; CSLL-2 DS). - RS485 / 232 output for connection to:

CSLL-2 A+B+C+D: PC/PLC (monodirectional) or remote displays. CSLL-2 DS: PC/PLC (monodirectional).

**THEORETICAL CALIBRATION is performed via the keyboard.**

**A+B+C+D:** Version to limit the load in a two-weighing system (A, B, C, D). Two or more CSLL-2 devices connected via RS485 are employed. Each device has 3 setpoints; the Set2 and Set3 change when the weight displayed on the instrument exceeds the set value, while the Set1 changes when the total weight of the instruments exceeds the set value. It is also possible to display the total weight (A+B+C+D) by means remote displays.

**DS:** Version to limit the load in dual safety redundant systems (personnel lifting) that employ ONE LOAD CELL WITH TWO INDEPENDENT WHEATSTONE BRIDGE (TWO CABLES). Two CSLL-2 devices connected via RS485 are employed. Each device monitors two alarm thresholds and a threshold related to the difference of the two weights measured.

TECHNICAL FEATURES	
POWER SUPPLY AND CONSUMPTION	12 - 24 VDC +/-15% ; .4A
NUMBER OF LOAD CELLS IN PARALLEL	max 4 (350 ohm)
LOAD CELL SUPPLY	5 VDC / 60 mA
LINEARITY	< 0.01 % Full Scale
THERMAL DRIFT	< 0.001 % F.S./°C
MAX. DIVISIONS	+/- 99000
DISPLAY RANGE	+/- 60000
MEASURE RANGE	min +/- 2mV ; max +/-19.5 mV
DIGITAL FILTER - CONVERSION RATE	0.1 - 10 Hz ; 10 / sec.
DECIMALS - DISPLAY INCREMENTS	0 - 3 ; 1 x 2 x 5 x 10 x 20 x 50 x 100
LOGICAL OUTPUTS	n. 3 , 24 VDC/VAC , 0.5 A
LOGICAL INPUTS	n. 1
SERIAL PORTS	RS485 / RS232
HUMIDITY (condensate free)	85 %
STORAGE TEMPERATURE	- 20°C + 60°C
WORKING TEMPERATURE	- 10°C + 50°C

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