

LC1111 / LC1111(DC)

PLUG-IN TYPE LOAD CELL CONVERTER



Specifications

Excitation voltage	DC 5 V±5% Output current: Within 60 mA (Up to 4 350 Ω load cells can be connected in parallel.)
Zero adjustment range	±0.4 mV/V (at bridge resistance 350 Ω) 20 turn trimmer potentiometer Expandable by external resistance connection if the above range is exceeded.
Gain adjustment range	0.6 to 1.4 mV/V (HI range) 1.3 to 3.2 mV/V (LO range) Range selectable with the internal jumper.
Accuracy	Non-linearity: Within 0.02% FS Zero drift: Within 1 μV/°C RTI Gain drift: Within 0.01%/°C Noise: Within 1 μVp-p RTI (2 Hz)
Output signal	Voltage output: 0 to ±10 V Load resistance: 2 kΩ or more Current output: 4 to 20 mA Load resistance: 500 Ω or less
Low-pass filter	Low-pass filter (-6 dB/oct.) 2 Hz/3 dB
Calibration value	1 mV/V
Power supply voltage	AC 100 V (±10%) 50/60 Hz It specifies DC 12 to 24 V (±15%) (LC1111 (DC)) at time of order.
Power consumption	AC spec: 2 VA typ. DC spec: 2 W typ.
Operating conditions	Operation temperature: -10 to +40°C Humidity: 85% RH or less (non-condensing)
Dimension	38(W) × 93.5(H) × 50(D) mm (Not including projections)
Weight	Approx. 300 g
Attachments	Special-purpose socket1 Fixing spring1 Adjusting screwdriver1 Operation manual1

- Compact type: 38(W) × 93.5(H) × 50(D) mm
- Built-in excitation voltage. Up to 4 350 Ω load cells can be connected in parallel.
- Current output of 4 to 20 mA
- Simple design for a wide variety of applications and instrumentations.

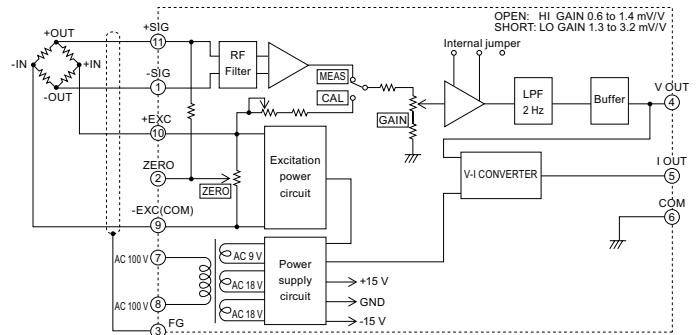
Structure of product code



① Standard unit

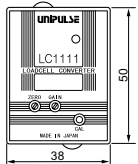
Model	Power supply voltage
LC1111	AC 100 V
LC1111 (DC)	DC 12 to 24 V

Internal block diagram

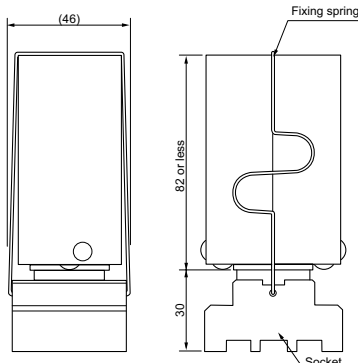
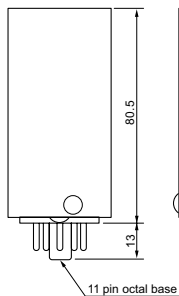


External dimension

(Top)

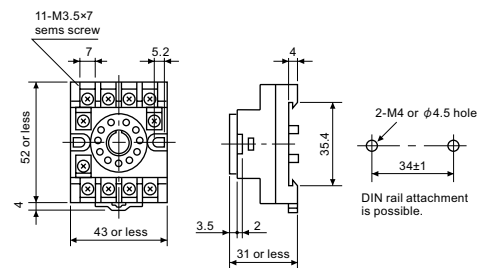


(Side)



State in which the fixing spring is mounted

Socket



Unit: mm