



LOAD CELL & RTD PROTECTOR

Specially design to protect load cells, weighbridge, 3 and 4 wire RTD sensors, strain gauge sensors, and the measuring instrument of the weighbridge against surges and transients on system cabling

- ◆ Fully compatible with all load cells, RTD sensors, strain gauge sensors
- ◆ All mode protection
- ◆ Multi-stage design offers exceptional safety
- ◆ Waterproof design for harsh environment
- ◆ Failsafe design
- ◆ Easy installation & maintenance
- ◆ Five years warranty



Fully compatible with all load cells, RTD sensors, strain gauge sensors - LEPS LCP series of load cell & RTD protectors have different models that meets different surge protection applications. They are design not to impair the signal transmission and calibration of the electronic instrumentation.

All mode protection -Surges that appear between line to line, line to screen and line to earth can easily damage the sensitive digital load cell, strain gauge sensors, LCP offers all mode and repeated protection.

Multi-stage design offers exceptional safety -LCP series are multi-stage design which employed sophisticated hybrid circuitry by using a combination of high energy gas discharge tube, ultra fast diodes and SAD which ensures excellent protections without impeding normal operation.

Waterproof design for harsh environment -LCP protectors features a weatherproof ABS enclosure with gasketed cover which makes it suitable

to be used in any harsh outdoor environment.

Failsafe design -LCP protectors are designed to convert into a failsafe mode in the rare case of a catastrophic surge or lightning event and disconnects the line from sensitive equipment.

Easy installation & maintenance - The wiring are done by a plugable terminal strip for easy installation and maintenance. The protectors can be easily secured onto any flat surface by the external screw holes

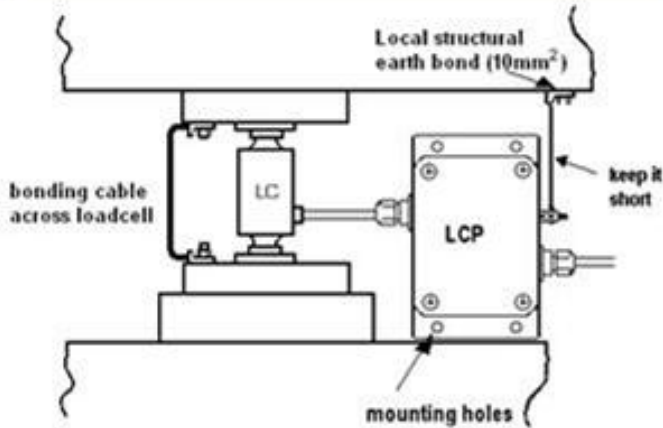
Five years warranty -All LEPS protectors are tested to comply with many international safety standards and with five years warranty.





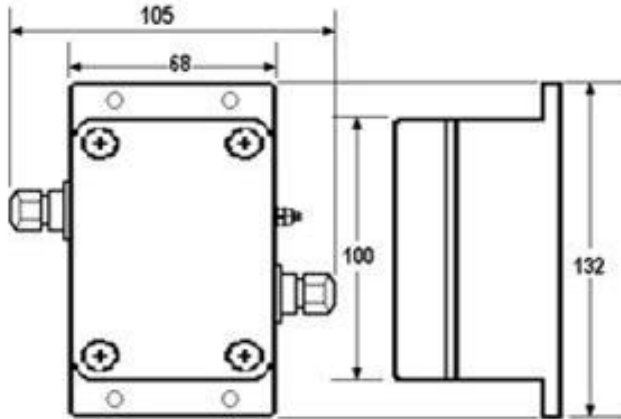
SPECIFICATIONS and DRAWINGS

Installation



For detail installation requirements, pls refer to relevant user manual.

Dimensions



Ordering Information

MODEL	MAX. WORKING VOLTAGE	LET-THROUGH VOLTAGE	DESCRIPTION
LCP-V12	17V	23V	Load
LCP-V24	34V	43 V	Cell & RTD Protector

Notes:

- (1) The suffix of the model number represents the working voltage , e.g. V12 has 12V nominal working voltage.
- (2) Other special voltage is available on requested

General specifications

Max working voltage:	see ordering information
Max load current:	300mA
Protection modes:	common and transverse
Protection stages:	3 stages
Lines protected:	4 or 6 wires, plus screen and earth
Earth leakage current:	5 μ A
Response time:	5ns
Max surge rating:	20KA (8/ 20 μ s)
Let through voltage:	see ordering information
Capacitance:	50pf
In line resistance:	3.9 Ω
Standards compliance:	BS6651-1999 Cat.A.B.C AS1768-2003 Cat.A.B.C IEC 61643-21 ITU (CCITT) 1X K17 Cp33-1996 Cat.A.B.C UL497B
EMC compliance:	BS EN 50082-2: 1992
Conenctor type:	Plugable terminal strip
Earth connection:	M5 Stud
Enclosure material:	ABS
IP-rating:	IP66
Mounting:	external screw holes
Operating temperature:	-40-85°C
Humidity:	0-95% (RH)
Altitude:	0-3650m
Weight:	LCP-ALL MODELS 220g