

# LPK Lightning Protection Unit

Protects your weighing system from lightning



## Complete Protection From Lightning

- Protects people and facility
- Protects Loadcells
- Protects weighing instruments
- Provides power-line surge protection

Electronic scales in industrial environments are very sensitive to electrical disturbance as they measure very low-level signals. In addition, electronic scales in an open environment are at risk from lightning strikes and surge voltages. Especially truck and silo scales are very vulnerable to lightning strike effects. Therefore, lightning protection is necessary for these weighing systems.



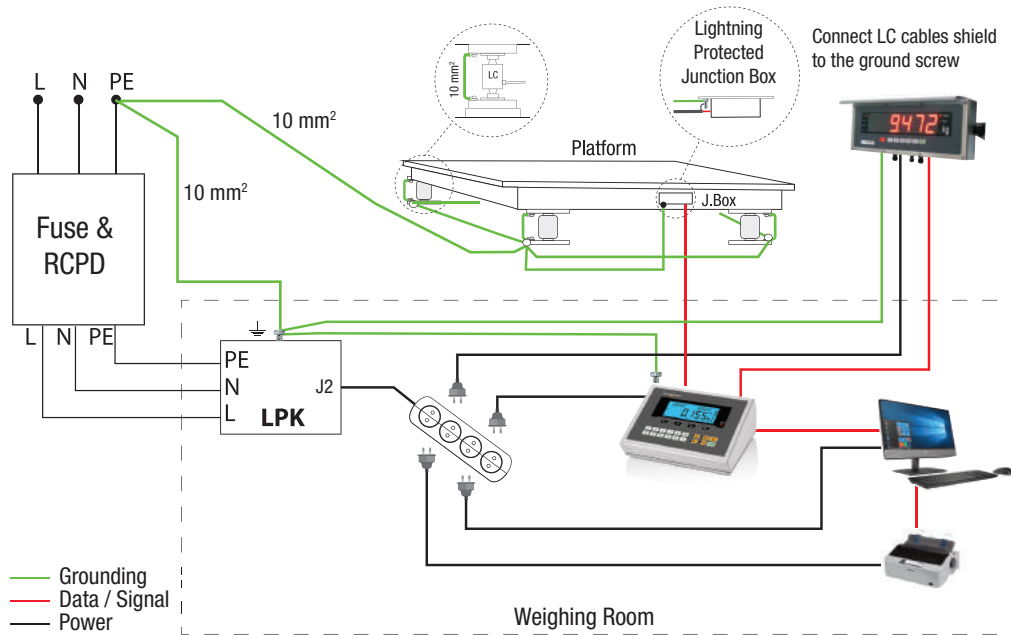
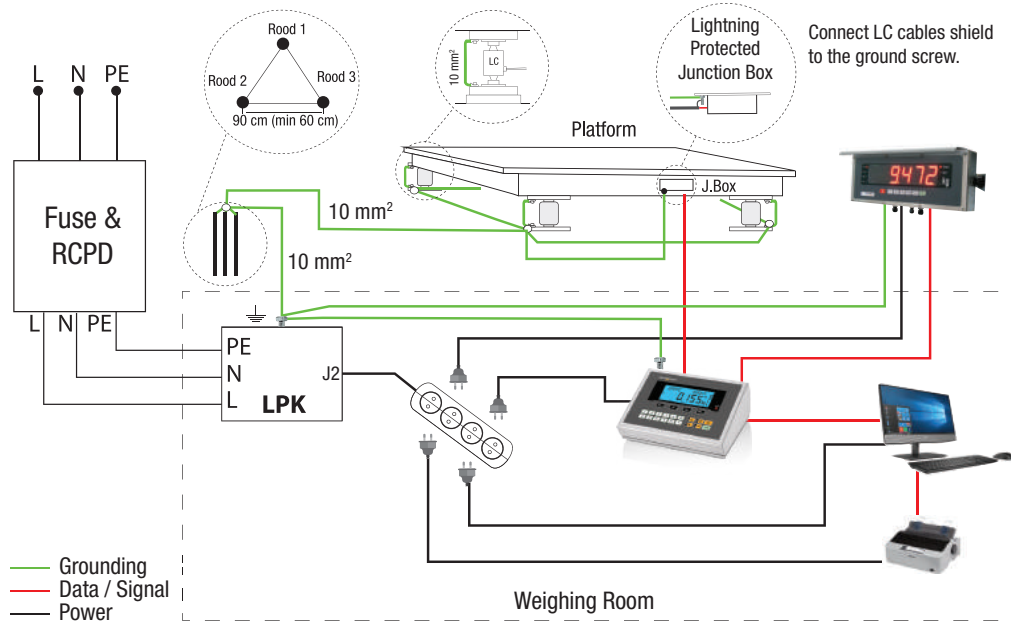
## Features

- Two-stage lightning protection circuit as warning lamps and an audible alarm.
- Maximizes uptime
- Easy installation
- Audio-visual fault monitoring
- IP67 rated housing

The cost of weighing instruments damage caused by lightning strikes is much more than the protection system cost. Also, the product cost that doesn't get weighed should be added to the total cost.

LPK lightning protection unit, with an affordable cost, provides complete protection against all these effects and maximizes your uptime.

# LPK to Scale Connection Diagrams



## Technical Specifications

Operating voltage	100 - 240 VAC
Max. output current	10 A
Max. discharge current ( $I_{max}$ (8/20 $\mu$ S))	10kA for LPK-10 20kA for LPK-20
Voltage protection level (UP) < 1000	< 1000 volt
Operating temperature range	Between -10°C and +85°C
Enclosure protection rate	IP67
Enclosure material	ABS plastic
Dimensions (L/W/H) mm	202.5 x 80 x 58.5 mm