

# Ground Lift Preventer

## What is a Ground Lift?

In a system, a ground lift usually refers to a current, generally unwanted, in a conductor connecting two points that are supposed to be at the same potential, often ground, but are actually at different potentials. Ground lifts created by improperly designed or improperly installed equipment are a major cause of noise and interference in many systems. They can also create an electric shock hazard, since ostensibly "grounded" parts of the equipment, which are often accessible to users, are not at ground potential. A ground lift in a system which connects circuits designed to be at the same potential but which are actually at different potentials can be hazardous, or cause problems with the electrical or electronic systems, because the electrical potential and soil resistance at different points on the surface of the Earth can vary. In a floating ground system, that is, one not connected to Earth, the voltages will probably be unstable, and if some of the conductors that constitute the return circuit to the source have a relatively high resistance, or have high currents through them that produce a significant voltage (I·R) drop, they can be hazardous.



## Solutions for Ground Lift:

Technic Ground Lift Preventer (Technic GLP) is professionally designed and manufactured to prevent Ground Lift issues. Technic GLP senses leakage voltage between neutral and ground and amplify the error signal through a comparator to provide a switching facility to prevent damages to valuable systems. Technic Ground Lift Preventer (Technic GLP) is specifically designed to protect systems from being damaged in Ground Lift conditions. Technic GLP is a quality product of Technic.

## Specifications:

Input :	230V AC 50Hz
Supply voltage range :	180V AC – 250V AC
Supply Current :	< 10 mA
Power Consumption :	< 2 watts
Auxiliary Supply :	Not Required
Relay contact :	5A Potential free. COM-NO-NC

Relay mode :	Relay ON at Reset or Power ON OFF at Ground Lift
Reset :	Auto Reset
Indications :	Mains ON - Green LED Grounded - Red LED
Mounting :	DIN Rail or Chassis Mounting
Dimension :	45mm x 76mm x 114mm
Weight :	400 gms. (approx.)

## Applications:

- Military Aerospace and Marine Systems
- Medical Instruments.
- Elevator Panels.
- CNC Machines.
- Computers & Peripherals

Manufactured in India by :-



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