Lucy Zodion

FORTRESS PS-COMPACT



AUTOMATIC ELECTRICAL ISOLATION SOLUTION
Part of the Fortress Passive Safe Range

The Fortress PS-Compact is a proven Passive Safe solution designed to automatically disconnect power following a vehicle impact. Installed within the protected asset, the compact, continuously monitored system uses impact sensor technology to isolate the affected circuit in less than 0.4 seconds, helping to reduce electrical hazards and improve safety for road users, emergency services and maintenance teams.

Its compact, ready-to-install design provides a simple and cost-effective solution ideal for localised protection.

BS EN 127 67 Compliant

Compact IP67 Enclosure

<0.4 Seconds Electrical Isolation



Low Voltage Impact Sensor

DESIGN & OPERATION

- BS EN 12767 Compliant
- Compatible with NE, LE & HE Passively Safe Columns
- Automatic Power Isolation Within 0.4 Seconds of Impact
- Manual Reset Prevents Accidental Re-Energisation
- Pre-Wired, Ready-to-Install Solution
- Compact IP67 Rated Enclosure
- CMS & Remote Monitoring Compatible
- LED Fault, Low Voltage & Sensor Diagnostics
- Simple Commissioning & Periodic Testing
- Clear Lid for Visual System Inspection
- Remote Impact Sensor Location up to 1km Away
- Single Circuit Design Rated to 10A

APPLICATIONS

Street Lighting Columns

Variable Message & Activated Signage

Feeder Pillars

Illuminated Signage

Traffic Signals

Illuminated Bollards

SPECIFICATION

Main Enclosure	Polycarbonate enclosure with clear inspection lid for non-invasive system inspection
Monitoring System	Continuously monitored impact sensor system with individual asset isolation
Electrical Disconnection Time	<0.4 seconds
Reset Method	Two-way system reset with manual intervention, to prevent inadvertent re-energising of circuits after system activation
System Diagnostics	LED indicators confirming if the system is fully operational or faults detected
IP Rating	IP67
Standard Compliance	BS EN 12767:2019+A1:2024 (Passive Safety) BS 7671:2018+A2:2022 (18th Edition Wiring Regulations)
Compatible Structures	Non Energy (NE), Low Energy (LE), High Energy (HE) Passively Safe and Non-Passive
Remote Monitoring	Ki. CMS Compatible
Dimensions (WxHxD)	80 x 230 x 85mm
Operating Voltage	230V AC control equipment, 24V DC impact sensors

From Impact to Electrical Safety

Automatic electrical isolation helps reduce risk following a collision.



Vehicle Impact
A vehicle collides with a roadside asset



Automatic Power Isolation
Detects the impact and disconnects power in less than 0.4 seconds



Asset Made Safe
The electrical supply is isolated, removing the risk of electrical shock



Safe Inspection & Repair
The damaged asset can be inspected and repaired safely



Back in Service
Once repairs are complete, the system can be manually reset and returned to operation

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Call our customer sales team on: **+ 44 (0) 1422 317 317**
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