Lucy Zodion

FORTRESS PS-PILLAR



AUTOMATIC ELECTRICAL ISOLATION SOLUTION
Part of the Fortress Passive Safe Range

The Fortress PS-Pillar is a proven Passive Safe solution designed to automatically disconnect power to street lighting and roadside infrastructure following a vehicle impact. Installed within a Fortress Feeder Pillar, the 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.

The fully scalable system can be designed to protect multiple roadside assets from a single central location, while simplifying monitoring and maintenance.

BS EN 12767 Compliant

Protects Multiple Assets From One Location

<0.4 Seconds Electrical Isolation



Low Voltage Impact Sensor

DESIGN & OPERATION

- Fully scalable system
- 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 Feeder Pillar Solution for Faster Installation
- PS Internal Enclosure Rating: IP66
- Feeder Pillar IP Rating: IP43
- CMS & Remote Monitoring Compatible
- LED Fault, Low Voltage & Sensor Diagnostics
- Simple Commissioning & Periodic Testing

APPLICATIONS

Street Lighting Columns

Variable Message & Activated Signage

Feeder Pillars

Illuminated Signage

Traffic Signals

Illuminated Bollards

SPECIFICATION

Main Enclosure	Hot-dip Galvanised Feeder Pillar with Stainless Steel hinges and vandal proof locks (Stainless Steel also available)
Material Thickness	3mm & 5mm options available
Monitoring System	Fully scalable monitoring system to suit all highway configurations
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	PS Internal Enclosure: IP66 Feeder Pillar: IP43
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
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**
For orders, please email: **orderline@lucyzodion.com**
For quotes, please email: **quotes@lucyzodion.com**

www.lucyzodion.com
Zodion House, Station Road, Sowerby Bridge, United Kingdom, HX6 3AF