

fortress and heritage pillars



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick

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www.powerandcables.com



Lucy zodion has a wealth of experience in the manufacture of pre-wired l.v. distribution and control equipment ranging from simple group switched circuits to full cascading timer control systems. Building on its success in the street lighting and general electrical contractor market, lucy zodion has won orders to supply pre-wired pillars to market segments such as;

- Airports
- Motorway applications
- CCTV power supplies
- Docks
- Private developments
- MOD
- Car park lighting
- Water Utilities
- Railways
- Power Stations
- Telecommunications
- Pharmaceutical installations
- Temporary generator hook ups

www.lucyzodion.com

As part of the bespoke pre-wired service, Lucy Zodion can, if required, propose delivery options where the pillar shells are supplied separate from the equipped backboards to enable the first fix to occur without the valuable backboard being on site.

The Design office is fully equipped with the latest CAD and electrical design software to facilitate a fast design service. All pre-wired solutions are built in-house and each system is fully checked, tested and certified to the latest standards before it leaves the factory.

Control equipment to suit your requirements

- Single and three phase control/distribution systems
- Analogue, digital or solar timer controls
- Contactor/relay systems
- Photocell systems with override facilities
- General purpose and custom design distribution boards
- MCB, RCD, RCBO, BS88 fused protection solutions
- Cable termination options
- Anti-condensation heater options with tamperproof thermostat control
- Low energy pillar lighting using fluorescent lighting which can have battery back-up for emergency situations
- RCBO protected domestic and industrial sockets

Specification

Choice of enclosure materials:

- Galvanised mild steel nominal thickness 3mm or 5mm
- Stainless steel nominal thickness 2.5mm
- Cast iron
- GRP

Door seal to IP 65

Backboard made from 18mm thick exterior grade plywood

Earth lead supplied from pillar body to door

'Danger' warning label fitted in a recess in the door

Fast and efficient Design Service

Pillar can be supplied without backboard to allow on-site installation

Full layout and circuit drawings available on request

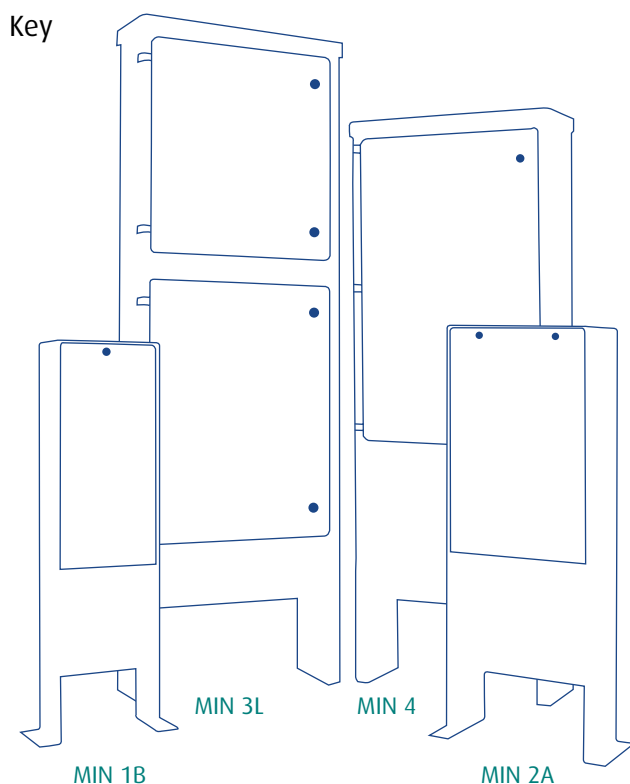
Over Voltage Protection

With the ever increasing use of electronic control componentry, the vulnerability of certain types of modern lighting systems has become an issue. Lucy Zodion can offer packages that give protection against spikes and surges caused by lightning strikes and switch transients. In addition, Lucy Zodion is able to offer advice on class 1 and 2 protection.

custom pillars

Designed at the outset to a specific customer requirement, these pillars have found a greater range of applications across a wider variety of sectors than was originally planned. Using the same high quality materials as the standard product derivatives, the Custom pillars offer practical solutions to onerous demands for the packaging of electrical command and control equipment.





Dimensions (mm)

	MIN 1B	MIN 2A	MIN 3S	MIN 3L	MIN 4
Height	605	670	1287	1538	1313
Root Section	360	360	350	325	325
Width	265	385	530	600	600
Depth	160	220	290	220	220
Door Opening Height (Upper/Lower)	517	527	560/365	520/650	810
Door Opening Width (Upper/Lower)	224	329	420/420	490/490	498
Working Depth	116	176	237	163	165
Backboard Size (HxW) (Upper/Lower)	538x245	605x350	564x515/398x480	525x590/660x515	1000x500
Weight (Kgs)	22	20	70	110	86

Specification

Hot dip galvanised to BS EN ISO1461

Backboard made from 18mm thick exterior grade plywood

Nominal 3mm or 5mm mild steel construction

M8 tri-head locks

Recessed stainless steel hinges

Root finished in bitumen rich paint

Alternative finishes available

special pillars

Special engineered low voltage distribution systems

Over the last few years Lucy zodion has built up a reputation for providing innovative and cost effective low voltage distribution systems. The design team are always happy to advise and help with any requirements you may have.



These systems can be anything from a simple industrial socket pillar up to a 1600 amp generator hook-up pillar. Each pillar is individually designed to suit the specification/customer requirements and the design team will take into account the incoming and outgoing cable types and sizes to ensure that the systems being delivered can be installed and functioning as quickly as possible.

Lucy zodion now supply bespoke low voltage distribution systems to the following sectors:
Sports stadiums including Olympic venues. MOD sites both in the UK and abroad. Chemical Plants, Hospitals, Shopping Centers, Airports and Market Places.



Date _____ Initial Ref _____

Project Details

Project Title _____

Customer _____

Customer

Contact Details

Electrical Specification

DNO/REC Equipment _____ DNO/REC Space Required _____

Incoming Supply: 1ph ☐ 3ph ☐ Cable Size/Type _____

Incoming Isolation: SW/Fuse ☐ SW/Disconnect ☐ None ☐ Rating _____ A

Distribution Board Type: Single Phase ☐ Three Phase ☐ None ☐

Distribution Board Notes _____

No. of Outgoing Ways _____ Type: SP ☐ TP ☐

Outgoing Way Protection Devices _____

No. of BS88 Fuses _____ No. of RCBO's _____ No. of MCB's _____ Other _____

Are outgoing terminals required: Yes ☐ No/Direct Connect to Distribution Board ☐

Outgoing Cables Sizes _____

Group Switching

Time Clock: Normal ☐ Solar ☐ Analogue ☐ Digital ☐ | Notes _____

Contractor Control: Incoming Supply ☐ Outgoing Ways ☐ | Notes _____

Number of outgoing ways switched: | Notes _____

Override Switch: Yes ☐ No ☐ | Notes _____

Pillar Extras

Light ☐ RCD Socket ☐ Heater ☐ Normal Stat ☐ T/Proof Stat ☐

Commando Sockets ☐ DC Immune RCD ☐ Cat Flap ☐

Notes _____

Pillar Details

Min Size: H _____ W _____ D _____ Max Size: H _____ W _____ D _____

Notes _____

Lucy type if known _____

General Notes



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