ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L7864 – CONTROL PANEL

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1 Introduction

1.1 Asset Details

Class Code:	L7864
Class Name:	Control Panel
Class Lineage:	Construction Products>Services>General purpose and ancillary services products>Measuring, detection and control devices>Control Panels

1.2 Description

A control panel is an enclosure where control or monitoring instruments are housed. This asset relates specifically to the housing in which the instruments, inverters etc. are held. The switches and instruments will be listed separate assets.

1.3 Related Functions

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

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2 Asset Tag Identification Rules

Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031) in the following format:

<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. CR076-BAF-12345

Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

2.1 Example Images

Typical control panel for a battery charger:

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3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Control/Alarm & Monitoring		PD		None BMS Only SCADA/CMS Only SCADA/SMS Only BMS & SCADA/CMS BMS & SCADA/SMS SCADA/CMS & SCADA/SMS BMS & SCADA/SMS & SCADA/CMS	Is the panel connected to the Building Management System (BMS), SCADA/Station Management System, SCADA/Central Management System
Depth (Millimetres)	Millimetres	NU	0		The total depth of the panel
Height (Millimetres)	Millimetres	NU	0		The total height of the panel
IP rating		CH			The ingress protection rating IPXXX
Width (Millimetres)	Millimetres	NU	0		The total width of the panel
Input Voltage (Volts)	Volts	NU	0		The power in volts coming into the device

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Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Control Panel Type		PD		Fire Main Fire Damper Fire EDNE Fire UTS Gate Fire Door Retainer Fire Voice Alarm Fire Suppression Fire Lift Interface Fire Aspirating Control Fire PA Interface Escalator Fire Protection Fire Magnetic Door Retainer Fire Indication only	The usage/type of control panel.
Phase		PD		Single Phase Three Phase	The Phase type of the electric supply to the device.
Current Rating (Amps)	Amps	NU	0		The current capacity of the control panel in AMPs.
Number of Ways		PD		1 Gang 1 Way 1 Gang 2 Way 2 Way Intermediate	The number of outgoing ways.
Power Rating (Watts)	Watts	NU	0		The ratting of power usage expressed in watts.

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
ch = Free text (Max 255 Characters)
da = Date (dd-mm-yyyy)
me = Memo (Free text 1GB Limit)

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4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once the performance measures have been agreed with the Infrastructure Managers.

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- Asset Naming Convention Document - CRL1-XR1-Z3-ADDSD-CR001-50413

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8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Lead Mechanical & Electrical Plant (MEP) Engineer	19-Sep-2014

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