ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L762535 – DUAL BEAM DETECTORS

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1 Introduction

1.1 Asset Details

Class Code:	L762535
Class Name:	Dual Beam Detectors
Class Lineage:	Construction Product>Services>Information-communication services products>Safety and security information systems>Fire-smoke detection-alarm systems>Fire/smoke detectors>Dual Beam Detectors

1.2 Description

Dual beam detector is a device used to detect smoke, and uses dual beam technology to reduce false detections.

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

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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**
Alarm Reset Time (Seconds)	Seconds	NU	0		What is the reset time of the detector
Beam Length (Metres)	Metres	NU	2		The length of the beams
Depth (Millimetres)	Millimetres	NU	0		The total depth of the detector
Diameter (Millimetres)	Millimetres	NU	0		The total diameter of the unit
Height (Millimetres)	Millimetres	NU	0		The total height of the unit
Input Voltage (Volts)	Volts	NU	0		The rated operating voltage of the unit
IP Rating		CH			The ingress protection rating of the unit e.g. IP23
Width (Millimetres)	Millimetres	NU	0		The total width of the detector

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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