ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L762533 – LINEAR HEAT DETECTORS

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50136**

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5.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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1 Introduction

1.1 Asset Details

Class Code:	L762533
Class Name:	Linear Heat Detectors
Class Lineage:	Construction Products>Services> Information/communication services products>Safety and security information systems >Fire/smoke detection/alarm systems>Fire/smoke detectors>Linear Heat Detectors

1.2 Description

Linear Heat Detector is a proprietary cable that detects heat anywhere along its length and is used as a fire alarm detector in tunnels and special hazards.

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)

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).

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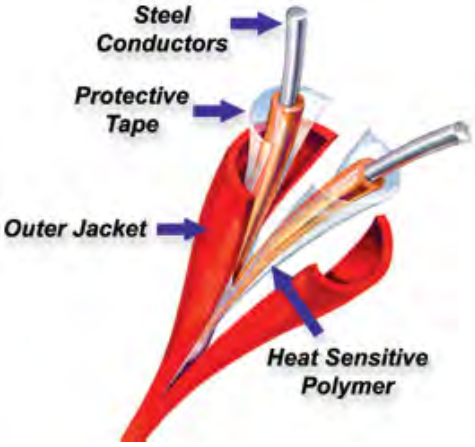
2.1 Example Images



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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
Diameter (Millimetres)	Millimetres	NU	0		Diameter of detector wire
Length (Metres)	Metres	NU	2		length of detector wire
Operating Temperature Maximum (Degrees Celsius)	Degrees Celsius	NU	2		The maximum operating temperature of the unit
Operating Temperature Minimum (Degrees Celsius)	Degrees Celsius	NU	2		The minimum operating temperature of the unit
Resistance (Ohms)	Ohms	NU	0		The resistance of the wire per metre
Trigger Temperature (Degrees Celsius)	Degrees Celsius	NU	2		The temperature at which the system is triggered
Voltage Range (Volts)	Volts	NU	0		The rated voltage for the unit
Weight Per Metre (Kilograms/Metre)	Kilograms/Metre	NU	2		The weight per meter 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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