ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4) L762208 – INFRA-RED RADIATION DETECTORS

Learning Legacy Document

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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:	L762208
Class Name:	Infra-red radiation detectors
Class Lineage:	Construction Products>Services>Information-communication services products>Safety and security information systems>Presence detection>Infra-red radiation detectors

1.2 Description

Infra-red radiation detectors react to infra-red radiation and are used in detecting fires, or overheating in machinery, planes, vehicles, and people, and in controlling temperature-sensitive industrial processes.

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
Angle (Degrees)	Degrees	NU	0		The angle through which the detector is able to function effectively.
Diameter (Millimetres)	Millimetres	NU	0		The Diameter of the unit
Input Voltage (Volts)	Volts	NU	0		The operational voltage of the unit
Output Type		PD		Digital Digital-PWM Logic	The output of the detector
Output Voltage (Volts)	Volts	NU	0		The voltage of the output
Range (Metres)	Metres	NU	2		The maximum distance a detector can effectively detect abrupt temperature changes (infra-red energy).

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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