ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4) L762215 – GAP MONITORING/OBJECT SENSOR

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50347**

Document Revision: **5.0**

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Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
1.0	05-Mar-14	Michael Niven	[redacted]	[redacted]	First Issue
2.0	03-Jun-2014	[redacted]	[redacted]	[redacted]	Updated Attribute Name. Changed name to Gap Monitoring within text of document Asset Tag Identification Section Updated
3.0	19-Sep-2014	[redacted]	[redacted]	[redacted]	Approvals Added Consultations Removed
4.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated
5.0	08-Sep-2016	[redacted]	[redacted]	[redacted]	Class name change Asset description updated Attributes added

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1 Introduction

1.1 Asset Details

Class Code:	L762215
Class Name:	Gap Monitoring/Object Sensor
Class Lineage:	Construction Products>Services>Information/communication services products>Safety and security information systems>Presence detection> Gap Monitoring/Object Sensor

1.2 Description

Gap monitoring detects the presence of a person or object in the gap between closed train and platform edge doors. This is a safety feature that will prevent the train from leaving the station when there is an obstruction.

This asset class also covers Passive Infrared (PIR) that are used to detect movement/lack of movement in an area. PIR is used to sense movement of people, animals, or other objects. They are commonly used in automatically-activated lighting systems. They are commonly called simply "PIR", or sometimes "PID", for "passive infrared detector".

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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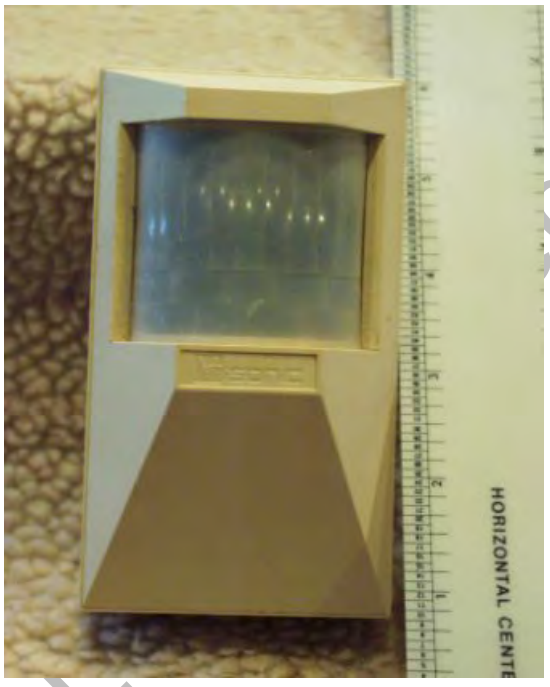
2.1 Example Images



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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
Voltage (Volts)	Volts	NU	0		The operating voltage of the obstacle detector.
Gap Detector Type		PD		Radar Infrared Sonar Laser Pressure	The system that the detector uses to detect a presence.
Effective Range (Metres)	Metres	NU	2		The distance the detector can effectively work to, not applicable for pressure sensors.
Minimum Trigger Load (Kilograms)	Kilograms	NU	0		For pressure sensors, the minimum weight that triggers the detector.
Absence of Motion Detector		PD		Yes No	Does the equipment monitor lack of movement as well as detecting movement?
Current Rating (Amps)	Amps	NU	0		Rating of current measured in Amps
IP Rating		CH			The IP Code, International Protection Marking given to the equipment in compliance with IEC standard 60529 or the equivalent British standard EN 60529.

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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 document - 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]	Systemwide Mechanical & Electrical Lead Engineer	19-Sep-2014

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