Document number:	D004_CT005 rev. 8
Dated:	25-Nov-24
Expiry date:	25-Nov-26

IEC 61508 Functional Safety Capability Statement

Hochiki Europe (UK) Ltd CCP-E-IS and CCP-W-IS Call Points

Manufacturer:	Hochiki Europe (UK) Ltd Gillingham Business Park, Grosvenor Rd, Gillingham ME8 0SA
Product:	Call Points
Model:	CCP-E-IS, CCP-W-IS, CCP-E-IS/SIL, CCP-W-IS/SIL
Application:	Low Demand Mode Safety Instrumented Function
Safety Function:	Upon detection of fire condition, alarm is initiated via the Call Point (Logic and final element subsystems not part of this analysis)
Applied standard:	IEC 61508 Ed2 2010 Parts 1-3
Systematic Capability:	Not Assessed
Applicable report:	Environmental Resources Management Ltd Report: D004_SV005 rev. 6
Assessment Route:	1_H
Hardware Fault Tolerance:	0
Type:	A
Application restrictions:	Manual test considered a diagnostic function Manual function tests are carried out frequently (i.e. weekly) and suitably documented, reviewed and audited

Model No.	λ (/hr)	λDU (/hr)	λDD (/hr)	λS (/hr)	SFF
CCP-E-IS Call Point (Without Manual Test)	9.1E-08	7.8E-08	0.0E+00	1.3E-08	14%

Model No.	λ (/hr)	λDU (/hr)	λDD Manual Test (/hr)	λS (/hr)	SFF
CCP-E-IS Call Point (With Manual Test)	9.1E-08	3.1E-08	4.7E-08	1.3E-08	66%

IMPORTANT: It should be noted that this assessment considers only the Hochiki Europe (UK) Ltd, CCP-E-IS and CCP-W-IS Call Points. It does not cover opening and closing time requirements and a random hardware failures assessment must be conducted for the entire safety function for each application as per the appropriate Safety Requirements Specification.

The Hochiki Europe (UK) Ltd, CCP-E-IS and CCP-W-IS Call Points have been assessed and are considered capable for use in a low demand mode safety function up to (and including) SIL 1/2 with regards to random hardware failures and architectural constraints.

© Copyright 2024 by The ERM International Group Limited and/or its affiliates ('ERM'). All Rights Reserved.

Document number:	D004_CT005 rev. 8
Dated:	25-Nov-24
Expiry date:	25-Nov-26

Note 1: The SIL of a complete SIF (sensor, logic solver and final element subsystems) must be verified to calculate the required Probability of Failure on Demand (PFD) / Probability of Failure per Hour (PFH), considering any redundancy, Proof Test Interval (PTI), Proof Test Coverage (PTC), Mission Time and Mean Time To Restoration (MTTR) for all elements included in the SIF. Each subsystem should be verified to ensure compliance with the minimum HFT requirements.

Chantal Sealey FS Eng (TÜV Rheinland) Assessor chantal.sealey@erm.com	Simon Burwood FS Expert (TÜV Rheinland) Assessment Authority simon.burwood@erm.com