Date : 29 June 2018

# CERTIFICATE OF COMPLIANCE

| This certificate of compliance validates the following | | | |
|---|---|---|---|
| **TEST REPORT NUMBER** 'Assessment Reports' are not acceptable | TE250066 | **CERTIFICATE NUMBER** | 166k-(cl-3) |
| **DATE OF ISSUE** | 14 August 2009 | **DATE OF ISSUE** | 27 April 2018 |
| **DATE OF EXPIRY** | N/A | **DATE OF EXPIRY** | N/A |
| **Manufacturer details** | | | |
| **NAME OF FACTORY/ MANUFACTURER** | KAC Alarm Company Limited | **NAME OF THE BRAND** | Silver-Tec Ltd |
| **FACTORY ADDRESS / REGION** (STREET / TOWN / CITY / COUNTRY) | KAC House<br>Thornhill Road<br>North Moons Moat<br>Redditch,<br>Worcestershire<br>B98 9ND<br>United Kingdom | **MODEL / NO** | Manual Call Points<br>ST-CAN-SCR<br>ST-ACW-SCR |
| **WEBSITE** | www.kac.co.uk | **LOGO ON THE PRODUCT** | Silver-Tec Instrumentation for your safety ... |
| **TEL** | +44 (0)1527 406655 | **EMAIL** | info@silver-tec.co.uk |

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| Product Details From Test Report | | Reference Test Report page NO |
|---|---|---|
| **DESCRIPTION OF THE PRODUCT** (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC) | KAC Brand<br><br>166k/03 — HCP-E(SCI)<br>166k/05 — HCP-W(SCI)<br><br>ST-CAN-SCR — Intelligent Analogue Addressable Type A Manual Call Point with Short Circuit Isolator (SR Mounting Box) — 166k/03<br>ST-ACW-SCR — Weatherproof Intelligent Analogue Addressable Type A Manual Call Point with Short Circuit Isolator — 166k/05<br><br>Ancillaries<br>SR Surface mounting plastic box – Indoor models only | |
| **TEST STANDARD** (SUCH AS ASTM/BS EN/ DN ETC) | EN 54-11:2001 + A1:2005<br>EN 54-17:2005 | |
| **TEST DESCRIPTION** | The object of this evaluation was to examine the construction and assess the performance of the HOCHIKI Europe (UK) Ltd HCP-E(SCI) indoor and HCP-W(SCI) outdoor analogue addressable Type A re-settable manual call points incorporating short circuit isolators to a series of tests taken from EN 54-11: 20011, EN 54-17: 20052 .<br><br>Both versions of the manual call points are analogue addressable devices each incorporating a short circuit isolator, identical PCBs and software that is only compatible with the Enhanced System Protocol (ESP), they only differ in housing type as the HCP-W(SCI) is intended for outdoor use and the HCP-E(SCI) is intended for indoor use . | Page 5 |
| **SPECIFICATION OF TEST SPECIMEN** | Equipment<br>No. 14 — Description: HOCHIKI analogue addressable HCP-W(SCI) Type A outdoor re-settable manual call points with surface mounting back box. — Receipt date: 28/05/2009 | Page 6 |

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| | | |
|---|---|---|
| 1 | HOCHIKI analogue addressable HCP-E(SCI) Type A indoor re-settable manual call point. | 28/05/2009 |

**TEST RESULT**
(SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)

PASS
EN 54-11: 2001 Page 10

| EN 54-11: 2001[1] Clause -Title/Test | HCP-W(SCI) | |
|---|---|---|
| | Specimen N!! | Pass/ Fail |
| 4.2.1 - Marking | - | Pass |
| 4.2.2 - Data | - | Pass |
| 4.8 - Additional requirements for software controlled | Ref: TE250066-SW[3] | |
| 5.3 - Functional test | 1 to 14 | Pass |
| 5.4 - Test facility | 1 to 14 | Pass |
| 5.6 - Variation of supply parameters | 2 | Pass |
| 5.7 - Dry heat (operational) | 1 | Pass |
| 5.8 - Dry heat (endurance) | 1 | Pass |
| 5.9 - Cold (operational) | 2 | Pass |
| 5.10 - Damp heat, cyclic (operational) | 3 | Pass |
| 5.11 - Damp heat, cyclic (endurance) | 3 | Pa |
| 5.12 - Damp heat, steady state (endurance) | 4 | Pass |
| 5.13 - Sulphur dioxide corrosion (endurance) | 5 | Pass |
| 5.14 - Shock (operational) | 6 | Pass |
| 5.15 - Impact (operational) | 7 | Pass |
| 5.16 - Vibration, sinusoidal | 8 | Pass |
| 5.17 - Vibration, sinusoidal | 8 | Pass |
| 5.18a - Electrostatic discharge | 12 | Pass |
| 5.18b - Radiated fields (operational) | 9 | Pass |

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| | | |
|---|---|---|
| 18c – Conducted disturbances induced by electromagnetic | 9 | Pass |
| 5.18d - Fast transient bursts | 12 | Pass |
| 5.18e - Slow high energy voltage surges | 13 | Pass |
| 5.19 - Enclosure Protection | - | - |

EN 54-17: 2005 Page 11

| EN 54-17: 2005[2] Clause - Title/Test | HCP- W(SCI) | |
|---|---|---|
| | Specimen | Pass/ |
| 4.2 - Integral status indication | - | Pass |
| 4.3 - Connection of ancillary devices | - | Pass |
| 4.4 - Monitoring of detachable short circuit isolators | | N/A |
| 4.5 - Manufacturer's adjustments | - | Pass |
| 4.6 - On-site adjustments | - | Pass |
| 4.7 – Marking | - | Pass |
| 4.8 – Data | - | Pass |
| 4.9 - Requirements for software controlled | | Ref: TF250066-SW/ |
| 5.2 - Reproducibility | 1 to 14 | Pass |
| 5.3 - Variation in supply voltage | 2 | Pass |
| 5.4 - Dry heat (operational) | 1 | Pass |
| 5.5 - Cold (operational) | 2 | Pass |
| 5.6 - Damp heat, cyclic (operational) | 3 | Pass |
| 5.7 - Damp heat, steady state (endurance) | 4 | Pass |
| 5.8 - Sulphur dioxide($SO_2$) corrosion | 5 | Pass |
| 5.9 - Shock (operational) | 6 | Pass |

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| | | |
|---|---|---|
| 5.10 - Impact (operational) | 7 | Pass |
| 5.11 - Vibration, sinusoidal (operational) | 8 | Pass |
| 5.12 - Vibration, sinusoidal (endurance) | 8 | Pass |
| 5.13a - Electrostatic discharge (operational) | 12 | Pass |
| 5.13b - Radiated electromagnetic fields (operational.) | 9 | Pass |
| 5.13c – Conducted disturbances induced by electromaQnetic fields (operational) | 9 | Pass |
| 5.13d - Fast transient bursts (operational) | 12 | Pass |
| 5.13e - Slow high energy surges (operational) | 13 | Pass |

EN 54-11: 2001

| EN 54-11: 2001[1] Clause - Title/Test | HCP-E(SCI) | |
|---|---|---|
| | **Specimen** | **Pass/** |
| 4.2.1 – Marking | - | Pass |
| 4.2.2 – Data | - | Pass |
| 4.8 - Additional requirements for software controlled manual call points | | Ref: TE250066-SW 3 |

**EN 54-17: 2005**

| EN 54-17: 2005[2] Clause - Title/Test | HCP-E(SCI) |
|---|---|

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| | Specimen | Pass/ Fail |
|---|---|---|
| 4.2 - Integral status indication | - | Pass |
| 4.3 - Connection of ancillary devices | - | Pass |
| 4.7 – Marking | - | Pass |
| 4.8 – Data | - | Pass |
| 4.9 - Requirements for software controlled devices | Ref: TE250066-SW[3] | |

The HOCHIKI Europe analogue addressable HCP E(SCI) Type A Indoor re-settable manual call point with short circuit isolator and the analogue addressable HCP W(SCI) Type A outdoor re-settable manual call point with short circuit isolator met the requirements of a series of tests taken from EN 54-11: 2001[1], EN 54-17: 2005[2] as specified in LPCB Test Schedule E121569/1.0 on the first submission

**PRODUCT APPLICATION GUIDELINE (END USE)**

**(CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT____/TO BE CONNECTED WITH____/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.**

| | |
|---|---|
| 166k/03 | 2-3-0-2417 |
| 166k/05 | 2-3-0-2422 |

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| Laboratory and Certification body details | | | |
|---|---|---|---|
| **NAME OF CERTIFICATION BODY** | BRE Global Ltd. | **NAME OF TEST FACILITY** | BRE Global Ltd. |
| **CERTIFICATION BODY ADDRESS / REGION** (STREET / TOWN / CITY / COUNTRY) | Bucknalls Lane<br>Garston<br>Watford WD25 9XX<br>United Kingdom | **TEST FACILITY ADDRESS / REGION** (STREET / TOWN / CITY / COUNTRY) | Bucknalls Lane<br>Garston<br>Watford WD25 9XX<br>United Kingdom |
| **WEBSITE** | www.breglobal.com | **WEBSITE** | www.breglobal.com |
| **TEL** | +44 (0)333 321 88 11 | **TEL** | +44 (0)333 321 88 11 |
| **EMAIL** | BREGlobalEnquiries@bre.co.uk | **EMAIL** | BREGlobalEnquiries@bre.co.uk |
| **ACCREDITED BY** (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE) | UKAS<br>www.ukas.com | **ACCREDITED BY** (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE) | UKAS<br>www.ukas.com |
| **AS PER** (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO) | EN45011: 1998 /<br>ISO 17065: 2012 | **AS PER** (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO) | ISO 17025: 2005 |
| **VALIDITY** (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION) | N/A | **VALIDITY** (EXPIRY DATE OF LABORATORY ACCREDITATION) | N/A |
| **REFERENCE NUMBER:** (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE) | 0007 | **REFERENCE NUMBER:** (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE) | 0578 |
| **CERTIFICATION MARK** | LOSS PREVENTION CERTIFICATION BOARD LPCB<br>166k/03/05 | | 166k-(cl-3) |

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| (ENDORSEMENT) TO BE SIGNED BY MANUFACTURER | | | |
|---|---|---|---|
| NAME OF MANUFACTURER'S SIGNATORY | Richard Anderson | SIGNATURE | |
| EMAIL / TEL | randerson@hochikieurope.com<br>01634 266544 | FACTORY OFFICIAL SEAL | HOCHIKI EUROPE (UK) LIMITED<br>Grosvenor Road, Gillingham Business Park<br>Gillingham, Kent ME8 0SA England |
| NOTES: I Undertake that all data and information provided are genuine and accurate | | | |

| (ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY | | | |
|---|---|---|---|
| NAME OF CERTIFICATION BODY SIGNATORY | BRE Global Ltd.<br>EMATTIE-SULEIMAN | SIGNATURE | |
| EMAIL / TEL | BREGlobalEnquiries@bre.co.uk<br>+44 (0)333 321 88 11 | CERTIFICATION BODY OFFICIAL SEAL | BRE GLOBAL LTD<br>BUCKNALLS LANE<br>WATFORD WD25 9XX<br>U.K. |
| NOTES: I Undertake that all data and information provided are genuine and accurate 166k-(cl-3) 166k/03/05/ | | | |

**ATTACHMENTS:**

- **COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)**