

Certificate of Product Approval

Certificate Number: 199p-(cl-2)

Issue: 02

Life Safety Distribution GmbH, System Sensor Europe

Javastrasse 2
CH-8604
Hegnau
Switzerland



is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

Products

Multi-Criteria Detectors

ECO1002

2351TEM

2020PT

22051TLE

22051TE

ECO1002ABL

(refer to Appendix for details)

Standards

EN 54-5:2000 + A1:2002

EN 54-7:2000 + A1:2002 + A2:2006

CEA 4021:2003

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd

P Halligan

Verifier

21 March 2019

Date of Issue

26 July 2018

Date of First Issue



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BRE Global Ltd, Watford, WD25 9XX

T: +44 (0)333 321 8811 E: enquiries@breglobal.com

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Appendix to Certificate No: 199p-(cl-2)

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Certified Product	Description	LPCB Ref.No.
ECO1002	Conventional Photo-Thermal Detector (ECO1000B, ECO1000BSD, ECO1000BR, ECO1000BRSD, ECO1000BR680, ECO1000BR680SD, ECO1000BR1000, ECO1000BR1000SD, ECO1000DB, ECO1000DBR and ECO1000DBRSD, ECO1000BREL12L, ECO1000BREL12NL and ECO1000BREL24L bases) Note: Meets the requirements of EN 54-5: 2000 at Class A1R and EN 54-7: 2000 at pre-set sensitivity	199p/01
2351TEM	Conventional Optical/Thermal Smoke & Heat Detector (B401, B401R, B401SD, B401RSD, B401DG, B401DGR, B401DGSD and B401DGRSD bases) Note: Meets the requirements of EN 54-5: 2000 at Class A1R and EN 54-7: 2000 at 'High', 'Medium' and 'Low'.	199p/03
Vision 2020PT	Conventional Photo-Thermal Detector (2020B, 2020DB, 2020BSD, 2020DBSD bases) Note: Meets the requirements of EN 54-5: 2000 at Class A1R and EN 54-7: 2000 at 'High', 'Medium' and 'Low'.	199p/04
22051TLE	Analogue Addressable Photo-Thermal-IR Multi-Criteria Sensor (B501AP, B524IEFT-1 and B524HTR bases) Note: Certified at the following settings: - Alarm levels 1 to 5 (Multi-criteria): EN 54-5: 2000 Class A1R, EN 54-7: 2000 & CEA 4021: 2003 Alarm level 6 (Heat only mode): EN 54-5: 2000 Class A1R	199p/06
22051TE	Analogue Addressable Photo-Thermal Multi-Criteria Sensor (B501AP, B524IEFT-1 and B524HTR bases) Note: Certified at the following settings: - Alarm levels 1 to 5 (Multi-criteria): EN 54-5: 2000 Class A1R, EN 54-7: 2000 & CEA 4021: 2003 Alarm level 6 (Heat only mode): EN 54-5: 2000 Class A1R	199p/07

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Certified Product	Description	LPCB Ref.No.
ECO1002ABL	Conventional Photo-Thermal Detector (ECO1000B, ECO1000BSD, ECO1000BR, ECO1000BRSD, ECO1000BR680, ECO1000BR680SD, ECO1000BR1000, ECO1000BR1000SD, ECO1000DB, ECO1000DBR and ECO1000DBRSD bases) Note : Meets the requirements of EN54:5-2000 at Class A1R and EN54:7:2000 at pre-set sensitivity	199p/08

Bases

ECO1000B	Standard base
ECO1000BSD	Standard base with schottky diode
ECO1000BR	Standard base, 470 ohm resistor
ECO1000BRSD	Standard base, 470 ohm resistor and schottky diode
ECO1000BR680	Standard base, 680 ohm resistor
ECO1000BR680SD	Standard base, 680 ohm resistor and schottky diode
ECO1000BR1000	Standard base, 1000 ohm resistor
ECO1000BR1000SD	Standard base, 1000 ohm resistor and schottky diode
ECO1000DB	Deep base
ECO1000DBR	Deep base, 470 ohm resistor
ECO1000DBRSD	Deep base, 470 ohm resistor and schottky diode
ECO1000BREL12L	12Vdc Relay base (latching)
ECO1000BREL12NL	12Vdc Relay base (non-latching)
ECO1000BREL24L	24Vdc Relay base (latching)
B501AP	Intelligent detector base
B524IEFT-1	Analogue short circuit isolator base
B524HTR	Heater base
B401	Standard base
B401R	Standard base with 470 ohm resistor

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B401SD	Standard base with schottky diode
B401RSD	Standard base with 470 ohm resistor and schottky diode
B401DG	Deep base
B401DGR	Deep base with 470 ohm resistor
B401DGSD	Deep base with schottky diode
B401DGRSD	Deep base with 470 ohm resistor and schottky diode
2020B	Standard base
2020DB	Deep base
2020BSD	Standard base with schottky diode

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