

BRE Global

Notified Body No. 0832

BRE Global Limited
Bucknalls Lane, Garston, Watford,
Hertfordshire, UK, WD25 9XX
Telephone: +44 (0) 333 321 8811
Email: enquiries@breglobal.com
Web: www.breglobal.com

MARINE EQUIPMENT DIRECTIVE 2014/90/EU

Regulation: (EU) 2019/1397

EC TYPE EXAMINATION (Module B)

Certificate: 0832-MED-1019

Issued to: Pittway Tecnologica Srl
Via Caboto 19/3
34147 Trieste
Italy

Regulation Item

MED/3.51c

Item Designation

Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces
(c) Heat detectors — Point detectors

MED/3.51d

Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces
(d) Smoke detectors: Point detectors using scattered light, transmitted light or ionization

Product Type

ECO1002

Product Description

Conventional Photo-Thermal Detector

ECO1003

Conventional Photoelectric Smoke Detector

ECO1005

Class A1R Conventional Thermal Detector

ECO1005T

Class A2S Conventional Fixed Temperature Detector

ECO1004T

Class BS Conventional High Temperature Heat Detector

This is to certify that BRE Global Limited did undertake the relevant Type Examination for the equipment identified above which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU subject to any conditions in the annex attached hereto

This certificate is issued under the authority of the MCA under the terms stated above and remains valid for a period up to but not exceeding 5 years unless cancelled or revoked, providing the conditions in the attached annex are complied with.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment which have not been notified to BRE Global Ltd.

As applicable, a U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.

Tony Baker, Certification Scheme Manager ,

On behalf of BRE Global Limited

Date of First Issue: 2 August 2010

Date of issue: 8 November 2019

Valid until: 31 August 2022

Issue number 05

The attached Annex forms part of this certificate.

The certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached annex are complied with.

To check the validity of this certificate, please contact us on +44 (0)333 321 8811 or email enquiries@breglobal.com.

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MARINE EQUIPMENT DIRECTIVE 2014/90/EU**Regulation: (EU) 2019/1397****EC TYPE EXAMINATION (Module B)****CERTIFICATE 0832-MED-1019****Annex****Issued to:**

Pittway Tecnologica Srl
Via Caboto 19/3
34147 Trieste
Italy

Additional Economic Operators:**Distributor**

Honeywell Products & Solutions Sàrl, Trading as System Sensor
Zone d'Activitiés La Pièce 16
Rolle
CH-1180
Switzerland

Distributor

Consilium Marine & Safety AB
Salsmastaregatan 21
P.O. Box 8763
SE-402 76 Gothenburg
Sweden

Places of Production:

Pittway Tecnologica Srl.
Via Caboto 19/3
34147 Trieste
Italy

Testing Standards

IEC 60092-504:2016, IEC 60533:2015, EN 54-5:2000 + A2:2002, EN 54-7:2000 + A1:2002 + A2:2006



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MARINE EQUIPMENT DIRECTIVE 2014/90/EU**Regulation: (EU) 2019/1397****EC TYPE EXAMINATION (Module B)****CERTIFICATE 0832-MED-1019****Annex****Project Number**

The technical documentation in support of this certificate is located within BRE Global project file(s):
OPP002356

Certification Assessment Report Number:

TE-OPP002356

Product Details**Consilium Marine & Safety AB:**

EC-PH/A1R Conventional photo-thermal detector approved with EC-ADAPT and EC-BASE bases.

Note: Meets the requirements of EN 54-5: 2000 at class A1R & EN 54-7: 2000 at pre-set sensitivity.

EC-P Conventional photoelectric smoke detector approved with ADAPT and EC-BASE bases

EC-H/A1R Class A1R conventional thermal detector approved with EC-ADAPT and EC-BASE bases.

EC-H/A2S Class A2S conventional fixed temperature detector approved with EC-ADAPT and EC-BASE bases.

EC-H/BS Class BS conventional high temperature heat detector approved with EC-ADAPT and EC-BASE bases

Bases**System Sensor Europe:**

- a) ECO1000B standard base
- b) ECO1000BSD standard base with schottky diode
- c) ECO1000BR standard base, 470Ω resistor
- d) ECO1000BRSD standard base, 470Ω resistor and schottky diode
- e) ECO1000BR680 standard base, 680Ω resistor
- f) ECO1000BR680SD standard base, 680Ω resistor and schottky diode
- g) ECO1000BR1000 standard base, 1000Ω resistor
- h) ECO1000BR1000SD standard base, 1000Ω resistor & schottky diode
- i) ECO1000DB deep base
- j) ECO1000DBR deep base with 470Ω resistor
- k) ECO1000DBRSD deep base with 470Ω resistor and schottky diode
- l) WB-1 Wet base



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- a) EC-ADAPT, Bulkhead Adaptor
- b) EC-BASE, Standard detector base with 470Ω resistor

Limitations of Use**System Sensor Europe****ECO1002****Notes:**

- 1) Meets the requirements of EN 54-5: 2000 at class A1R and EN 54-7: 2000 at pre-set sensitivity.

ECO1002, ECO1003, ECO1005, ECO1005T, ECO1004T

- 1) The combination of any standard base, a) to h) above, with WB-1 Wet base is excluded from this certification.

2) IP Ratings:

ECO1003;

- IP40 when used with any standard ECO1000 base
- IP43 when used in conjunction with the WB-1 Wet base

ECO1002, ECO1004T, ECO1005 & ECO1005T;

- IP20 when used with any standard ECO1000 base
- IP23 when used in conjunction with the WB-1 Wet base

Note that the WB-1 Wet base must always be used in conjunction with a deep base (base reference i, j & k listed above).

- 3) The devices have been tested to the prescribed vibration levels for general use.

- 4) The detectors have not been considered for cabin balcony applications.

Consilium Marine & Safety AB:

- 1) The devices when used with any designated base have been tested to a protection rating of IP20.

- 2) The devices have been tested to the prescribed vibration levels for general use.

- 3) The detectors have not been considered for cabin balcony applications.



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This Certificate does not apply to equipment which has been varied or modified from the systems tested. The manufacturer must submit modified equipment for consideration by this Agency prior to any modifications being made to equipment supplied to market.

This certificate does not entitle the manufacturer to place the EU mark of conformity (Wheel mark) and Notified body number on the product, unless conformity assessment module D or E or F have been carried out in addition to Module B.



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