




Date: January 29, 2020

CERTIFICATE OF COMPLIANCE

| This certificate of compliance validates the following | | | |
|--|--|---------------------|---|
| TEST REPORT NUMBER | 1. 5075/BA/2011 2. 506/BA/17 | CERTIFICATE NUMBER | DC – UAE – 0146 |
| DATE OF ISSUE | 1. May 16, 2011 2. March 15, 2018 | DATE OF ISSUE | January 29, 2020 |
| DATE OF EXPIRY | Not applicable | DATE OF EXPIRY | July 3, 2028 |
| Manufacturer details | | | |
| NAME OF FACTORY / MANUFACTURER | POLON-ALFA S.A. | NAME OF THE BRAND | POLON-ALFA |
| FACTORY ADDRESS / REGION | ul. Glinki 155 85-861 Bydgoszcz Republic of Poland | MODEL / NO | DUR-4047 |
| WEBSITE | www.polon-alfa.pl | LOGO ON THE PRODUCT |  |
| TELEPHONE | +48 52 36 39 269 | EMAIL | export@polon-alfa.pl tomasz.piaskowski@polon-alfa.pl |






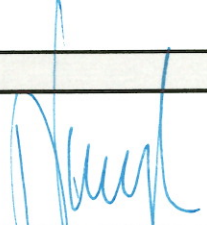

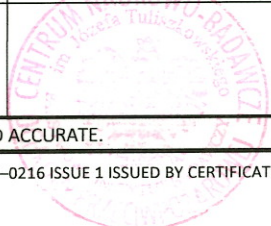
| Product Details From Test Report | | | Reference Test Report Page No. | |
|--|---|--|---|--|
| DESCRIPTION OF THE PRODUCT | Point detectors using scattered light, transmitted light or ionization and using radio links - Universal wireless optical smoke detector type DUR-4047 (Detailed specification below) | | 3 (5075/BA/2011) (506/BA/17) | |
| TESTS STANDARD | EN 54-7:2000 + A1:2002 + A2:2006 Fire detection and fire alarm systems - Part 7: Smoke detectors - Point detectors using scattered light, transmitted light or ionization EN 54-25:2008+AC:2010 Fire detection and fire alarm systems - Part 25: Components using radio links | | 5-7 (5075/BA/2011) 6 (506/BA/17) | |
| TESTS DESCRIPTION | Requirements, test methods and performance criteria for universal wireless optical smoke detector intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building. | | 5-7 (5075/BA/2011) 6-7 (506/BA/17) | |
| SPECIFICATION OF TEST SPECIMEN | Type: | DUR-4047 | 3-4 (5075/BA/2011) (506/BA/17) | |
| | Detachable detector: | yes | | |
| | Connection of ancillary devices: | no | | |
| | On-site adjustment of response behaviour: | yes | | |
| | Fire sensitivity: | TF2, TF3, TF4, TF5 | | |
| | Supply voltage [V DC]: | 3 | | |
| | Quiescent current [A]: | < 0,000080 | | |
| | Alarm current [A]: | < 0,001 | | |
| | Protection against the ingress of foreign bodies: | Detector is designed that a sphere of a diameter of (1,3 ± 0,05) mm cannot pass into the sensor chamber. | | |
| | Operating temperature [°C]: | -10 ÷ +55 | | |
| | Material of housing: | plastic material | | |
| | Dimensions [mm]: | ∅ 115 x 54 with a socket G-40 | | |
| | Mass [g]: | 200 | | |
| Type of radio adapter: | ACR-4001 | | | |
| Frequency range of radio track [MHz]: | 863 ÷ 870 | | | |
| TESTS RESULTS | EN 54-7 | Response to slowly developing fires | PASS | 7-8 (5075/BA/2011) 8-21 (506/BA/17) |
| | EN 54-7 | Repeatability | PASS | |
| | EN 54-7 | Directional dependence | PASS | |
| | EN 54-7 | Reproducibility | PASS | |
| | EN 54-7 | Air movement | PASS | |
| | EN 54-7 | Dazzling | PASS | |
| | EN 54-7 | Fire sensitivity | PASS | |
| | EN 54-7 | Individual alarm indication | PASS | |
| | EN 54-7 | Connection of ancillary devices | NOT APPLICABLE | |
| | EN 54-7 | Monitoring of detachable detectors | PASS | |
| | EN 54-7 | Manufacturer's adjustments | PASS | |
| | EN 54-7 | On-site adjustment of response behaviour | PASS | |
| | EN 54-7 | Protection against the ingress of foreign bodies | PASS | |
| | EN 54-7 | Marking | PASS | |
| | EN 54-7 | Data | PASS | |
| | EN 54-7 | Additional requirements for software controlled detectors | PASS | |
| | EN 54-7 | Variation in supply parameters | PASS | |
| | EN 54-7 | Dry heat (operational) | PASS | |
| | EN 54-7 - EN 60068-2-1 | Cold (operational) | PASS | |
| | EN 54-7 - EN 60068-2-27 | Shock (operational) | PASS | |
| | EN 54-7 | Impact (operational) | PASS | |
| | EN 54-7 - EN 60068-2-6 | Vibration, sinusoidal (operational) | PASS | |
| | EN 54-7 - EN 60068-2-6 | Vibration, sinusoidal (endurance) | PASS | |
| | EN 54-7 - EN 60068-2-56 | Damp heat, steady state (operational) | PASS | |
| | EN 54-7 - EN 60068-2-56 | Damp heat, steady state (endurance) | PASS | |
| | EN 54-7 - EN 60068-2-42 | Sulphur dioxide (SO ₂) corrosion (endurance) | PASS | |
| | EN 54-7 - EN 50130-4 | Electromagnetic compatibility (EMC), immunity (operational) | PASS | |
| * Not applicable for tests in compliance with EN 50130-4:1995+A1:1998 point 11, 12 and 13. | | | | |



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|--------------------------------------|--|---|----------------|----------------|
| | EN 54-25 | General | PASS | |
| | EN 54-25 | Alarm signal integrity | PASS | |
| | EN 54-25 | General | PASS | |
| | EN 54-25 | Reproducibility test | PASS | |
| | EN 54-25 | Test for alarm signal integrity | PASS | |
| | EN 54-25 | Test for mutual disturbance between systems of the same manufacturer | PASS | |
| | EN 54-25 | Immunity to site attenuation | PASS | |
| | EN 54-25 | Identification of the RF linked component | PASS | |
| | EN 54-25 | Receiver performance | PASS | |
| | EN 54-25 | Immunity to interference | PASS | |
| | EN 54-25 | Loss of communication | PASS | |
| | EN 54-25 | Antenna | PASS | |
| | EN 54-25 | Power supply equipment | PASS | |
| | EN 54-25 | Environmental related requirements | PASS | |
| | EN 54-25 | Documentation | PASS | |
| | EN 54-25 | Marking | PASS | |
| | EN 54-25 | Test for immunity to site attenuation | PASS | |
| | EN 54-25 | Test for identification of RF linked components | PASS | |
| | EN 54-25 | Test for the receiver performance | PASS | |
| | EN 54-25 | Test of compatibility with other band users | PASS | |
| | EN 54-25 | Test for the detection of a loss of communication on a link | PASS | |
| | EN 54-25 | Test of antenna | PASS | |
| | EN 54-25 | General | PASS | |
| | EN 54-25 | Test schedule for components tests | PASS | |
| | EN 54-25 | Verification of the service life of the autonomous power source(s) | PASS | |
| | EN 54-25 | Test for the low power condition fault signal | PASS | |
| | EN 54-25 | Test for the polarity reversal | PASS | |
| | EN 54-25 | Repeatability test | PASS | |
| | EN 54-25 - EN 60068-2-2 | Dry heat (operational) | PASS | |
| | EN 54-25 - EN 60068-2-2 | Dry heat (endurance) | PASS | |
| | EN 54-25 - EN 60068-2-1 | Cold (operational) | PASS | |
| | EN 54-25 - EN 60068-2-27 | Shock (operational) | PASS | |
| | EN 54-25 | Impact (operational) | PASS | |
| | EN 54-25 - EN 60068-2-6 | Vibration, sinusoidal (operational) | PASS | |
| | EN 54-25 - EN 60068-2-6 | Vibration, sinusoidal (endurance) | PASS | |
| | EN 54-25 - EN 60068-2-30 | Damp heat, cyclic (operational) | NOT APPLICABLE | |
| | EN 54-25 - EN 60068-2-78 | Damp heat, steady state (operational) | PASS | |
| | EN 54-25 - EN 60068-2-78 | Damp heat, steady state (endurance) | PASS | |
| | EN 54-25 - EN 60068-2-42 | SO ₂ -corrosion (endurance) | PASS | |
| | EN 54-25 - EN 50130-4 | Electromagnetic compatibility (EMC), immunity tests (operational) | PASS | |
| | * Not applicable for tests in compliance with EN 50130-4:1995+A1:1998 point 7, 8, 11, 12 and 13. | | | |
| PRODUCT APPLICATION GUIDELINE | KK-E315/05.2019 KK-E315/05.2019/EN | The universal wireless optical smoke detector type DUR-4047 is designed for detection of smoke. It is an analogue detector with automatic sensitivity self-compensation. Universal wireless optical smoke detector type DUR-4047 has to be used with fire detection and fire alarm systems. | | Not applicable |





| Laboratory and Certification Body Details | | | |
|--|--|-------------------------------------|---|
| NAME OF CERTIFICATION BODY | CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej Państwowy Instytut Badawczy | NAME OF TEST FACILITY | CNBOP-PIB Zespół Laboratoriów Sygnalizacji Alarmu Pożaru i Automatyki Pożarniczej |
| CERTIFICATION BODY ADDRESS / REGION | ul. Nadwiślańska 213 05-420 Józefów REPUBLIC OF POLAND | TEST FACILITY ADDRESS / REGION | ul. Nadwiślańska 213 05-420 Józefów REPUBLIC OF POLAND |
| WEBSITE | www.cnbop.pl | WEBSITE | www.cnbop.pl |
| TELEPHONE | +48 22 769 33 47 | TELEPHONE | +48 22 769 32 26 |
| EMAIL | jcw@cnbop.pl | EMAIL | ba@cnbop.pl |
| ACCREDITED BY | Polish Centre for Accreditation http://www.pca.gov.pl | ACCREDITED BY | Polish Centre for Accreditation http://www.pca.gov.pl |
| AS PER | EN ISO/IEC 17065 Requirements for bodies certifying products, processes and services | AS PER | EN ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories |
| VALIDITY | October 3, 2022 | VALIDITY | October 11, 2021 |
| REFERENCE NUMBER | AC 063 | REFERENCE NUMBER | AB 207 |
| CERTIFICATION MARK |  | | |
| (ENDORSEMENT) TO BE SIGNED BY MANUFACTURER | | | |
| NAME AND SURNAME OF MANUFACTURERS SIGNATORY | Dariusz Nagański | SIGNATURE |  |
| EMAIL / TELEPHONE | +48 52 36 39 261 export@polon-alfa.pl | FACTORY OFFICIAL SEAL | POLON-ALFA S.A. ul. Glinki 155 85-861 BYDGOSZCZ |
| NOTES | I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE. | | |
| (ENDORSEMENT) TO BE CERTIFICATION BODY | | | |
| NAME AND SURNAME OF CERTIFICATION BODY SIGNATORY | st. bryg. dr inż. Paweł Janik | SIGNATURE |  |
| EMAIL / TELEPHONE | cnbop@cnbop.pl +48 22 769 33 00 | CERTIFICATION BODY OFFICIAL SEAL |  |
| NOTES | I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE. | | |

ATTACHEMENT:

COPY OF "CERTIFICATE OF CONSTANCY OF PERFORMANCE" NO. 1438-CPR-0216 ISSUE 1 ISSUED BY CERTIFICATION BODY