# Product Environmental Profile

## Intellia Multi-Sensor Detector EDI-30

# General information

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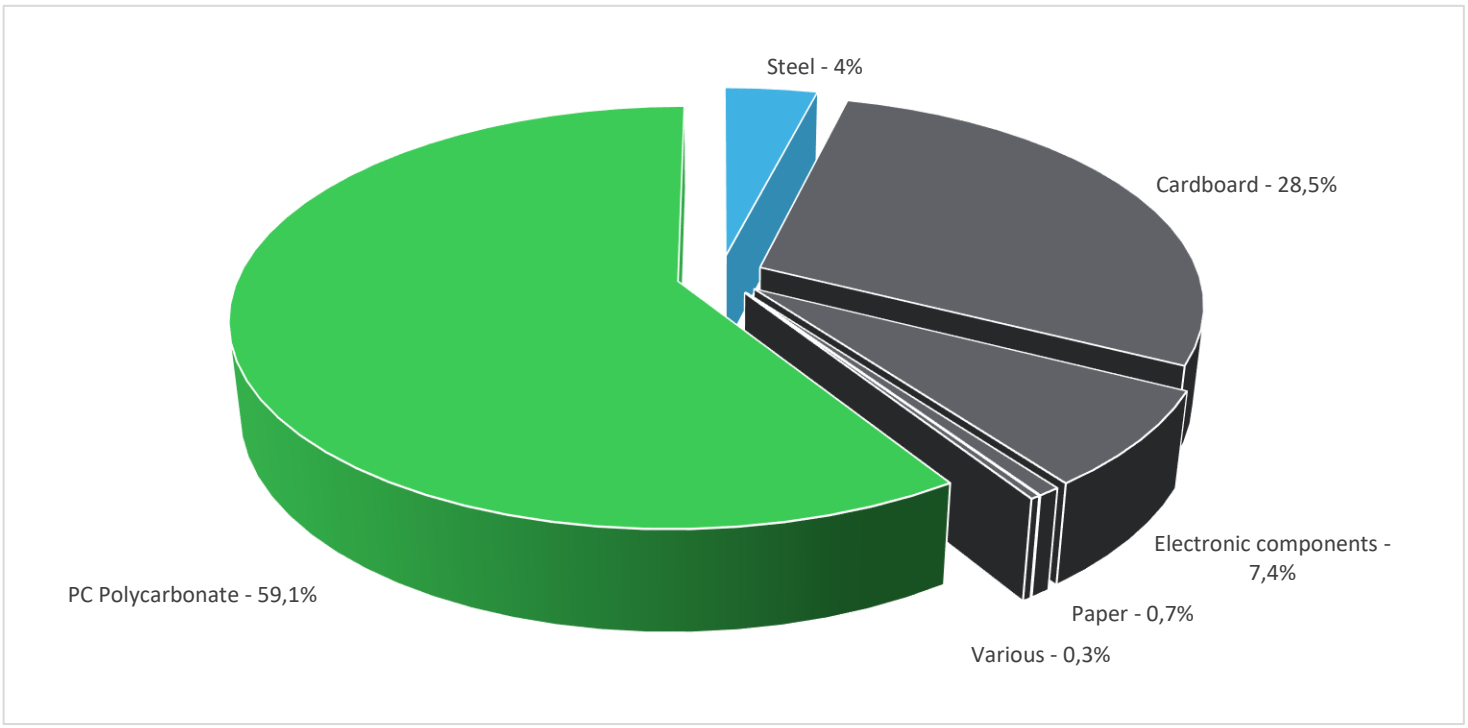
|---|---|
| **Representative product** | Intellia Multi-Sensor Detector EDI-30 - FFS06720230 |
| **Description of the product** | Detector of smoke and heat in fire detection system. |
| **Functional unit** | To detect smoke and/or heat and configurable in five different modes, during 10 years. |

# Constituent materials

| | | |
|---|---|---|
| **Reference product mass** | 135 g | including the product, its packaging and additional elements and accessories |




| | | |
|---|---|---|
| | Plastics | 59,1% |
| | Metals | 4,0% |
| | Others | 36,9% |

# Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 2 January 2013, amended in March 2015, 2015/863/EU and in November 2017, 2017/2102/EU) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers – PBDE), Bis (2-ethylhexyl)phthalate - DEHP, Benzyl butyl phthalate– BBP, Dibutyl phthalate - DBP, Diisobutyl phthalate - DIBP) as mentioned in the Directive.

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website

http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page

# Additional environmental information

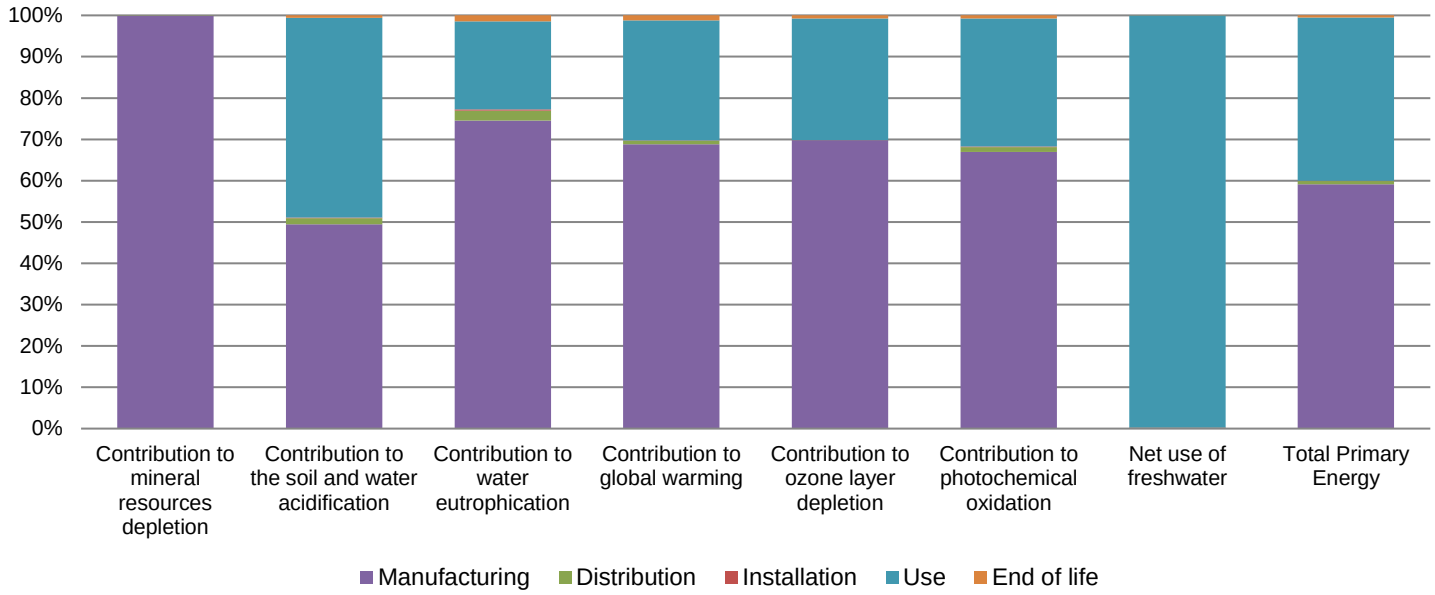
| The Intellia Multi-Sensor Detector EDI-30 presents the following relevent environmental aspects | |
|---|---|
| **Manufacturing** | Manufactured at a ISO14001 certified production site. |
| **Distribution** | Weight and volume of the packaging optimized, based on the European Union's packaging directive<br>Packaging weight is 40,9 g, consisting of Cardboard 100%<br>Packaging recycled materials is 60% of total packaging mass.<br>Product distribution optimised by setting up local distribution centres |
| **Installation** | Ref FFS06720230 does not require any installation operations. |
| **Use** | The product does not require special maintenance operations. |
| **End of life** | End of life optimized to decrease the amount of waste and allow recovery of the product components and materials<br>This product contains 1 electronic card (10,5g) that should be separated from the stream of waste so as to optimize end-of-life treatment.<br>The location of these components and other recommendations are given in the End of Life Instruction document which is available on the Schneider-Electric Green Premium website<br>http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page<br>Recyclability potential: **85%** Based on “ECO’DEEE recyclability and recoverability calculation method” (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME). |

# Environmental impacts

| | |
|---|---|
| **Reference life time** | 10 years |
| **Product category** | Other equipments - Active product |
| **Installation elements** | Disposal of packaging materials is accounted for in the installation phase (including transport to disposal). |
| **Use scenario** | The product is in active mode 1% of the time with a power use of 0.1W and in stand-by mode 99% of the time with a power use of 0.014W, for 10 years |
| **Geographical representativeness** | Europe |
| **Technological representativeness** | Detector of smoke and heat in fire detection system. |

| **Energy model used** | **Manufacturing** | **Installation** | **Use** | **End of life** |
|---|---|---|---|---|
| | Energy model used: UK | Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27 | Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27 | Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27 |

| **Compulsory indicators** | **Intellia Multi-Sensor Detector EDI-30 - FFS06720230** | | | | | | |
|---|---|---|---|---|---|---|---|
| **Impact indicators** | **Unit** | Total | Manufacturing | Distribution | Installation | Use | End of Life |
| Contribution to mineral resources depletion | kg Sb eq | 5,53E-05 | 5,52E-05 | 0* | 0* | 5,54E-08 | 0* |
| Contribution to the soil and water acidification | kg $SO_2$ eq | 5,51E-03 | 2,72E-03 | 7,95E-05 | 9,23E-06 | 2,66E-03 | 3,36E-05 |
| Contribution to water eutrophication | kg $PO_4^{3-}$ eq | 7,55E-04 | 5,63E-04 | 1,83E-05 | 2,24E-06 | 1,61E-04 | 1,12E-05 |
| Contribution to global warming | kg $CO_2$ eq | 2,19E+00 | 1,51E+00 | 1,74E-02 | 2,22E-03 | 6,38E-01 | 2,65E-02 |
| Contribution to ozone layer depletion | kg CFC11 eq | 1,41E-07 | 9,87E-08 | 3,53E-11 | 0* | 4,15E-08 | 1,07E-09 |
| Contribution to photochemical oxidation | kg $C_2H_4$ eq | 4,71E-04 | 3,15E-04 | 5,68E-06 | 6,90E-07 | 1,46E-04 | 3,34E-06 |
| **Resources use** | **Unit** | Total | Manufacturing | Distribution | Installation | Use | End of Life |
| Net use of freshwater | m3 | 2,32E+00 | 5,16E-03 | 0* | 0* | 2,31E+00 | 0* |
| Total Primary Energy | MJ | 3,22E+01 | 1,91E+01 | 2,46E-01 | 2,89E-02 | 1,27E+01 | 1,60E-01 |




| Optional indicators | | Intellia Multi-Sensor Detector EDI-30 - FFS06720230 | | | | | |
|---|---|---|---|---|---|---|---|
| **Impact indicators** | **Unit** | Total | Manufacturing | Distribution | Installation | Use | End of Life |
| Contribution to fossil resources depletion | MJ | 1,88E+01 | 1,11E+01 | 2,45E-01 | 2,87E-02 | 7,24E+00 | 1,29E-01 |
| Contribution to air pollution | m³ | 1,49E+02 | 1,20E+02 | 7,41E-01 | 8,83E-02 | 2,75E+01 | 1,14E+00 |
| Contribution to water pollution | m³ | 6,57E+02 | 6,26E+02 | 2,86E+00 | 3,36E-01 | 2,63E+01 | 1,64E+00 |
| **Resources use** | **Unit** | Total | Manufacturing | Distribution | Installation | Use | End of Life |
| Use of secondary material | kg | 4,07E-02 | 4,07E-02 | 0* | 0* | 0* | 0* |
| Total use of renewable primary energy resources | MJ | 1,99E+00 | 3,65E-01 | 3,28E-04 | 0* | 1,62E+00 | 0* |
| Total use of non-renewable primary energy resources | MJ | 3,02E+01 | 1,87E+01 | 2,46E-01 | 2,89E-02 | 1,11E+01 | 1,60E-01 |
| Use of renewable primary energy excluding renewable primary energy used as raw material | MJ | 1,87E+00 | 2,46E-01 | 3,28E-04 | 0* | 1,62E+00 | 0* |
| Use of renewable primary energy resources used as raw material | MJ | 1,19E-01 | 1,19E-01 | 0* | 0* | 0* | 0* |
| Use of non renewable primary energy excluding non renewable primary energy used as raw material | MJ | 2,73E+01 | 1,57E+01 | 2,46E-01 | 2,89E-02 | 1,11E+01 | 1,60E-01 |
| Use of non renewable primary energy resources used as raw material | MJ | 2,97E+00 | 2,97E+00 | 0* | 0* | 0* | 0* |
| Use of non renewable secondary fuels | MJ | 0,00E+00 | 0* | 0* | 0* | 0* | 0* |
| Use of renewable secondary fuels | MJ | 0,00E+00 | 0* | 0* | 0* | 0* | 0* |
| **Waste categories** | **Unit** | Total | Manufacturing | Distribution | Installation | Use | End of Life |
| Hazardous waste disposed | kg | 2,50E-01 | 1,24E-01 | 0* | 0* | 3,33E-04 | 1,25E-01 |
| Non hazardous waste disposed | kg | 3,23E+00 | 8,56E-01 | 6,19E-04 | 0* | 2,38E+00 | 4,74E-04 |
| Radioactive waste disposed | kg | 2,04E-03 | 4,53E-04 | 4,41E-07 | 0* | 1,59E-03 | 8,46E-07 |
| **Other environmental information** | **Unit** | Total | Manufacturing | Distribution | Installation | Use | End of Life |
| Materials for recycling | kg | 1,38E-01 | 1,31E-02 | 0* | 4,07E-02 | 0* | 8,44E-02 |
| Components for reuse | kg | 0,00E+00 | 0* | 0* | 0* | 0* | 0* |
| Materials for energy recovery | kg | 5,34E-03 | 0* | 0* | 0* | 0* | 5,34E-03 |
| Exported Energy | MJ | 1,29E-04 | 1,22E-05 | 0* | 1,17E-04 | 0* | 0* |

** represents less than 0.01% of the total life cycle of the reference flow*

*Life cycle assessment performed with EIME version EIME v5.8.1, database version 2016-11 in compliance with ISO14044.*

The manufacturing phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

*Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.*

| | | | |
|---|---|---|---|
| *Registration number :* | SCHN-00506-V01.01-EN | *Drafting rules* | PCR-ed3-EN-2015 04 02 |
| *Verifier accreditation N°* | VH30 | *Supplemented by* | PSR-0005-ed2-EN-2016 03 29 |
| *Date of issue* | 05/2020 | *Information and reference documents* | www.pep-ecopassport.org |
| | | *Validity period* | 5 years |

*Independent verification of the declaration and data, in compliance with ISO 14025 : 2010*

Internal X External

*The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)*

*PEP are compliant with XP C08-100-1 :2016*

*The elements of the present PEP cannot be compared with elements from another program.*

*Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »*

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