

# Product Environmental Profile

## ION9K Power Logic Remote display



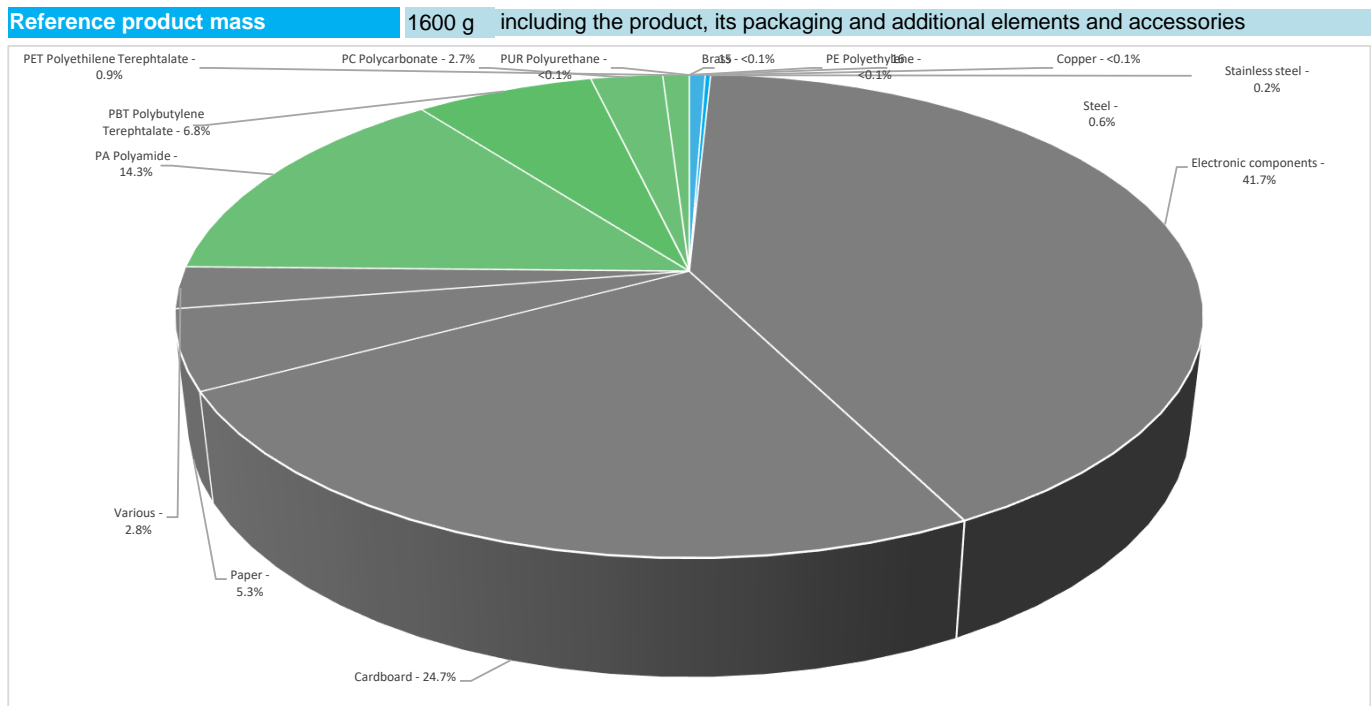


## General information

<b>Representative product</b>	ION9K Power Logic Remote display - METSERD192
<b>Description of the product</b>	Display (RD192) compatible with PowerLogic ION9000 series. 192mm by 192mm color graphical LCD with touchscreen interface. Viewable area: LCD touchscreen, 7 inches, 800 pixels by 480 pixels. Panel mounting using a 30 mm push-button hole or 1/4 DIN cutout. Ingress Protection IP65 (UL type 12) rating.
<b>Functional unit</b>	Display (RD192) is 192mm by 192mm color graphical LCD with a touchscreen interface. The information available from the display: power, energy consumption, harmonics, frequency, voltage, current, alarms, and input-output status. Auxiliary control power (Not required for PoE applications): 24 V DC $\pm$ 20% DC burden 10 W max. The Energy consumption is 10W power in active mode. A typical lifetime of the display is 10 years.



## Constituent materials



Plastics	24.7%
Metals	0.8%
Others	74.5%



## 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 ION9K Power Logic Remote display presents the following relevant environmental aspects

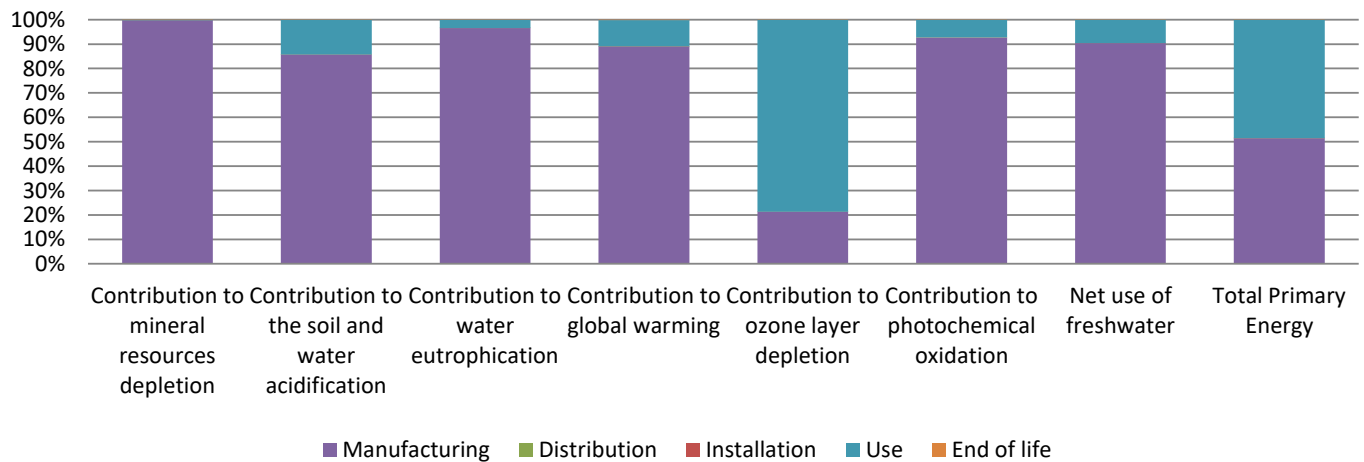
<b>Design</b>	Ref METSERD192 was designed to improve recyclability and reduce energy consumption over previous offers.
<b>Manufacturing</b>	Manufactured at a Schneider Electric production site ISO14001 certified
<b>Distribution</b>	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 473.3 g, consisting of Cardboard & paper (95.6 %), plastic (2.2 %) & others (2.2%)
<b>Installation</b>	Ref METSERD192 does not require any special installation operations. The disposal of the packaging materials is accounted for during the installation phase (including transport to disposal).
<b>Use</b>	The product does not require special maintenance operations.
<b>End of life</b>	<p>End of life optimized to decrease the amount of waste and allow recovery of the product components and materials</p> <p>This product contains Electronic Components (635.21 g) that should be separated from the stream of waste so as to optimize end-of-life treatment.</p> <p>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 <a href="http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page">http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page</a></p> <p>Recyclability potential: <b>22%</b> 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).</p>



## Environmental impacts

<b>Reference life time</b>	10 years			
<b>Product category</b>	Other equipments - Active product			
<b>Installation elements</b>	Ref METSERD192 does not require any special component for the installation operations. The disposal of the packaging materials is accounted for during the installation phase (including transport to disposal).			
<b>Use scenario</b>	Consumption is Max 10W in active mode and 100% runtime			
<b>Geographical representativeness</b>	Global: Europe			
<b>Technological representativeness</b>	<p>Display (RD192) compatible with PowerLogic ION9000 series. 192mm by 192mm color graphical LCD with touchscreen interface.</p> <p>Viewable area: LCD touchscreen, 7 inches, 800 pixels by 480 pixels. Panel mounting using a 30 mm push-button hole or 1/4 DIN cutout. Ingress Protection IP65 (UL type 12) rating.</p>			
<b>Energy model used</b>	<b>Manufacturing</b>	<b>Installation</b>	<b>Use</b>	<b>End of life</b>
	Energy model used: China	Electricity Mix; AC; consumption mix, at consumer; 1kV - 60kV; CH	Electricity Mix; AC; consumption mix, at consumer; 1kV - 60kV; CH	Electricity Mix; AC; consumption mix, at consumer; 1kV - 60kV; CH

Compulsory indicators		ION9K Power Logic Remote display - METSERD192					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	7.19E-03	7.17E-03	0*	0*	2.19E-05	0*
Contribution to the soil and water acidification	kg SO2 eq	9.51E-01	8.15E-01	3.10E-04	1.10E-04	1.35E-01	5.41E-04
Contribution to water eutrophication	kg PO43- eq	3.98E-01	3.84E-01	7.15E-05	0*	1.32E-02	3.78E-04
Contribution to global warming	kg CO2 eq	6.61E+02	5.89E+02	6.74E-02	0*	7.13E+01	9.27E-01
Contribution to ozone layer depletion	kg CFC11 eq	1.85E-04	3.94E-05	0*	0*	1.46E-04	2.08E-08
Contribution to photochemical oxidation	kg C2H4 eq	1.03E-01	9.55E-02	2.22E-05	0*	7.50E-03	4.96E-05
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	8.60E+00	7.78E+00	0*	0*	8.21E-01	0*
Total Primary Energy	MJ	1.58E+04	8.15E+03	0*	0*	7.69E+03	2.47E+00



Optional indicators		ION9K Power Logic Remote display - METSERD192					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	7.83E+03	7.51E+03	9.47E-01	0*	3.13E+02	1.86E+00
Contribution to air pollution	m³	4.89E+04	4.78E+04	0*	0*	1.08E+03	1.86E+01
Contribution to water pollution	m³	4.52E+04	4.36E+04	1.11E+01	0*	1.43E+03	1.64E+02
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	1.71E-03	1.71E-03	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	2.41E+03	1.18E+02	0*	0*	2.29E+03	0*
Total use of non-renewable primary energy resources	MJ	1.34E+04	8.03E+03	0*	0*	5.39E+03	2.47E+00
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	2.40E+03	1.09E+02	0*	0*	2.29E+03	0*
Use of renewable primary energy resources used as raw material	MJ	8.87E+00	8.87E+00	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.34E+04	8.02E+03	0*	0*	5.39E+03	2.47E+00
Use of non renewable primary energy resources used as raw material	MJ	1.63E+01	1.63E+01	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	4.55E+02	4.53E+02	0*	0*	0*	2.51E+00
Non hazardous waste disposed	kg	1.44E+02	9.54E+01	0*	1.81E-02	4.87E+01	0*
Radioactive waste disposed	kg	1.85E+00	1.81E-02	0*	0*	1.83E+00	0*

Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	7.72E-01	8.41E-02	0*	4.58E-01	0*	2.30E-01
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	6.69E-02	0*	0*	0*	0*	6.69E-02
Exported Energy	MJ	1.44E-03	1.35E-04	0*	1.30E-03	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.

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Verifier accreditation N°	VH39	Supplemented by	PSR-0005-ed2-EN-2016 03 29
Date of issue	08/2021	Information and reference documents	<a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>
		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010			
Internal	External	X	
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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