


**SIEMENS**

**Building Technologies**



# *Environmental Product Declaration*

<b>Product</b>	Type of equipment	<b>OP110</b>	
	Designation	<b>Photoelectric smoke detector</b>	
	Product line	<b>FD18C-MP2</b>	
<b>Process control</b>	Beijing Siemens Cerberus Electronic Ltd.		
	No. 1 Fengzhi Donglu, Xibeiwang Haidian District, Beijing 100094 PR China		
	Management System	since	by
	ISO 14001 (Environment)	<b>2000-10</b>	<b>SGS</b>
	ISO 9001 (Quality)	<b>2001-4</b>	<b>LPCB</b>
<b>Environmentally compatible product design</b>	Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying Siemens Standard SN 36350 "Environmentally compatible products".		
<b>Product use</b>	Typical energy consumption per year	<b>0 kWh/a</b>	
	Maintenance	<b>Not necessary NA</b>	
<b>Risk of fire</b>	Fire protection according to	<b>not applicable, delete row</b>	
	Fire load	<b>3 MJ</b>	
<b>Packaging</b>	20-PAP Corrugated fiber board	<b>Carton Box</b>	<b>44 g</b>
	Notes on disposal	<b>recyclable</b>	

<b>Materials</b>				Total weight device	<b>96 g</b>
Plastics	ABS	halogen-free	Upper cover		<b>41 g</b>
	PA6	halogen-free	Insect guard		<b>5 g</b>
	PC	halogen-free	LED Guider		<b>1 g</b>
	ABS	halogen-free	Labyinth		<b>24 g</b>
	ABS	halogen-free	PCB cover		<b>10 g</b>
Metals	CuZn	nickel plated	EMI Reciever shield		<b>2 g</b>
	Copper	nickel plated	EMI Case		<b>2 g</b>
PCB assembled	FR4	TBBA	SnNiCu	Blank Board	<b>13 g</b>
<b>Disposal</b>		The device is classified as waste electronic equipment in terms of the European Directive 2002/96/EC (WEEE) and should not be disposed of as unsorted municipal waste. The relevant national legal rules are to be adhered too. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.			

**Comments**

**Materials**

The device is free from substances banned by the Directive 2002/95/EC (RoHS):  
 Pb, Hg, Cr6+, PBB, PBDE: < 0.1 % by weight in homogeneous materials  
 Cd: < 0.01 % by weight in homogeneous materials

The device is halogen-free except the PCBs (TBBA)

The device is antimony-free.

**Environmental benefits**

- Serves for the early detectoin of fire.
- Very low power consumption.
- Easy removable. Disassembling is possible without any important effects regarding waste disposal.
- All component satisfy Rohs and mechanical part can recycle.

**This declaration is for information purpose only.**  
 This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.  
 Siemens Industry, Inc. therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.