



## *Environmental Product Declaration*

### Product

Device type	<b>FDCIO223 / FDCIO 223-CN</b>
Designation	<b>FDnet Transponder</b>
Product range	<b>FD 20</b>

### Process control

Siemens Switzerland Ltd Building Technologies Group Fire Safety & Security Products Gubelstrasse 22, CH-6301 Zug		
Management system certified	since	by
ISO 14001 (environment)	<b>6.12.2002</b>	<b>Gerling Cert</b>
ISO 9001 (quality)	<b>6.11.1989</b>	<b>SQS/VdS</b>

### Environmentally compatible product design

The device has been developed in accordance with the Siemens standard SN36350 'Environmentally compatible products'. This standard describes guidelines for the design of environmentally compatible products, and their integration into the product planning and development process. The purpose is to achieve optimum environmental compatibility of the products, taking into account all phases of the product lifecycle.

### Product use

Typical annual energy consumption	<b>appr. 7 kWh</b>
Maintenance	<b>none</b>
Environmental benefits	<b>see notes on page 2</b>

### Environmental risk (fire)

Fire load	<b>appr. 4 MJ</b>
Parts containing halogens (results in corrosive smoke)	<b>printed circuit board assembled</b>

### Packaging

20-PAP corrugated cardboard	<b>carton DJ1191</b>	<b>31 g</b>
PUR - foam	<b>expanded plastic sheet</b>	<b>4 g</b>
LDPE	<b>plastic bag</b>	<b>2 g</b>
Notes on disposal	<b>generic recycling is possible, see material identification</b>	

<b>Materials</b>		total weight of device	<b>103 g</b>
Plastics	PC	cover	<b>17 g</b>
	ABS, weight	module support	<b>31 g</b>
Metals		-----	<b>-- g</b>
Circuit boards with components	FR4, containing bromine, solder SnAgCu (with protection wax)	pcb assembled to FDCIO222	<b>54 g</b>
<b>Special Components</b>	2 SMD relays, without Cd	on circuit board	<b>( 17g)</b>
	5 terminal block single	on circuit board	<b>(18 g)</b>

(Parts with weights in brackets are already included in components declared under Materials.)

"The total weight of a device may deviate from the total of the weights of all its individual components due to rounding."

### Disposal



The device is a waste electronic equipment in terms of the European Directive 2002/96/EC (WEEE) and should not be disposed as part of unsorted municipal waste. The relevant national legal rules are to be paid attention. Use for disposal the systems set up to collect electric waste.

**Observe all local and applicable laws.**

### Notes

#### Accessories:

2 mounting feet FDCM291 PA 6.6 2 g

<b>Optional accessories:</b>		<b>Weight</b>	<b>Fire load</b>
<b>Housing FDCH291/2</b>	<b>IP 54 / IP 65</b>	<b>272 g</b>	<b>9.3 MJ</b>
<b>Housing base</b>	ASA	<b>155 g</b>	<b>5.7 MJ</b>
<b>Housing cover</b>	PC	<b>117 g</b>	<b>3.6 MJ</b>
<b>Terminal rail L= 122 mm</b>	zinc coated steel	<b>40 g</b>	-----
<b>Terminal rail L= 122 mm</b>	zinc coated steel	<b>90 g</b>	-----

### Environmental benefits

Easily removable. Disassembling is possible without any important effects regarding waste disposal.

#### Legal disclaimer: This declaration is for information purposes 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 Switzerland Ltd. 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.

If you require further information on environmental aspects and disposal, contact your local Siemens branch office.