Environmental Product Declaration

Product	Device type	**TXM1.6R**	
	Designation	**Relay module**	
	Range	**TX-I/O™**	
Process control	Siemens Switzerland Ltd Building Technologies Division Gubelstrasse 22, CH-6301 Zug		
	Management system certified	Since:	By:
	ISO 14001 (Environment)	**20 Oct. 1998**	**BSI**
	ISO 9001 (Quality)	**22 July 1986**	**BSI**
Environmentally compatible product design	The device was developed in compliance with Siemens standard SN36350, "Environmentally compatible products". This standard requires that the requirements for environmental protection be fulfilled at a level above the statutory minimum.		
Product use	Typical energy consumption per year	**Approx. 16 kWh**	
	Maintenance	**Not required**	
	Environmental benefits	**See notes on page 2**	
Environmental risk (fire)	Fire protection as per	**UL864**	
	Fire load	**Approx. 3.5 MJ**	
	Parts containing halogens (producing corrosive smoke)	**PCB assemblies**	
Packaging	Paperboard, cardboard boxes, paper	**Lock-bottom carton (20-PAP corrugated fiberboard) 21.9 g** **label (22-PAP paper) 0.1 g**	
	Notes on disposal	**RESY, can be recycled – notes on all important parts**	

Materials		Total weight of device	**231.9 g**
Plastics	PC, Lexan 940, fiberglass-free and halogen free	Housing, housing cover, base, slide fitting, terminal and island bus cover, cable shield holder	**97.6 g**
	PC, Lexan 940A, fiberglass-free and halogen free	Frame with fiber optic cable, hinged cover and address key	**10.3 g**
Metals	Bronze STOL76	Contact springs	**10.6 g**
	CuFe 2P	Busbar	**8 g**
	Steel	Address springs, terminal cages, slide fittings, screws	**18.4 g**
Circuit boards with components	FR4, 8 % bromium TBBA		**87 g**
Special components	Relay (contacts with AGSnO2)	On printed circuit board	(10 g)

(Parts whose weight is shown in brackets are already included in the components declared under "Materials".)

Disposal

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 to.
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 does not contain anti-wetting substances. No release agents containing silicone were used in the manufacture of the plastic components.

Environmental benefits:

The TX I/O module is part of the building automation and control system ensuring precise control of temperature, humidity and pressure in one building. Precise control prevents excessive setpoints, keeping energy consumption to a minimum.

The I/O concept guarantees that the modules are effectively employed within a plant.

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