



## *Environmental Product Declaration*

|  |   |  |
|--|---|--|
| <b>Product</b>                                   | Device type   | <b>TXM1.8U-ML</b>  |
|  | Designation   | <b>Universal module with LCD panel and local override</b>                                      |
|  | Range   | <b>TX-I/O™</b>   |
| <b>Process control</b>                           | Siemens Switzerland Ltd<br>Building Technologies Division<br>Gubelstrasse 22, CH-6301 Zug   |  |
|  | Management system certified   | Since: By:   |
|  | ISO 14001 (Environment)   | <b>20 Oct. 1998 BSI</b>  |
|  | ISO 9001 (Quality)  | <b>22 July 1986 BSI</b>  |
| <b>Environmentally compatible product design</b> | 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. |  |
| <b>Product use</b>                               | Typical energy consumption per year   | <b>Approx. 16 kWh</b>  |
|  | Maintenance   | <b>Not required</b>  |
|  | Environmental benefits  | <b>See notes on page 2</b>   |
| <b>Environmental risk (fire)</b>                 | Fire protection as per  | <b>UL864</b>   |
|  | Fire load   | <b>Approx. 3.6 MJ</b>  |
|  | Parts containing halogens (producing corrosive smoke)   | <b>PCB assemblies</b>  |
| <b>Packaging</b>                                 | Paperboard, cardboard boxes, paper  | <b>Lock-bottom carton (20-PAP corrugated fiberboard) 21.9 g<br/>label (22-PAP paper) 0.1 g</b> |
|  | Notes on disposal   | <b>RESY, can be recycled – notes on all important parts</b>                                    |

| <b>Materials</b>               |  | Total weight of device  | <b>198.5 g</b> |
|--------------------------------|--|---|----------------|
| Plastics                       | PC, Lexan 940, fiberglass-free and halogen free  | Housing, housing cover, base, slide fitting, terminal and island bus cover, cable shield holder | <b>95.6 g</b>  |
|                                | PC, Lexan 940A, fiberglass-free and halogen free | Frame with fiber optic cable, hinged cover and address key                                      | <b>10.3 g</b>  |
|                                | PET, polyethylene terephthalate                  |   | <b>0.6 g</b>   |
|                                | VMQ, HTV silicone rubber, contains silicone      |   | <b>2 g</b>     |
| Metals                         | Bronze STOL76                                    | Contact springs   | <b>11.6 g</b>  |
|                                | CuFe 2P  | Busbar  | <b>8 g</b>     |
|                                | Steel  | Address springs, terminal cages, slide fittings, screws   | <b>20.4 g</b>  |
| Circuit boards with components | FR4, 8 % bromium TBBA                            |   | <b>50 g</b>    |
| <b>Special components</b>      | LCD (15 cm <sup>2</sup> )                        | On printed circuit board  | (7.9 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. The silicone rubber mats were treated at 200 °C for 2 hours. The plastic parts were manufactured without mold-release agents containing silicone.

#### 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.

#### 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 assumes no liability for any error or for any consequences which may arise from the use of this information.

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