

Optional SD Memory Card of Logging Unit for Energy Measuring Module (EcoMonitorLight, EcoMonitorPlus)

Model EMU4-SD2GB

If you are considering using this card for special purpose such as nuclear power plants, aerospace, medical care or passenger vehicles please refer to our sales representative.

User's Manual

- Before using this memory card, read both this manual and that for the device this card is connected to carefully, and pay attention to safety to handle this card correctly.
- Make sure that the end users read this manual and then keep the manual in a safe place for future reference.

ABOUT MANUALS

You can download User's manual for Logging unit that this memory card is connected to for Energy Measuring Unit (EcoMonitorLight, EcoMonitorPlus) from the following site.

<http://www.mitsubishielectric.co.jp/haisei/lvs/downloads/handling.htm>

1. Features

- This SD memory card is the optional product of Logging Unit (Model:EMU4-LM) for Energy Measuring Unit (EcoMonitorLight, EcoMonitorPlus).
- This SD memory card is pre-formatted, so you can use it right out of the box.



The SD logos are either registered trademarks or trademarks of SD-3C, LLC.

2. Checking package contents

These following items for this device are included in package. Check that no items are missing.



(1) SD memory card x 1



(2) Case x 1



(3) User's manual x 1

3. Safety precautions

3.1 Precautions for operating environment and conditions

This memory card is premised on being used in pollution degree II* environment. When used in higher pollution degree, protect this card from pollution on another device side to be incorporated.

Do not use this card in the places listed below. Failure to follow the instruction may cause malfunctions and a life decrease of the card.

- Places the operating temperature exceeds the range from -5 to +55°C.
- Places the average daily temperature exceeds +35°C.
- Places the operating humidity exceeds the range from 30 to 85%RH or places with dewfall.
- Places metal fragments or conductive substance are flying.
- Operating altitude exceeds 2000m.
- Places in strong electromagnetic field or places large amounts of external noise exist.
- Dust, corrosive gas, saline and oil smoke exist.
- Vibration and impact exceed the specifications.
- Places exposed to direct sunlight.
- Places exposed to rain or water drop.

*: For the definition of the pollution degree and the over voltage category, refer to EN61010-1/2010.

3.2 Matters concerning the precaution before use

- Use this memory card in the specified usage environment and conditions.

3.3 Precautions for use

- For the way to connect or format this memory card, refer to the User's manual (Details) for the Logging Unit for Energy Measuring Unit (EcoMonitorLight, EcoMonitorPlus).

⚠ Caution • Do not disassemble or modify this card. It may cause failure, malfunction, injury or fire.

3.4 Maintenance precautions

- Use a soft dry cloth to clean off dirt of the memory card surface. Do not let a chemical cloth remain on the surface for an extended period of time nor wipe the surface with thinner or benzine.

3.5 Storage precautions

Put this memory card in the accompanying case for storage.

For long-time storage, avoid the following places. Failure to follow the instruction may cause a failure and reduced life of the card.

- Places the storage temperature exceeds the range from -10 to +60°C.
- Places the average daily temperature exceeds +35°C.
- Places exposed to rain, water drop or direct sunlight.
- Places the storage humidity exceeds the range from 30 to 85%RH or places with dewfall.
- Places metal fragments or conductive substance are flying.
- Vibration and impact exceed the specifications.
- Dust, corrosive gas, saline and oil smoke exist.

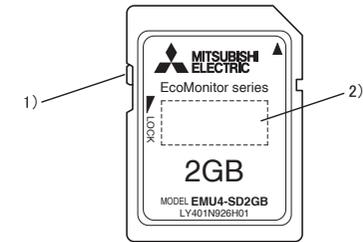
3.6 Disposal precautions

When disposing of this memory card, treat it as industrial waste.

3.7 About packaging materials and this manual

For reduction of environment load, packaging materials are produced with cardboard, and this manual is printed on recycled paper.

4. Name of each part



No.	Name of part	Use
(1)	Write-protect switch	Switch this to "LOCK" position to prevent from deleting and overwriting data of this memory card.
(2)	Memo space	Use it to note where this memory card is used etc.

5. Specifications

Item	Specifications	
SD memory card type	SD	
Amount of memory	2GB	
External dimensions	H	32mm
	W	24mm
	D	2.1mm
Weight	2g	

6. After-sales service

If you have any questions or the product is broken down, contact our sales representative near you.

- The gratis warranty is effective until the earlier of 1 year after the date of your purchase or 18 months after manufacturing. Repair shall be charged for the case failures occur due to your intent or fault even during the gratis warranty period.
- Our company shall not be liable to compensate for any loss arising from events not attributable to our company, opportunity loss and lost earning of the customer due to failure of the product, and loss, secondary loss, accident compensation, damage to other products besides our products and other operations caused by a special reason regardless of our company's predictability.

7. Contained harmful substances

(1) 电器电子产品有害物质限制使用标识



根据《电器电子产品有害物质限制使用管理办法》，该标记适用于在中国销售的电器电子产品，其中的数字为产品的环保使用期限。只要遵守本产品在使用方面的注意事项，从生产日算起的环保使用期限内不会造成环境污染或对人体、财产产生深刻的影响。注)产品正常使用废弃后，应按照国家地方的法律法规完成该电器电子产品的回收和再利用。

(2) 产品中有害物质的名称及含量

本产品中所含有的 6 种有害物质的名称、含有信息及含有部件如下表所示。

部件名称	产品中有害物质的名称及含量					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
基板	×	○	○	○	○	○
箱子	○	○	○	○	○	○
铭牌	○	○	○	○	○	○

本表格依据 SJ/T11364 的规定编制。

○：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

×：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T26572 规定的限量要求。

且虽然目前业界没有成熟的替代方案，但是符合欧盟 RoHS 指令要求。

8. Customer Service

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BUILDING, 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, Japan

Please refer to "catalog" or "user's manual (Details)" for more detail.