

**Notice of Specification Changes for Mitsubishi Energy Measuring Unit
EcoMonitorLight and EcoMonitorPlus due to revisions to UL Standards**

We would like to express our sincere gratitude for your continued patronage of the Energy Saving Supporting Devices, EcoMonitorLight and EcoMonitorPlus.

We would like to inform you that, in accordance with revisions to UL standards, we will be making the following changes to the Mitsubishi Energy Measuring Unit EcoMonitorLight and EcoMonitorPlus to ensure continued compliance with the standards.

1. Reason for Change

To ensure compliance with the latest revisions of UL Standards.

2. Effective Date

This change applies to products manufactured in August 2026 and thereafter.

*The actual shipping date may vary depending on stock availability.

3. Caution

Please note that systems combining **pre-revised models*** (manufactured before August 2026) with **revised models*** (manufactured in or after August 2026) are **not compliant with UL standards**. For further details, please contact your local distributor or representative.

*The compatible models are listed below.

Product		Model Name
EcoMonitorLight		EMU4-BD1A-MB, EMU4-HD1A-MB
EcoMonitorPlus	Basic Unit	EMU4-BM1-MB, EMU4-HM1-MB, EMU4-LG1-MB
	Extension Unit	EMU4-A2, EMU4-VA2, EMU4-AX4, EMU4-PX4
Optional Unit	Logging Unit	EMU4-LM
	Communication Unit	EMU4-CM-C, EMU4-CM-CIFB
Accessories	Split-core current sensor	EMU-CT50, EMU-CT100, EMU-CT250, EMU-CT400-A, EMU-CT600-A
	5 A split-core current sensor	EMU2-CT5, EMU2-CT5-4W
	5 A split-core current sensor cable	EMU2-CB-Q5A, EMU2-CB-Q5A-4W
	Extension cable	EMU2-CB-T1M, EMU2-CB-T5M, EMU2-CB-T10M, EMU2-CB-T1MS, EMU2-CB-T5MS, EMU2-CB-T10MS
	Display Unit	EMU4-D65
	Cables for display unit expansion	EMU2-CB1-DP, EMU4-CB-DPS
	Zero-phase Current transformer	ZT60B, ZT80B, ZT100B
	Panel-mounting option (For use with EcoMonitorLight only)	EMU4-PAT

Please note that availability may vary depending on stock status.

If UL compliant products are required, please consult your local distributor or representative.

■ In the case of EcoMonitorLight

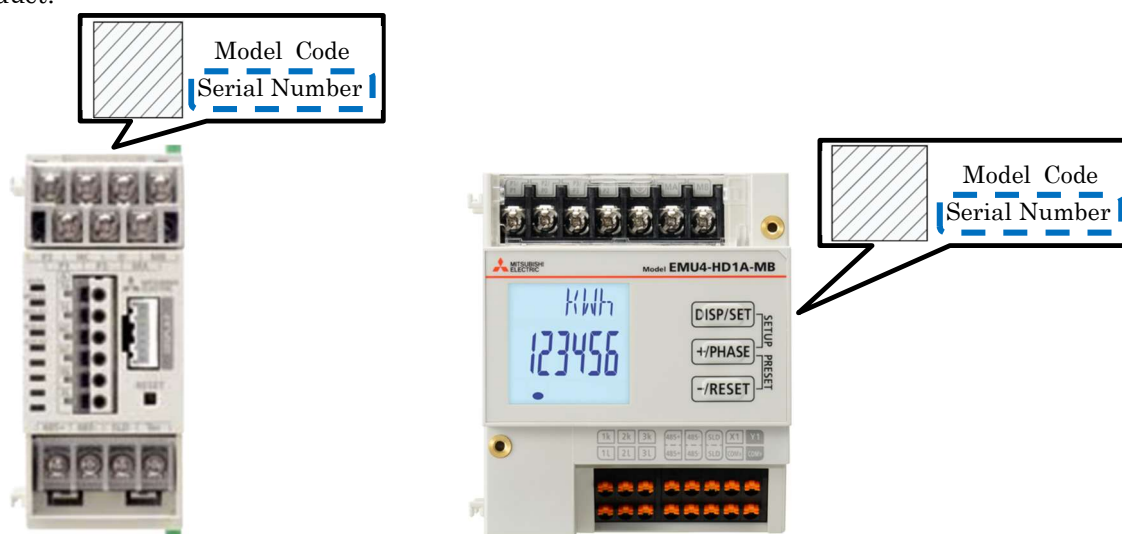
UL standards	Current sensor	Optional Unit	Energy Measuring Unit
Compliance	Products manufactured <u>Before</u> August 2026	Products manufactured <u>Before</u> August 2026	Products manufactured <u>Before</u> August 2026
Compliance	Products manufactured <u>from August 2026 onwards</u>	Products manufactured <u>from August 2026 onwards</u>	Products manufactured <u>from August 2026 onwards</u>
Non-Compliance	Combinations of products manufactured <u>Before/After</u> August 2026		

■ In the case of EcoMonitorPlus

UL standards	Current sensor	Optional Unit	Basic Unit	Extension Unit
Compliance	Products manufactured <u>Before</u> August 2026	Products manufactured <u>Before</u> August 2026	Products manufactured <u>Before</u> August 2026	Products manufactured <u>Before</u> August 2026
Compliance	Products manufactured <u>from August 2026 onwards</u>	Products manufactured <u>from August 2026 onwards</u>	Products manufactured <u>from August 2026 onwards</u>	Products manufactured <u>from August 2026 onwards</u>
Non-Compliance	Combinations of products manufactured <u>Before/After</u> August 2026			

[How to Check the Manufacturing Date]

The manufacturing date can be confirmed from the serial number label located on the top or side of the product.



[Serial Number Structure]

8 26 X XXXX ↳ Manufactured in August 2026

Year: Last two digits of the year (e.g., 2015 → 15): 06-99

Month: 1-9, 10 → X, 11 → Y, 12 → Z

4. Changes related to the current sensors for EcoMonitorLight and EcoMonitorPlus

4.1. Type

Product	Model Name
5 A split-core current sensor	EMU2-CT5, EMU2-CT5-4W
Split-core current sensor	EMU-CT50, EMU-CT100, EMU-CT250, EMU-CT400-A, EMU-CT600-A

4.2. Changes

(1) Changes to the information on the current sensor's rated nameplate

We will review the information on the current sensor's rated plate.

Item	Before	After
5 A split-core current sensor 【Example of EMU2-CT5】		
Split-core current sensor 【Example of EMU-CT50】		
Split-core current sensor 【Example of EMU-CT400-A】		

5. Changes related to EcoMonitorPlus

5.1. Type

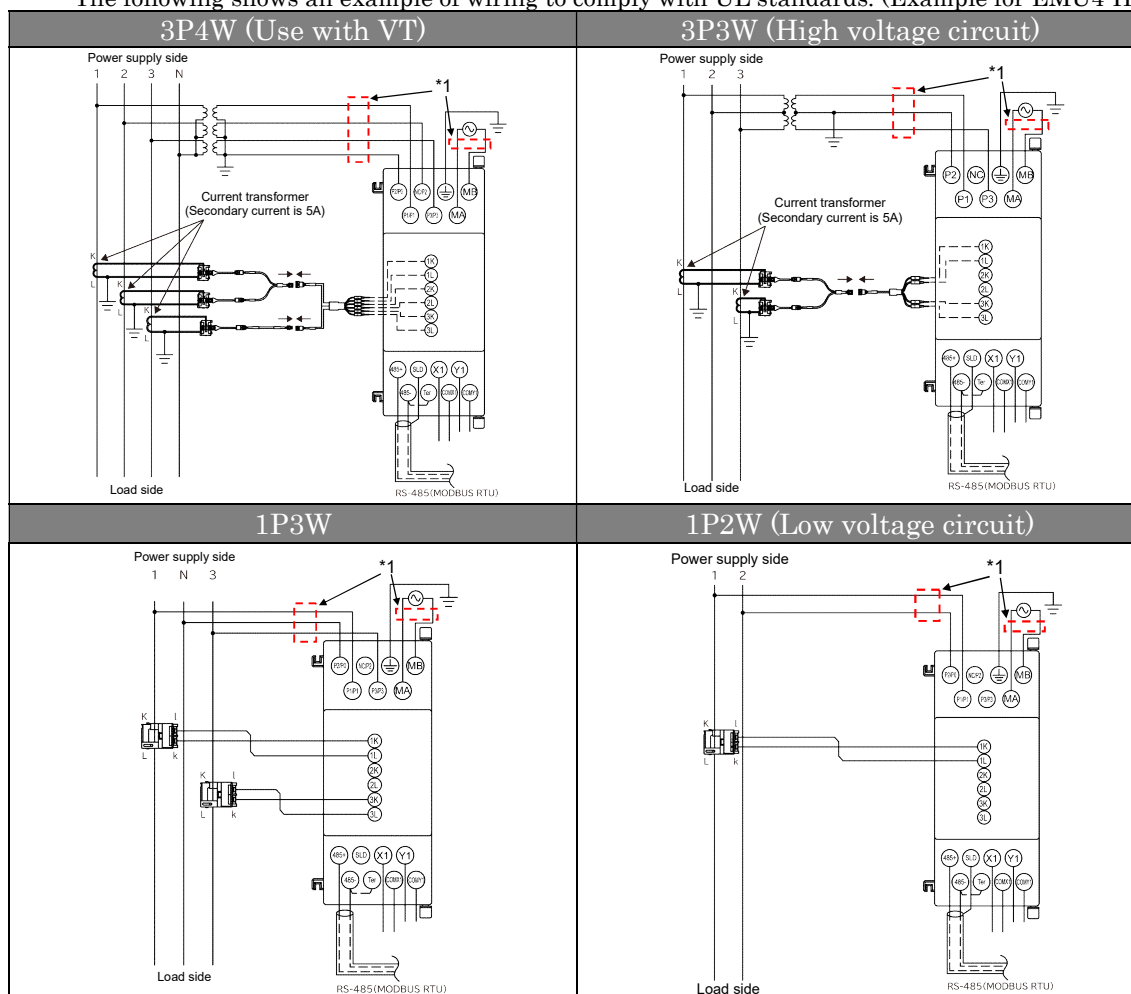
Product	Model Name
Basic Unit	EMU4-BM1-MB, EMU4-HM1-MB, EMU4-LG1-MB
Optional Unit	EMU4-LM, EMU4-CM-C
Extension Unit	EMU4-A2, EMU4-VA2, EMU4-PX4, EMU4-AX4
Display Unit	EMU4-D65

5.2. Changes

(1) Voltage Input Terminals and Auxiliary Power Terminals: Addition of overcurrent protection devices
When using this device as a product compliant with UL standards in North America, an overcurrent protection device must be provided.

※Final judgment must be in accordance with local laws and regulations.

The following shows an example of wiring to comply with UL standards. (Example for EMU4-HM1-MB)



*1: The following shows the recommended specifications for overcurrent protection devices based on the evaluation conditions at the time of UL certification.

■ For circuits other than branch circuits: Fuse

- Rated current: 0.5 A
- Breaking capacity: 250 V AC 1,500 A / 250 V DC 1,500 A
- UL certified

* Not to be used in branch circuits.

If the installation location is a branch circuit, install the branch circuit protection specified below.

* Not to be used for measurement circuits exceeding 250 V AC.

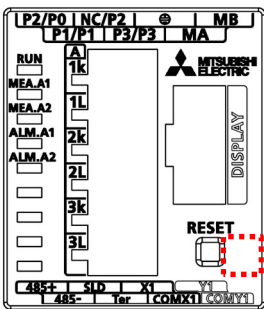
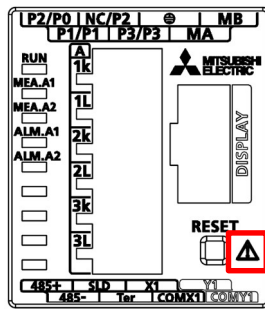
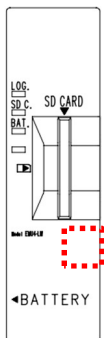
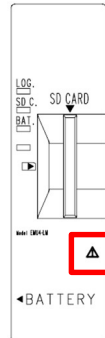
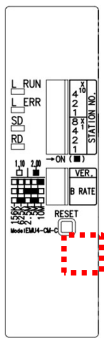
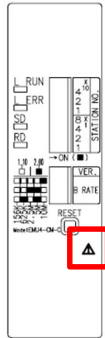
■ For branch circuits: Fuse or circuit-breaker (for branch circuit protection)

- Rated current: 1.0 A
- Rated voltage: Equal to or higher than the circuit voltage to be used
- UL certified

* Branch circuit protectors can be used for both branch circuits and other circuits.

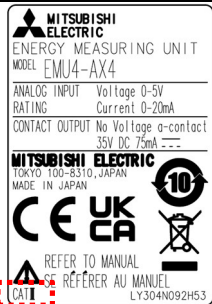
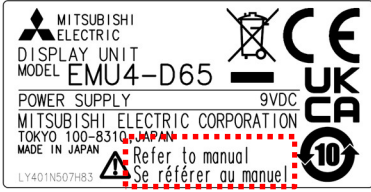
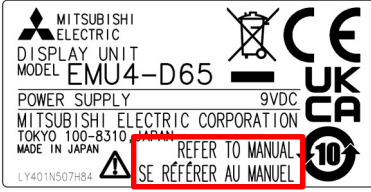
(2) Addition of a warning symbol

A warning symbol (⚠) will be added to the front of the product.

Item	Before	After
Basic Unit 【Example of EMU4-HM1-MB】		
Logging Unit 【EMU4-LM】		
CC-Link Communication Unit 【EMU4-CM-C】		

(3) Changes to the information on the rated nameplate

We will review the information on the rated nameplate.

Item	Before	After
Extension Unit 【Example of EMU4-AX4】		 Remove "CAT III"
Display Unit 【EMU4-D65】		 Change to uppcase

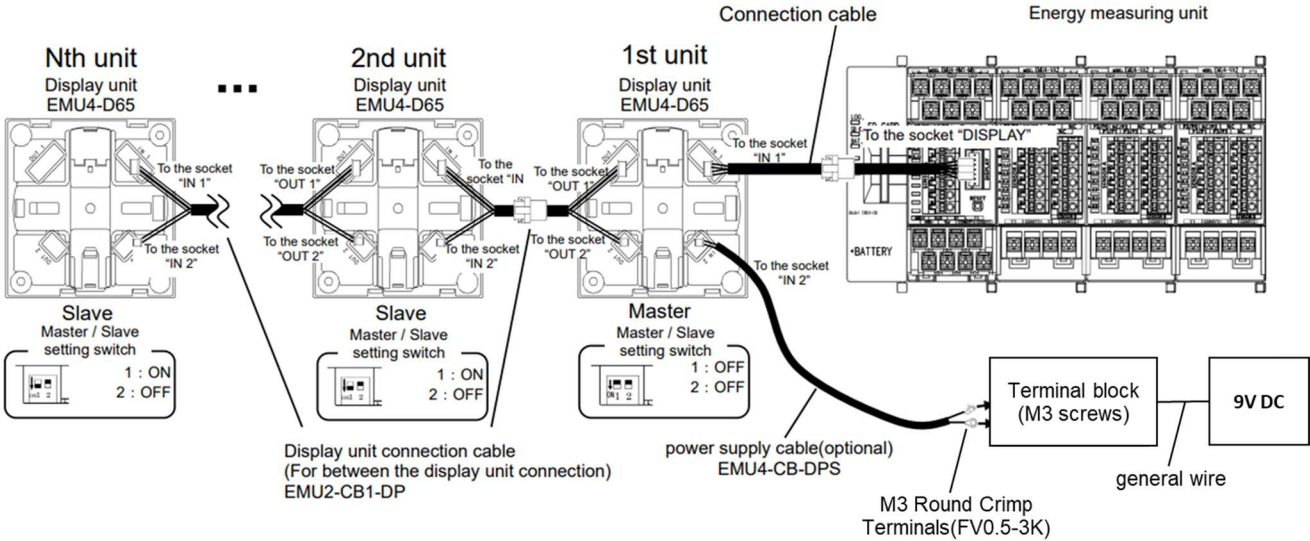
(4) Change to External Power Supply When Connecting Two or More Display Units in Compliance with UL Standards

When using EMU4-D65 display units as a product compliant with UL standards in North America, the external DC power supply (9 V) used for connecting two or more units must be changed. Additionally, an intermediate terminal block (M3 screws) must be installed for the connection.

■ External DC power supply (9 V)

Item	Before	After
Model	PBA15F-9	AJM-24S09
Manufacturer	COSEL Co., Ltd.	MINMAX Technology Co., Ltd
Output Voltage	9V DC	9V DC
Input Voltage Range	85 to 264V AC	85 to 264V AC

If connecting two or more display units to a single energy measuring unit, please connect them as follows.



- *If UL compliance is required, please use the following recommended terminal blocks and general wires.
- | | |
|---|---|
| [Recommended Terminal Blocks Specifications] | [Recommended General Wire Specifications] |
| •Voltage rating:300V | UL AWM Style 2405 |
| •Current rating:10A | •Voltage rating:300V |
| •Flame-retardant rating: V-0 or higher (UL-certified) | •Temperature rating:80℃ |
| | •Wire gauge: AWG 22 to 16 |

- (5) Installation Environment for Display Units in Compliance with UL Standards
- When the Display Unit (EMU4-D65) is used as a UL compliant product in North America, its installation is restricted to the inside of an enclosure.
- Use of the unit exposed outside the panel is not in compliance with UL standards.

- (6) Conductors suitable for use with zero-phase current transformers in Compliance with UL Standards
 When using zero-phase current transformers (ZT60B, ZT80B, ZT100B) as a UL compliant product in North America, use it within the range shown in the table below in an ambient temperature of 55°C (131°F).
 The wires used must be rated for 600 V AC or higher and have basic insulation for 220 V to ground.

Wiring type	Number of electric wire	Type of current wire	Applicable conductor size		
			(Acceptable current (A)) *1		
			ZT60B	ZT80B	ZT100B
1P2W	2	UL Listed or UL Recognized AWM (Copper, 90°C rated, Min. 600 V AC, Min. 1 AWG)	650 kcmil	1000 kcmil *2	1000 kcmil *2
			(361 A)	(467 A)	(467 A)
1P3W	3	UL Listed or UL Recognized AWM (Copper, 90°C rated, Min. 600 V AC, Min. 1 AWG)	500 kcmil	1000 kcmil	1000 kcmil *2
3P3W			(326 A)	(467 A)	(467 A)
3P4W	4	UL Listed or UL Recognized AWM (Copper, 90°C rated, Min. 600 V AC, Min. 1 AWG)	300 kcmil	650 kcmil	1000 kcmil *2
			(243 A)	(361 A)	(467 A)

*1 : Values represent the maximum allowable ampacity at an ambient temperature of 55°C (corrected based on NEC 2026).

*2 : Based on the UL certification scope, the wire size is limited to a maximum of 1000 kcmil.

Wire sizes exceeding the range in the table above (e.g., 1200 kcmil, 1450 kcmil, 1600 kcmil) are outside the scope of this UL certification. When using these sizes, the customer must evaluate the safety (allowable ampacity, temperature rise, etc.) based on the installation environment and usage conditions of the final product.