

### Specification change of Energy Measuring Unit

We would like to inform that we will change the specification of EMU as follows.

#### 1. Types

Product name	Model name
EMU Standard Model	EMU4-BD1A-MB
EMU High Performance Model	EMU4-HD1A-MB
EMU Energy Measuring Standard Model	EMU4-BM1-MB
EMU Energy Measuring High Performance Model	EMU4-HM1-MB
EMU Insulation Monitoring Model	EMU4-LG1-MB
EMU Energy Measuring Extension Model for Same Voltage System	EMU4-A2
EMU Energy Measuring Extension Model for Different Voltage System	EMU4-VA2
EMU Extension Model for Analog Input	EMU4-AX4
EMU Extension Model for Pulse Input	EMU4-PX4

#### 2. Content of change

EMU4-BD1A-MB, EMU4-HD1A-MB

Item	Before	After
Firmware version	02.00	02.01
Connectable optional unit	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB)	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB) ④CC-Link IE TSN communication unit (EMU4-CM-TSN)

EMU4-BM1-MB, EMU4-HM1-MB, EMU4-A2, EMU4-VA2

Item	Before	After
Firmware version	01.01	01.02
Connectable optional unit	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB)	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB) ④CC-Link IE TSN communication unit (EMU4-CM-TSN)

EMU4-LG1-MB

Item	Before	After
Firmware version	01.01	01.02
Connectable optional unit	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB)	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB) ④CC-Link IE TSN communication unit (EMU4-CM-TSN)

EMU4-AX4

Item	Before	After
Firmware version	01.00	01.01
Connectable optional unit	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB)	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB) ④CC-Link IE TSN communication unit (EMU4-CM-TSN)

#### EMU4-PX4

Item	Before	After
Firmware version	01.00	01.01
Connectable optional unit	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB)	①Logging unit (EMU4-LM) ②CC-Link communication unit (EMU4-CM-C) ③CC-Link IE Field Basic communication unit (EMU4-CM-CIFB) ④CC-Link IE TSN communication unit (EMU4-CM-TSN)

### **3. Reason for change**

To support CC-Link IE TSN communication unit (EMU4-CM-TSN scheduled to be released in December 2024)

### **4. Time of change**

From production in October 2024.

Please bear in mind that the exact start of production may change due to stock condition.

### **5. Remarks**

Following EMU will not have firmware version change due to the addition of CC-Link IE TSN communications unit (EMU4-CM-TSN)

- EMU General current transformer model (EMU4-FD1-MB)
- EMU Control unit (EMU4-CNT-MB)