

TECHNICAL BULLETIN

[Issue No.] EMS-YE-0002

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[Title] Announcement of Control Unit Remote Monitoring Tool release

[Date of Issue] March 2021

[Relevant Model] MITSUBISHI ELECTRIC Energy Measuring Unit Control Unit Remote Monitoring Tool

We would like to inform you that we release EcoMonitorPlus Control Unit Remote Monitoring Tool.

You shall be able to use it by downloading from MITSUBISHI ELECTRIC global FA website.

For details, please kindly refer to the following and the User's Manual (IB63F73).

1. Introduction

Energy Measuring Unit EcoMonitorPlus Control Unit Remote Monitoring Tool is software for monitoring control status and manually controlling of the Control Unit connected to Energy Saving Data Collecting Server (EcoWebServer III).

2. Features

- (1) It is possible to remotely confirm output status of the Control Unit via EcoWebServer III, even if there is no local area network available near the installation site of the Control Unit.
- (2) It is possible to manually control contact output and analog output.

3. Comparison table for functions of each tool

The following is the comparison table for functions of each tool in regard to Energy Measuring Unit Control Unit.

Table 1. Comparison table of functions

	Control Unit Engineering Tool (Model: EMU4-KNET)	Control Unit Remote Monitoring Tool	Energy Saving Data Collecting Server EcoWebServer III
Monitoring control status and manually control of the Control Unit	✓	✓	-
Acquiring measuring data of the extension unit which is attached to Control Unit	△ (Only monitor present value)	-	✓

*For control setting and maintenance (outputting event logs, etc.) of the Control Unit, Control Unit Engineering Tool(Another software) shall be required.

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4. System configuration

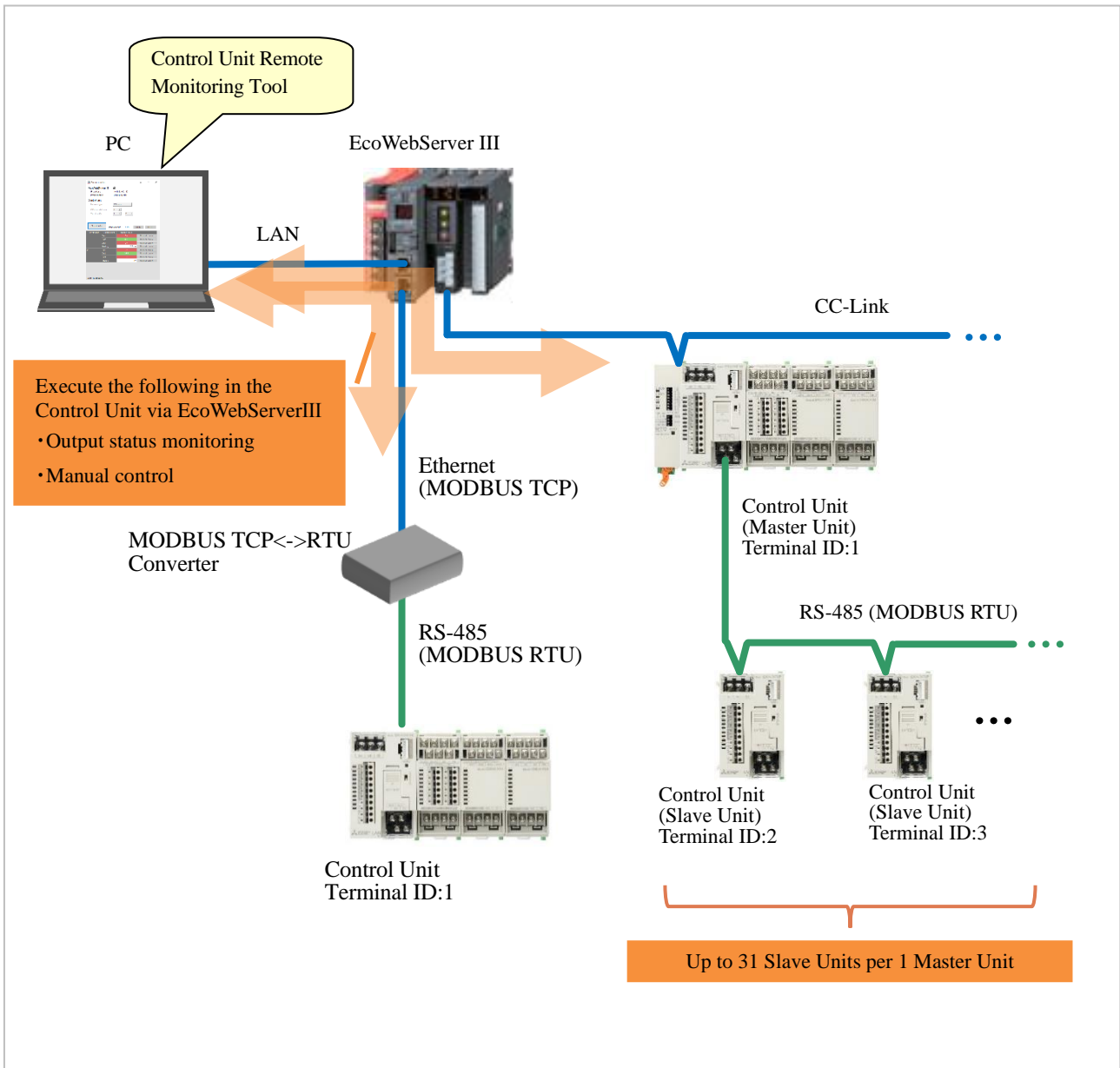


Figure 1. System Configuration

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5. Screen sample

[Control monitoring screen]

Control monitor

EcoWebServer III

IP address : 10.162.102.143

Project name : Control Center

Control unit

Network type : CC-Link

CC-Link station no. : 3

Terminal ID : 1 - 2

Start Monitor

Control mode : RUN

Terminal ID	Output point	Output value	
1	DY1	ON	Manual control
	DY2	OFF	Manual control
	DY3	ON	Manual control
	Analog	7.2mA	Manual control
2	DY1	ON	Manual control
	DY2	OFF	Manual control
	DY3	ON	Manual control
	Analog	1V	Manual control

12:17:58 Updated

It can monitor control status of output.

Manual control of contact output / analog output is possible.

* Time lag or communication errors may occur depending on communication status since this software monitors and controls manually via EcoWebServerIII.

[Manual control contact output screen]

Contact output - Manual control

Terminal ID : 1

Output point : DY1

Output value : OFF

Execute

[Manual control analog output screen]

Analog output - Manual control

Terminal ID : 1

Output point : Analog

Output value : 12.345 (4-20mA)

Execute

* When controlling manually, please check in advance that the equipment to be controlled and the surrounding environment are sufficiently safe. Also, after performing manual control, please set the control mode to "RUN: Controlling" to start automatic control.

*For manual control, entering password for maintenance of EcoWebServerIII shall be required.

6. How to acquire the software

The software can be downloaded from MITSUBISHI ELECTRIC global FA website for free.

URL-<<https://www.mitsubishielectric.com/fa/products/pmng/ems/smerit/remote/index.html>>

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