Changes for the Better

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MELFA Technical News

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Subject: Report of MELFA FR series C800-D/CR800-R controller software Ver.A1d

Applicable to: MELFA FR series (CR800-D/CR800-R series robot controller)

Thank you for your continued support of Mitsubishi industrial robot "MELFA".
This Technical news describes the new version A1d of the MELFA FR series robot controller (CR800-D / CR800-R).
This version of the robot controller will be shipped sequentially from January 2018.
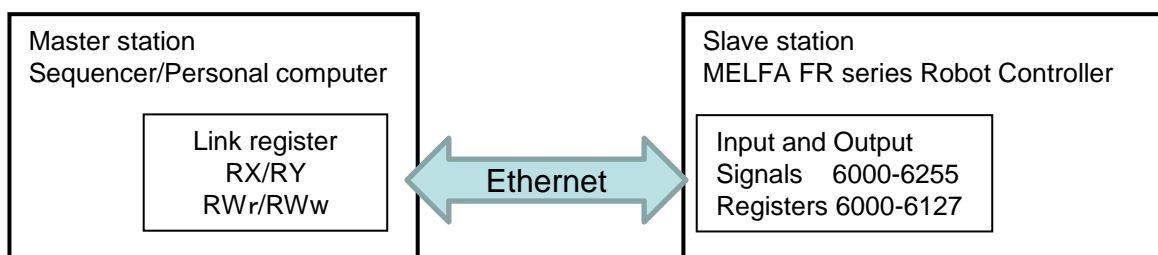Product before and after change is intermingled by distribution.

To check the version of the robot controller, display the screen at startup of R32TB / R56TB or connect RT ToolBox 3 online. For detailed procedures, please refer to each instruction manual.

1. CC-Link IE Field Network Basic

CC-Link IE Field Basic

CC-Link IE Field Network Basic function is supported.

CC-Link IE Field Network Basic is the FA network using general purpose Ethernet.
In the MELFA FR series, the robot controller supports the slave stations of "CC-Link IE field network Basic".
Periodically communicates with a master station such as a sequencer or a personal computer (cyclic transmission), it can input and output signals and registers of the robot controller.

Master station Sequencer/Personal computer		Slave station MELFA FR series Robot Controller
Link register RX/RY RWr/RWw	⟵ Ethernet ⟶	Input and Output Signals 6000-6255 Registers 6000-6127

■Space saving / cost reduction

MELSEC iQ-R / iQ-F / Q / L series PLC CPU and the MELFA FR series Robot Controller have built-in Ethernet as standard, so no dedicated option is required. This makes it possible to construct a system with the minimum configuration, saving space and reducing costs.

■ Highly-flexible / Low cost system

The network operates on the standard Ethernet protocol stack, which can be used together with TCP/IP communications. This feature allows CC-Link IE Field Network Basic compatible products and Ethernet compatible products to be connected on the same Ethernet communications line, enabling a highly-flexible and low cost system.

> Please use engineering software "RT ToolBox 3" Ver.1.10 L or later .

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