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FOR IMMEDIATE RELEASE

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Mitsubishi Electric Launches MELSEC iQ-R Series IEC 61508 SIL 2-compliant Redundant Programmable Controller

Realizes redundant system configuration that is compliant with international safety standards

TOKYO, October 30, 2017 – [Mitsubishi Electric Corporation](http://www.mitsubishielectric.com) (TOKYO: 6503) announced today that it will launch its newest MELSEC iQ-R Series general-purpose programmable controller, the IEC 61508 SIL 2-compliant redundant programmable controller paired with a redundant-function SIL2 CPU set for high performance and extra reliability, on October 31. To help reduce total cost of ownership (TCO), the system integrates detectors and controllers for monitoring and management and a safety programmable controller compliant with international safety standards.



MELSEC iQ-R Series SIL2 redundant programmable controller

Product Features

1) *Compliant with international safety standards*

- Compliant with IEC 61508 SIL 2, which is required for infrastructure systems, and has been certified by TÜV Rheinland® to meet global needs

2) *Integrated process control and safety control realizes TCO reduction*

- GX Works3 engineering software integrates process- and safety-control programming
- Enables execution of integrated process- and safety-control programs with a single CPU module (to execute generic control programs sequentially), thereby helping to reduce total cost of ownership

3) *Redundant configuration realizes highly reliable system*

- Redundant basic system (SIL2 CPU set¹, power supply module, basic base unit, network module) ensures continuous operation by switching to standby if error occurs in control system

¹ SIL2-process CPU module and SIL2-function module included as set. Can only be used in redundant configuration

Product	Model	Program capacity ²	Release	Target sales in 2017
SIL2-process CPU set	R08PSFCPU-SET	80K steps	October 31	300 units
	R16PSFCPU-SET	160K steps		
	R32PSFCPU-SET	320K steps		
	R120PSFCPU-SET	1200K steps		

² 40K-step safety control program capacity

Purpose of Launch

In recent years, compliance with international safety standards has become an essential requirement for infrastructure in the ASEAN and European markets. In addition, quick recovery from control-system breakdowns has become a common requirement.

Mitsubishi Electric's newest MELSEC iQ-R Series controller, the IEC 61508 SIL 2-compliant redundant programmable controller, is compliant with international safety standards and has been certified by TÜV Rheinland®. The high-performance, extra-reliable system integrates process- and safety-control and redundant functions to reduce total cost of ownership.

Other Models for System Configuration

Analog module (supports SIL 2) will be released soon.

Product	Model	Key specifications
Redundant-function module	R6RFM	1Gbps optical fiber cable
I/O module (with diagnostics function)	RX40NC6B ³	DC input (16 points)
	RY40PT5B ³	Transistor output (16 points)
Network module	RJ71GF11-T2 ⁴	CC-Link IE Field
	RJ72GF15-T2 ⁵	CC-Link IE Field Remote head

³ Firmware version of "02" or later support SIL 2 (from October 31 version)

⁴ Firmware version of "23" or later support SIL 2 (from October 31 version)

⁵ Firmware version of "04" or later support SIL 2 (from October 31 version)

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About Mitsubishi Electric Corporation

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,238.6 billion yen (US\$ 37.8 billion*) in the fiscal year ended March 31, 2017. For more information visit: www.MitsubishiElectric.com

*At an exchange rate of 112 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2017

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