

iQ Platform-compatible PAC Extended Temperature Range Base Unit

MELSEC iQ-R_{series}

Brief



MELSEC iQ-R Series Broadcast

Durable base unit lineup for high-temperature environments

The MELSEC iQ-R Series can now be used for environments where temperatures can be excessive by using the Extended Temperature Range lineup of base units. Four models (main base unit and extension base unit) are available, each equipped with 10 I/O slots, and 8 I/O slots for the redundant power supply module models.

Highly efficient heat dissipation

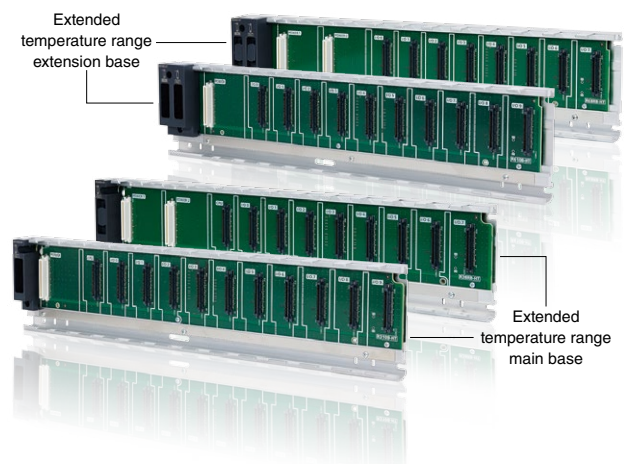
These base units are specially designed to leave a gap between modules to prevent overheating when operating in environments with excessively high temperatures. The gaps effectively dissipate heat and protect the modules without requiring any special hardware enhancements to existing modules, thereby reducing overall cost.

Improvements

- Enables use of MELSEC iQ-R Series modules in high-temperature environments
- Gap between modules efficiently dissipates heat
- Redundant power supply module models available
- Use with standard MELSEC iQ-R Series modules

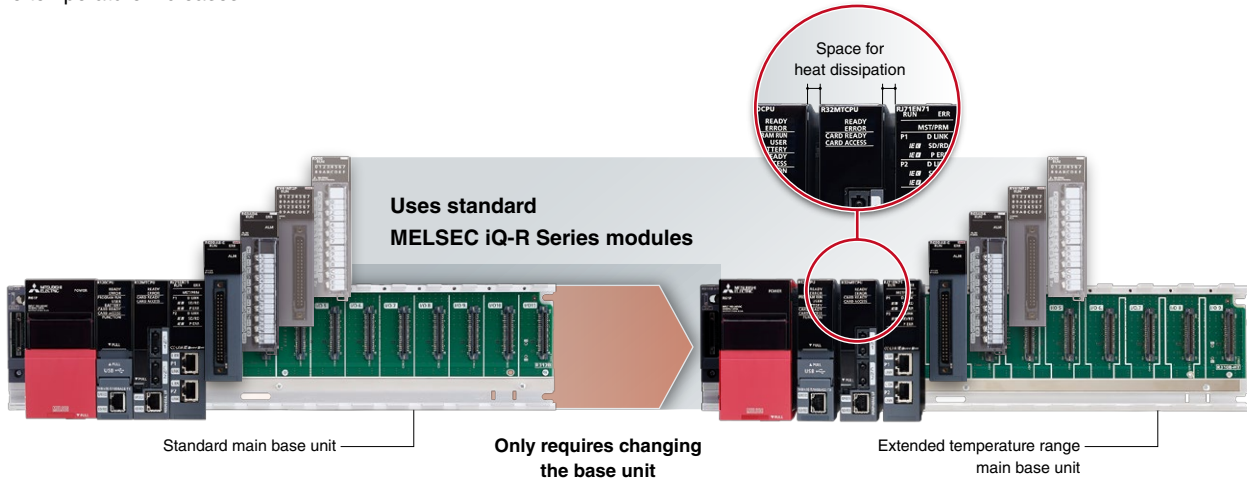
Use with standard MELSEC iQ-R modules without substantially increasing costs

Extended Temperature Range Base Units are designed to be used with standard modules of the MELSEC iQ-R Series. There is no need to procure or inventory modules with special features for excessive temperature environments, which can result in additional operating costs.

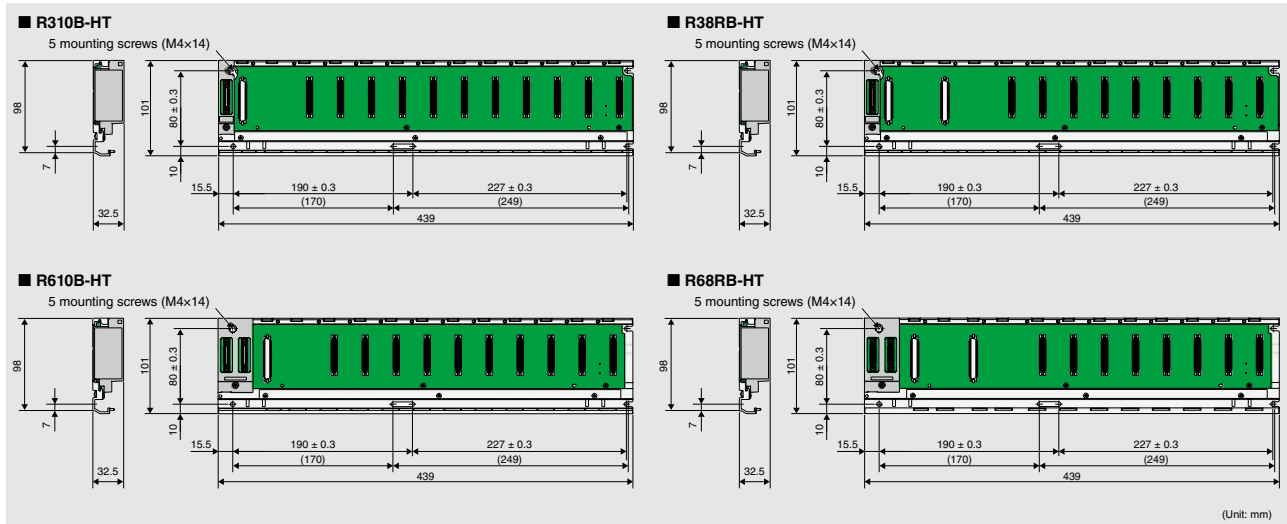


Configure systems with standard iQ-R modules

Easily configure systems capable of withstanding high temperatures by simply replacing the standard base unit with one from the Extended Temperature Range lineup. Loss of performance associated with simultaneous ON points will not deteriorate further, even if the temperature increases.



External dimensions



Specifications

Item	Main base unit		Extension base unit	
	R310B-HT	R38RB-HT	R610B-HT	R68RB-HT
Number of I/O modules installed	10	8	10	8
DIN rail mounting adapter type	R6DIN1	R6DIN1	R6DIN1	R6DIN1
External dimensions (H x W x D, mm)	101 x 439 x 32.5	101 x 439 x 32.5	101 x 439 x 32.5	101 x 439 x 32.5
Operating ambient temperature	0...60°C*1	0...60°C*1	0...60°C*1	0...60°C*1
Redundant power supply support	-	●	-	●

*1. When modules are used in an environment exceeding 60°C (ambient temperature), please consult with your local Mitsubishi Electric sales office or representative.

Country/Region Sales Office
 USA+1-847-478-2100
 Mexico+52-55-3067-7500
 Brazil+55-11-4689-3000
 Germany+49-2102-486-0
 UK+44-1707-28-8780
 Ireland+353-1-4198800
 Italy+39-039-60531
 Spain+34-935-65-3131
 France+33-1-55-68-55-68

Czech Republic ...+420-251-551-470
 Poland+48-12-347-65-00
 Sweden+46-8-625-10-00
 Russia+7-812-633-3497
 Turkey+90-216-526-3990
 UAE+971-4-3724716
 South Africa+27-11-658-8100
 China+86-21-2322-3030
 Taiwan+886-2-2299-2499

Korea+82-2-3660-9530
 Singapore+65-6473-2308
 Thailand+66-2682-6522
 Vietnam+84-4-3937-8075
 Indonesia+62-21-3192-6461
 India+91-20-2710-2000
 Australia+61-2-9684-7777

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⚠ For safe use

• To use the products listed in this publication properly, always read the relevant manuals before use.

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN
www.MitsubishiElectric.com