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.

### Uses standard MELSEC iQ-R Series modules

- Only requires changing the base unit
- Standard main base unit
- Extended temperature range main base unit
- Space for heat dissipation

### External dimensions

**R310B-HT**
- 5 mounting screws (M4×14)
- 101 x 439 x 32.5

**R38RB-HT**
- 5 mounting screws (M4×14)
- 101 x 439 x 32.5

**R610B-HT**
- 5 mounting screws (M4×14)
- 101 x 439 x 32.5

**R68RB-HT**
- 5 mounting screws (M4×14)
- 101 x 439 x 32.5

### Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Main base unit</th>
<th>Extension base unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of I/O modules installed</td>
<td>R6DIN1</td>
<td>R6DIN1</td>
</tr>
<tr>
<td>DIN rail mounting adapter type</td>
<td>R6DIN1</td>
<td>R6DIN1</td>
</tr>
<tr>
<td>External dimensions (H x W x D, mm)</td>
<td>101 x 439 x 32.5</td>
<td>101 x 439 x 32.5</td>
</tr>
<tr>
<td>Operating ambient temperature</td>
<td>0...60°C*</td>
<td>0...60°C*</td>
</tr>
</tbody>
</table>

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