TECHNICAL BULLETIN

Thank you for your continued support of the Mitsubishi MELSEC-QnA/A Series PLCs.

The production of the following models of the MELSEC-QnA/A Series will be discontinued.

1. Discontinued Models

Product name	Model
QnA Series Ethernet Interface Modules	AJ71QE71
	AJ71QE71-B5
	A1SJ71QE71-B2
	A1SJ71QE71-B5
A Series Ethernet Interface Modules	AJ71E71-S3
	A1SJ71E71-B2-S3
	A1SJ71E71-B5-S3

2. Production Discontinuation

   (1) QnA Series Ethernet Interface Modules
       • Order deadline: Through February, 2002
       • The final production: Through February, 2002
       Please replace the old version (discontinued) models with the new version models, which are to be released in March, 2002.
       For more details, please refer to Section 5 "Transition to New Version Models".

   (2) A Series Ethernet Interface Modules
       • Order deadline: Through December, 2001
       • The final production: Through December, 2001
       Please replace the old version models with the new version models, which are to be released in January, 2002.
       For more details, please refer to Section 5 "Transition to New Version Models".

3. Reason for Production Discontinuation

   Some parts of the above products are now obsolete. Therefore, we will have difficulty to maintain the production system and product quality.

[Title] Production Discontinuation of Ethernet Interface Modules   **[Date of Issue]** Dec. '01
          (MELSEC-QnA/A Series)

[Relevant Models] AJ71QE71, AJ71QE71-B5, A1SJ71QE71-B2, A1SJ71QE71-B5,
                       AJ71E71-S3, A1SJ71E71-B2-S3, A1SJ71E71-B5-S3

4. Repairs Acceptance

(1) QnA Series Ethernet Interface Modules
   • The final repair acceptance: Through February, 2009 (7 years after production discontinuation)

(2) A Series Ethernet Interface Modules
   • The final repair acceptance: Through December, 2008 (7 years after production discontinuation)

5. Transition to New Version Models

This section explains the differences between the old and new version models, and the precautions to be taken when replacing them.

(1) QnA Series Ethernet Interface Modules
   (a) Model selections
        Replace the old version models with the new version models as shown below, while paying attention to the differences described in (b).

Network	Old version model (discontinued model)	New version model (substitution model)
10BASE2	AJ71QE71	AJ71QE71N-B2
	A1SJ71QE71-B2	A1SJ71QE71N-B2
10BASE5	AJ71QE71 AJ71QE71-B5	AJ71QE71N-B5T
	A1SJ71QE71-B5	A1SJ71QE71N-B5T

   (b) Differences between old and new version models
        The following shows the differences between the old and new version models.
        1) The new version models include the data communication function, which was included in the old version models. Therefore, the same method can be used with this function.
        2) Programs created for the old version models are compatible with the new version . Therefore, there is no need for any modifications. However, since the communication processing speed can be about 3 times faster, be sure to confirm the operations when replacing the models, and adjust the communication time interval and the retry count as necessary.
        3) Replace the old version models with the new version models, while paying attention to the following differences in the external appearances.
        • The 10BASE-T interface has been added (AJ71QE71N-B5T, A1SJ71QE71N-B5T).
        • The orientation of the 10BASE5 interface connectors has been rotated by a 180° (A1SJ71QE71N-B5T).
        • The connector position for the 10BASE2 interface has been moved from the bottom to front side (AJ71QE71N-B2, A1SJ71QE71N-B2).
        • The layout of display LEDs has been changed (AJ71QE71N-B2, AJ71QE71N-B5T, A1SJ71QE71N-B2, A1SJ71QE71N-B5T).
        • The position of the communication condition setup switch has been moved from the front to left side (A1SJ71QE71N-B5T).
        • The external power supply terminals (for supplying power to the transceiver) do not include an FG terminal (A1SJ71QE71N-B5T).

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[Relevant Models] AJ71QE71, AJ71QE71-B5, A1SJ71QE71-B2, A1SJ71QE71-B5,
AJ71E71-S3, A1SJ71E71-B2-S3, A1SJ71E71-B5-S3

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(2) A Series Ethernet Interface Modules
  (a) Model selections
   Replace the old version models with the new version models as shown below, while paying attention to the
   differences described in (b).

Network	Old version model (discontinued model)	New version model (substitution model)
10BASE2	AJ71E71-S3	AJ71E71N-B2
	A1SJ71E71-B2-S3	A1SJ71E71N-B2
10BASE5	AJ71E71-S3	AJ71E71N-B5T
	A1SJ71E71-B5-S3	A1SJ71E71N-B5T

  (b) Differences between old and new version models
   The following shows the differences between the old and new version models.
   1) The new version models include the data communication function, which was included in the old version
    models. Therefore, the same method can be used with this function.
    (Note that there is no more restriction on the number of nodes that can communicate by single initial
    processing for the Ethernet interface module.)
   2) Programs created for the old version models are compatible with the new version. Therefore, there is no need
    for any modifications. However, since the communication processing speed can be about 3 times faster, be
    sure to confirm the operations when replacing the models, and adjust the communication time interval and the
    retry count as necessary.

   3) Replace the old version models with the new version models, while paying attention to the following
    differences in the external appearances.
    • The 10BASE-T interface has been added (AJ71E71N-B5T, A1SJ71E71N-B5T).
    • The orientation of the 10BASE5 interface connectors has been rotated by a 180° (A1SJ71E71N-B5T).
    • The connector position for the 10BASE2 interface has been moved from the bottom to front side
     (AJ71E71N-B2, A1SJ71E71N-B2).
    • The number of channels of the operating mode switch (rotary switch) has been changed from 09h channels
     to 0Fh channels (A1SJ71E7\1N-B2, A1SJ71E71N-B5T).
    • The ON/OFF layout of the communication condition setup switch has been reversed (A1SJ71E71N-B2,
     A1SJ71E71N-B5T).
    • Display LEDs have been changed (AJ71E71N-B2, AJ71E71N-B5T, A1SJ71E71N-B2,
     A1SJ71E71N-B5T).
    • The position of the communication condition setup switch has been moved from the front to left side
     (A1SJ71E71N-B5T).
    • The communication condition setup switch has been changed from a 4-row switch to an 8-row switch
     (A1SJ71E71N-B5T).
    • The external power supply terminals (for supplying power to the transceiver) do not include an FG terminal
     (A1SJ71E71N-B5T).

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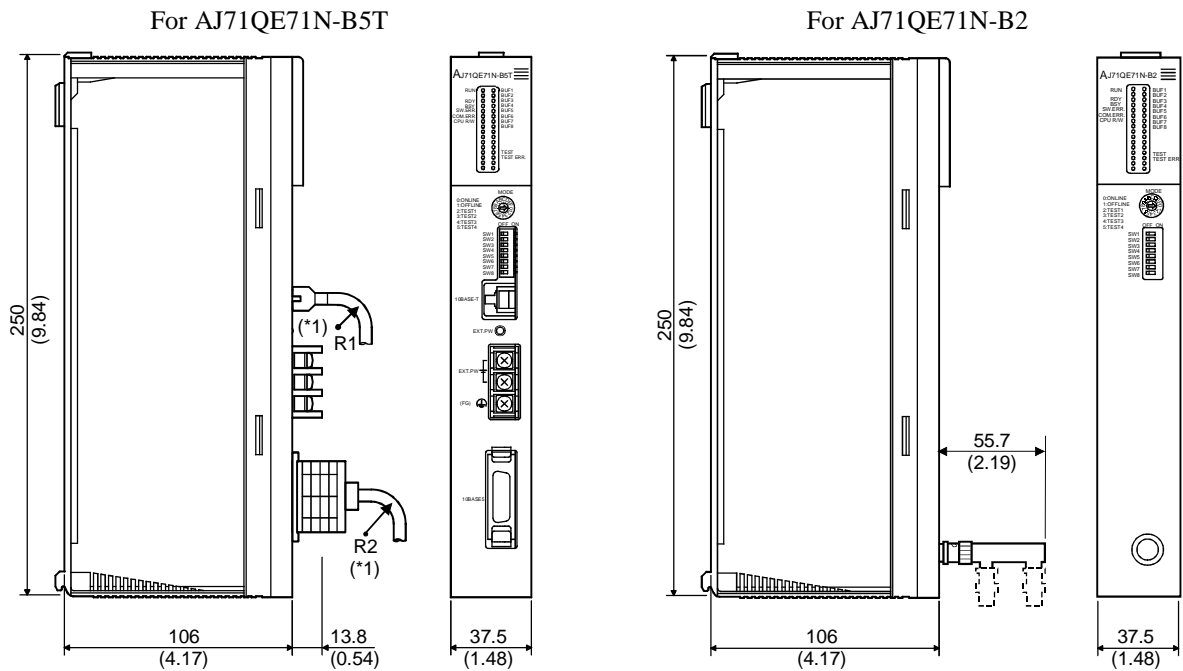**[Title]** Production Discontinuation of Ethernet Interface Modules
[Date of Issue] Dec. '01
(MELSEC-QnA/A Series)

[Relevant Models] AJ71QE71, AJ71QE71-B5, A1SJ71QE71-B2, A1SJ71QE71-B5,
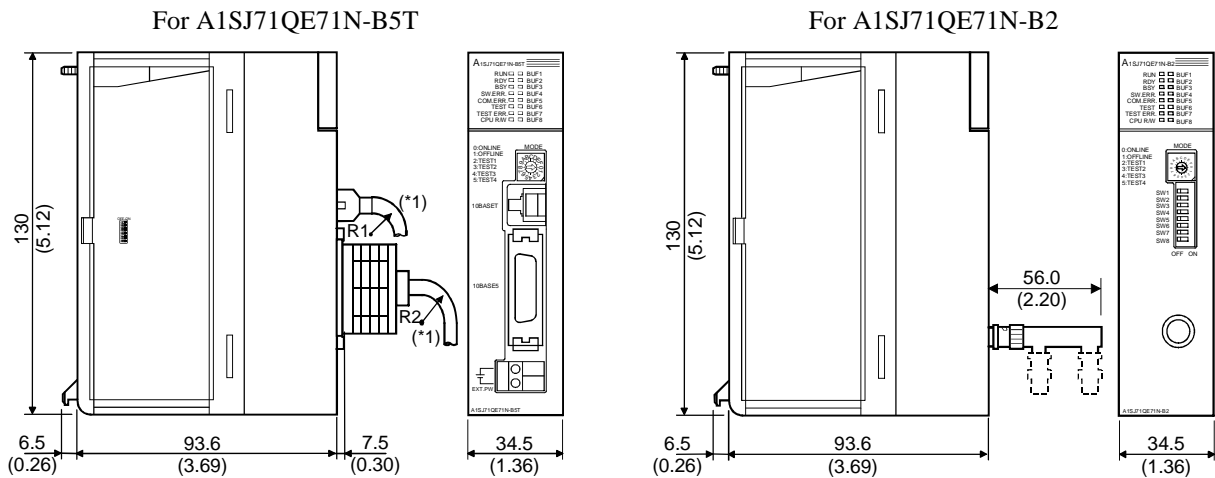AJ71E71-S3, A1SJ71E71-B2-S3, A1SJ71E71-B5-S3

[External Dimensions of New Version Models]

The following diagram shows the AJ71QE71N-B5T and AJ71E71N-B2. The dimensions of the AJ71QE71N-B5T are the same as AJ71E71N-B5T. Also, the AJ71QE71N-B2 is the same as AJ71E71N-B2.

For AJ71QE71N-B5T

For AJ71QE71N-B2

(Unit: mm)

The following diagram shows the A1SJ71QE71N-B5T and A1SJ71QE71N-B2. The dimensions of A1SJ71QE71N-B5T are the same as A1SJ71E71N-B5T. Also, A1SJ71QE71N-B2 is the same as A1SJ71E71N-B2.

For A1SJ71QE71N-B5T

For A1SJ71QE71N-B2

(Unit: mm)

*1: The bending radius near the connectors (reference value: R1, R2) should be four times larger or more than the cable's external diameter when connecting the communication cable.