

TECHNICAL BULLETIN

[Issue No.] T17-0003-A

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[Title] Product discontinuation of AnS series temperature control modules

[Date of Issue] Jan., '07

[Relevant Models] A1S62TCRT-S2, A1S64TCRT-S1, A1S62TCTT-S2, A1S64TCTT-S1, A1S62TCRTBW-S2, A1S64TCRTBW-S1, A1S62TCTTBW-S2, A1S64TCTTBW-S1

Thank you for your continued support of Mitsubishi programmable controllers, MELSEC-A series. Production of the following MELSEC-AnS series models will be discontinued.

1. Models to be discontinued

Product name		Model	Remarks
Temperature control module	Platinum RTD	A1S62TCRT-S2	Heating-cooling control without heater disconnection detection
		A1S64TCRT-S1	Without heater disconnection detection
	Thermocouple	A1S62TCTT-S2	Heating-cooling control without heater disconnection detection
		A1S64TCTT-S1	Without heater disconnection detection
	Platinum RTD	A1S62TCRTBW-S2	Heating-cooling control with heater disconnection detection
		A1S64TCRTBW-S1	With heater disconnection detection
	Thermocouple	A1S62TCTTBW-S2	Heating-cooling control with heater disconnection detection
		A1S64TCTTBW-S1	With heater disconnection detection

2. Schedule

- Transition to "made-to-order" End of February 2007
- Order acceptance Through March, 2007
- Production Through May, 2007

3. Reasons for discontinuing production

- (1) Some parts of the above products are now obsolete. Therefore, we will have difficulty to maintain the production system.
- (2) Alternative models (A1S64TCTRT, A1S64TCTRTBW) have been released.

4. Repair acceptance

- Repair acceptance Through May, 2014 (For 7 years after production discontinuation)

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5. Alternative models and specifications comparisons

(1) Without heater disconnection detection

○ : Available, - : N/A

		Input		Control mode		Heater disconnection detection
		Thermocouple	Platinum RTD	Standard control	Heating-cooling control	
Model to be discontinued	A1S62TCRT-S2	-	○	-	○	-
	A1S64TCRT-S1	-	○	○	-	-
	A1S62TCTT-S2	○	-	-	○	-
	A1S64TCTT-S1	○	-	○	-	-
Alternative model	A1S64TCRT	○	○	○	○	-

(2) With heater disconnection detection

○ : Available, - : N/A

		Input		Control mode		Heater disconnection detection
		Thermocouple	Platinum RTD	Standard control	Heating-cooling control	
Model to be discontinued	A1S62TCRTBW-S2	-	○	-	○	○
	A1S64TCRTBW-S1	-	○	○	-	○
	A1S62TCTTBW-S2	○	-	-	○	○
	A1S64TCTTBW-S1	○	-	○	-	○
Alternative model	A1S64TCRTBW	○	○	○	○	○

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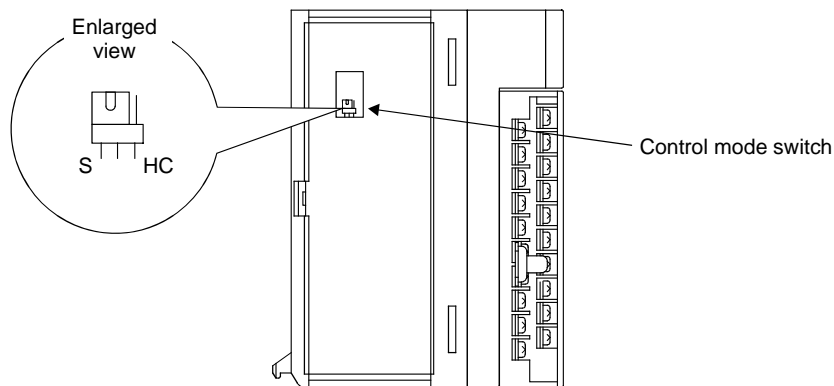
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6. Transition to the alternative model

When replacing any of the discontinued models with an alternative model, perform the following.

(1) Set the control mode switch of the alternative model.



Model to be discontinued	Alternative model	Control mode switch setting
A1S62TCRT-S2	A1S64TCRT	Set to HC side (Heating-cooling control).
A1S64TCRT-S1		Set to S side (Standard control).
A1S62TCTT-S2		Set to HC side (Heating-cooling control).
A1S64TCTT-S1		Set to S side (Standard control).
A1S62TCRTBW-S2	A1S64TCRTBW	Set to HC side (Heating-cooling control).
A1S64TCRTBW-S1		Set to S side (Standard control).
A1S62TCTTBW-S2		Set to HC side (Heating-cooling control).
A1S64TCTTBW-S1		Set to S side (Standard control).

(2) For the A1S64TCTT(BW)-S1 and A1S62TCTT(BW)-S2, the input range setting may be required.

(a) Necessity of setting change

When the following conditions 1) and 2) are met, perform the initial input range setting for the alternative model by either of the methods described in (b).

1) The value set for the input range is "2".

Using GX Developer, monitor and check the input range (buffer memory address: 20H, 40H, 60H, 80H (for A1S64TCTT(BW)-S1) or 20H, 40H (for A1S62TCTT(BW)-S2)).

2) There is no program for initial input range setting.

Using GX Developer, confirm that there is no program for writing the initial setting to the input range area (buffer memory address: 20H, 40H, 60H, 80H (for A1S64TCTT(BW)-S1) or 20H, 40H (for A1S62TCTT(BW)-S2) with the TO instruction.

(b) How to change the setting

1) Create an additional program for initial input range setting.

The set value should be "2".

2) Using the data saving function by the FeRAM, back up the input range setting on another system.

(The set value "2" is loaded to the buffer memory at power-on or reset. If this method is applied, there is no need to add the program for initial input range setting.)

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE : 1-8-12, OFFICE TOWER Z 14F HARUMI CHUO-KU 104-6212, JAPAN
NAGOYA WORKS : 1-14, YADA-MINAMI 5-CHOME, HIGASHI-KU, NAGOYA, JAPAN

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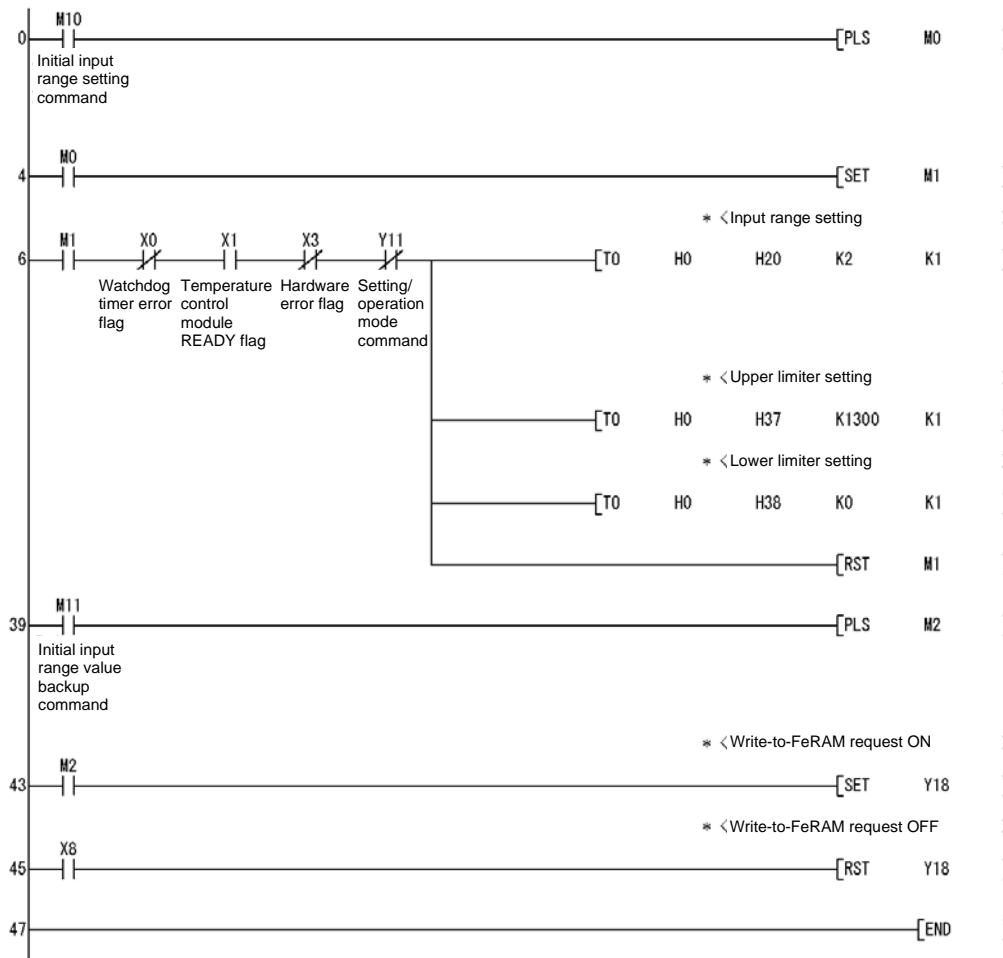
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The following is a program for backing up the input range setting. (An example in the case where a temperature control module is installed to I/O slot 0 of the main base unit)



Note that the following settings must also be made in accordance with the input range setting.

- Upper setting limiter (buffer memory address: 37H, 57H, 77H, 97H/37H, 57H^{*1})
- Lower setting limiter (buffer memory address: 38H, 58H, 78H, 98H/38H, 58H^{*2})

*1 The addresses, 37H, 57H, 77H, 97H are used for Standard control, and 37H, 57H for Heating-cooling control.

*2 The addresses, 38H, 58H, 78H, 98H are used for Standard control, and 38H, 58H for Heating-cooling control.

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Version	Revision
A	<p>5. Alternative models and specifications comparisons</p> <p>The following errors are corrected.</p> <ul style="list-style-type: none">• The descriptions of "○: Available" for "Heater disconnection detection" is changed to "- : N/A" in the table (1).• The descriptions of "- : N/A" for "Heater disconnection detection" is changed to "○: Available" in the table (2).