



1999 No.115E

NEW PRODUCT RELEASE

CC-LINK

GENERAL-PURPOSE
PROGRAMMABLE CONTROLLERS

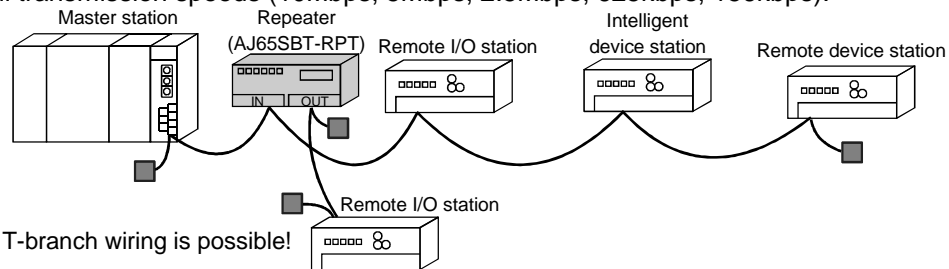
AJ65SBT-RPT type CC-Link System Repeater (T-Branch) Module New!

**T-branch wiring with 10Mbps transmission speed now possible.
Introducing a repeater (T-branch) module which allows extended transmission distances and T-branch wiring.**

[Features]

1. T-branch wiring now possible with CC-Link system

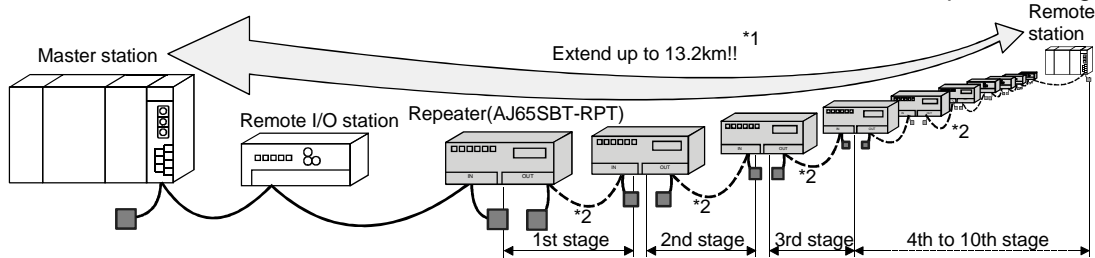
By arranging this module between the CC-Link system modules, T-branch wiring can be used in CC-Link systems for all transmission speeds (10Mbps, 5Mbps, 2.5Mbps, 625kbps, 156kbps).



2. Realize an extended transmission distance with the CC-Link system

By using this module, a CC-Link system's transmission distance can be extended.

When several of these modules are used, the transmission distance can be extended up to ten stages.

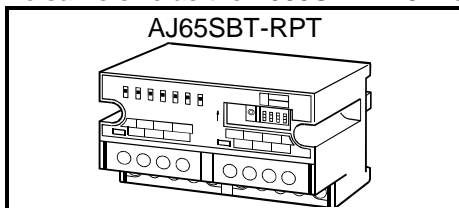


*1 This indicates the maximum transmission distance when the transmission speed is set to 156kbps.

*2 Although not shown here, other remote stations can be connected between repeaters.

3. Compact module size

The same size as the AJ65SBTB1-8□ compact remote I/O module has been achieved.



Item	Size(mm)
Height	50.0
Width	87.3
Depth	40.0

4. Install in the control panel with either screws or DIN rails

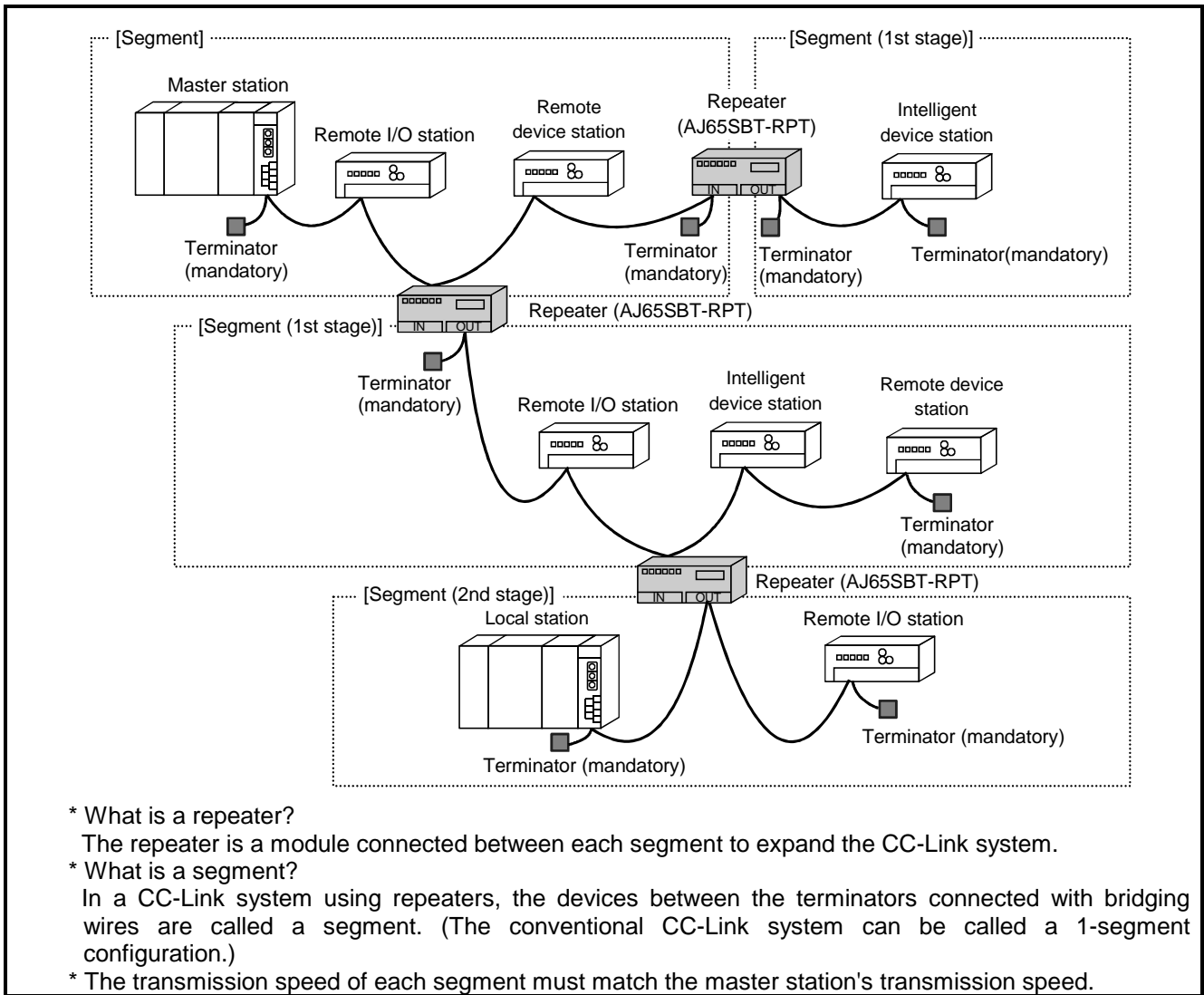
This module can be installed in the control panel with either screws or DIN rails.

There are no restrictions for the module's orientation, so the module can be installed at any angle.

The Mitsubishi general-purpose programmable controller is manufactured at a factory certified for the environment management system standards (ISO14001) and the quality system standards (ISO9001)



[System configuration]



1. Maximum No. of connected segment stages

When using this module, communication can be carried out with remote stations at up to ten stages from the master station's segment.

2. Maximum No. of connected modules in CC-Link system

Up to 64 remote I/O stations, remote device stations, local stations, standby master stations, intelligent device stations and repeaters can be connected in one segment.

Even in a CC-Link system that uses repeaters, the No. of remote stations that can be controlled by one master station will not change.

3. Conditions for usable master module

Use function version B and above.

When using AJ61BT11, A1SJ61BT11, AJ61QBT11 and A1SJ61QBT11 for the master module, a module with function version B and above must be used.

The function version can be confirmed on the module's rating nameplate.

Use a module described as "9707 B" or above.

QJ61BT11 can be used regardless of the version.

[Performance and Specifications]

1. AJ65SBT-RPT performance and specifications

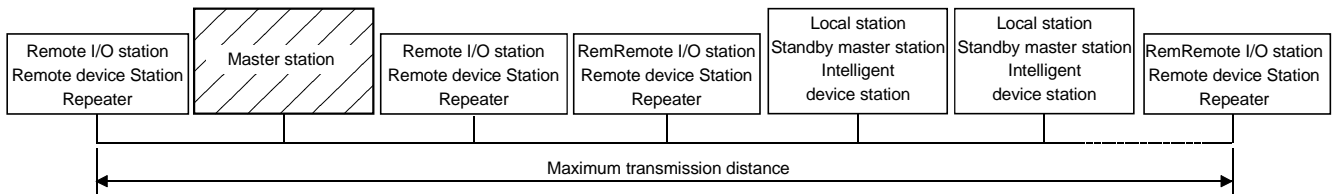
Item	Specification	
Transmission speed (bps)	156k/625k/2.5M/5M/10M selectable	
Maximum No. of connected segment stages (stages)	10	
Maximum transmission distance for each segment	Differs according to transmission speed. (Same as normal CC-Link system (system with only one segment).)	
Maximum No. of connected modules	64 modules	
No. of occupied stations (stations)	0 (none)	
Station No. setting	No station numbers.	
Repeater power supply	Voltage(V)	DC20.4 to DC26.4
	Current(A)	0.06 (at TYP. 24VDC)
Noise withstand level	Simulator noise 1500Vp-p With noise width 1 μ s, noise frequency 25 to 60Hz noise simulator Fast transient/burst noise IEC801-4: 1kV	
Withstand voltage	1 minute at 500VAC between DC external terminal batch and grounding	
Insulation resistance	10M Ω or more with 500VDC Megger tester between DC external terminal batch and grounding	
Weight(kg)	0.2	
Accessories	Terminator (110 Ω \times 2 pcs., 130 Ω \times 2 pcs.)	

2. Connection cable specifications

Use a CC-Link dedicated cable with the CC-Link system or else the system's performance cannot be guaranteed.

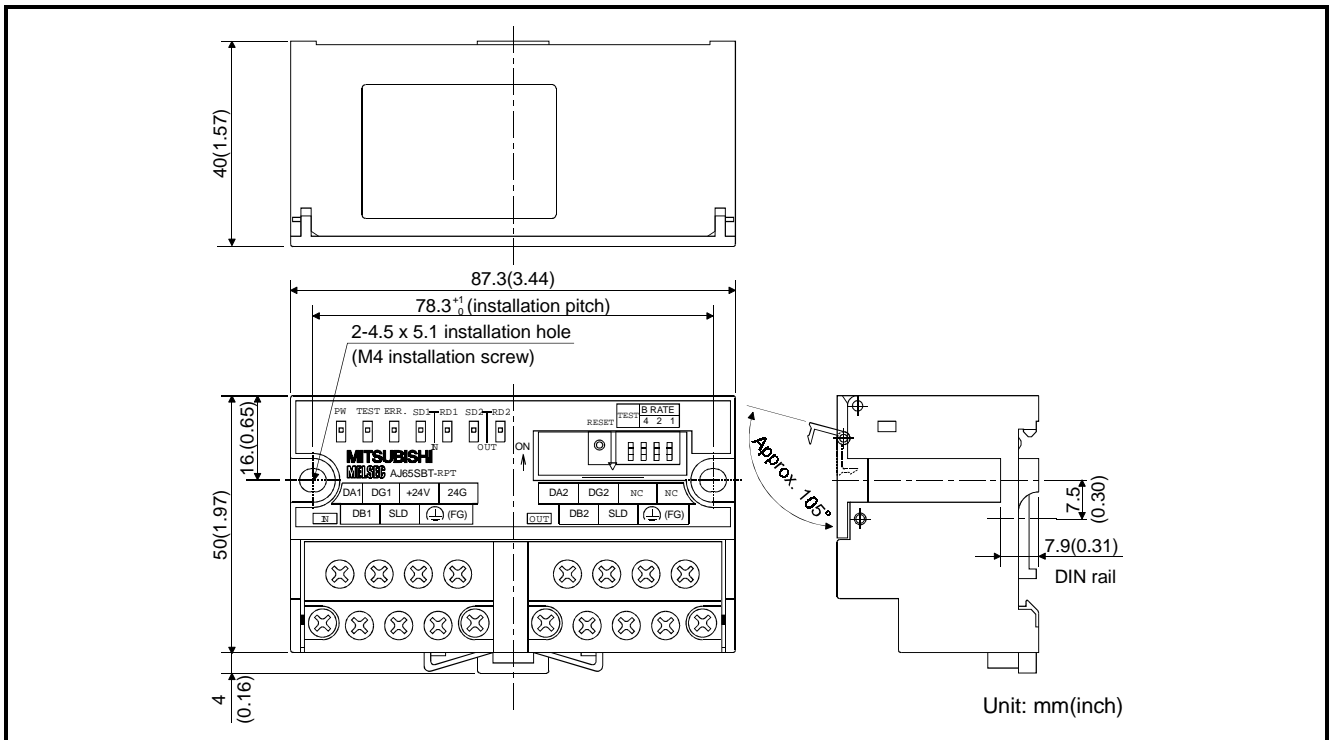
Refer to the User's Manual of the master module in use for the CC-Link dedicated cable's specifications and for purchasing information.

3. Maximum transmission distance



Conditions	Details
Transmission speed	The maximum transmission distance in one segment is the same as the normal CC-Link system (system with only one segment). The maximum transmission distance within one segment will differ according to the transmission speed. Refer to the User's Manual of the master module in use for details. (Handling of the cable between repeater stations is the same as for the remote I/O station.)
No. of connected segment stages	When one connection stage is added, the maximum transmission distance for one segment will be added.

[Outside dimensions]



[Manual]

Manual name	Manual shipment type	IB No.	Type code
AJ65SBT-RPT type CC-Link System Repeater (T-branch) Module User's Manual	Enclosed with product	IB-0800078	13JQ81

Country/Region	Sales office	Tel /Fax
U. S. A	Mitsubishi Electric Automation Inc. 500 Corporate Woods Parkway Vernon Hills, IL 60061	Tel : 1-847-478-2100 FAX : 1-847-478-0328
Brazil	MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda. Av. Rio Branco, 123-15 ,and S/1507, Rio de Janeiro, RJ CEP 20040-005, Brazil	Tel : 55-21-221-8343 FAX : 55-21-221-9388
U. K	Mitsubishi Electric Europe B.V. UK Branch Travellers Lane, Hatfield, Herts., AL10 8XB,UK	Tel : 44-1707-276100 FAX : 44-1707-278695
Germany	Mitsubishi Electric Europe B.V. German Branch Gothaer Strasse 8 D-40880 Ratingen, GERMANY	Tel : 49-2102-486-0 FAX : 49-2102-486-717
South Africa	MSA Manufacturing (Pty) Ltd. P O Box 39733 Bramley 201 8 Johannesburg, South Africa	Tel : 27-11-444-8080 FAX : 27-11-444-8304
India	Messung Systems Pvt.Ltd. Electronic Sadan NO:111 Unit No15, M.I.D.C BHOSARI,PUNE-411026	Tel : 91-212-793130 FAX : 91-212-798108
Singapore	Mitsubishi Electric Asia Pte, Ltd. 307 ALEXANDRA ROAD #05-01/02, MITSUBISHI ELECTRIC BUILDING SINGAPORE 159943	Tel : 65-470-2480 FAX : 65-476-7439
Indonesia	P.T. Autoteknindo SUMBER MAKMUR Kompleks Agung Sedayu Propertindo (Harco Mangga Dua) Blok H No.4 Jl Mangga Dua Raya Jakarta Pusat 10730-Indonesia.	Tel : 62-21-336292 FAX : 62-21-330378
Thailand	F. A. Tech Co.,Ltd. 1138/33-34 Rama 3 Road, Yannawa, Bangkok 10120, Thailand	Tel : 66-2-295-2861 FAX : 66-2-295-2865
Hong Kong	Ryoden International Ltd. 10th Floor, Manulife Tower, 169 Electric Road, North Point, HongKong	Tel : 852-2887-8870 FAX : 852-2887-7984
China	Ryoden International Shanghai Ltd. 3F Block5 Building Automation Instrumentation Plaza 103 Cao Bao Rd. Shanghai 200233 China	Tel : 86-21-6475-3228 FAX : 86-21-6484-6996
Taiwan	Setsuyo Enterprise Co., Ltd. 6F., No.105 Wu-Kung 3rd.RD, Wu-Ku Hsiang, Taipei Hsine, Taiwan R.O.C.	Tel : 886-2-2299-2499 FAX : 886-2-2299-2509
Australia	Mitsubishi Electric Australia Pty. Ltd. 348 Victoria Road, PostalBag, No 2, Rydalmere, N.S.W 2116, Australia	Tel : 61-2-9684-7777 FAX : 61-2-9684-7245

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