

PROFIBUS-DP Slave I/O module



SAFETY PRECAUTIONS

(Read these precautions before using.)

When using Mitsubishi equipment, thoroughly read this manual and the associated manuals introduced in the manual. Also pay careful attention to safety and handle the module properly.

These precautions apply only to Mitsubishi equipment. Refer to the CPU module user's manual for a description of the PC system safety precautions.

These SAFETY PRECAUTIONS Classify the safety precautions into two categories: "DANGER" and "CAUTION".

 Procedures which may lead to a dangerous condition and cause death or serious injury if not carried out properly.

Procedures which may lead to a dangerous condition and cause superficial to medium injury, or physical damage only, if not carried out properly.

Depending on circumstances, procedures indicated by A CAUTION may also be linked to serious results.

In any case, it is important to follow the directions for usage.

Store this manual in a safe place so that you can take it out and read it whenever necessary. Always forward it to the end user.

[DESIGN PRECAUTIONS]

• When communication over the data link is abnormal, the abnormal station may enter the state described below.

Use the communication status information to configure an interlock circuit on the sequence program so that the system operates safely. Erroneous output or erroneous operation may cause an accident.

- (1) All outputs from the slave station are turned off.
- (2) All outputs from the slave station will be turned off after five to six seconds.
- (3) Depending on the slave I/O module trouble, I/O may remain continuously on or continuously off. For I/O signals related to fatal trouble, provide an external monitoring circuit.

 Do not bundle control lines or communication wires together with main circuit or power lines, or lay them close to these lines.

As a guide, separate the lines by a distance of at least 100 mm (3.94 inch), otherwise malfunctions may occur due to noise.

[INSTALLATION PRECAUTIONS]

• Use the module in an environment that conforms to the general specifications in the CPU module user's manual.

Using the module in environments outside the ranges stated in the general specifications will cause electric shock, fire, malfunction, or damage to/deterioration of the product.

- Firmly fasten the module with the DIN rail, or mounting screws, and tighten the mounting screws to within the specified torque range. If the mounting screws are loose, the module may fall out or short circuit. If the mounting screws are too tight, the screw may break and cause the module fall out or short circuit.
- Perform correct pressure-displacement, crimp-contact or soldering for wire connections using the tools specified by the manufacturers. Attach connectors to the module securely. Incomplete connection for the connectors may cause malfunctions or short circuit.

[WIRING PRECAUTIONS]

• Completely turn off the external power when installing or placing wiring. Not completely turning off all power could result in electric shock or damage to the product.

- Be sure to ground the FG terminal to the protected grounding conductor. Otherwise there will be a danger of malfunctions.
- Carry out wiring to the module correctly, checking the rated voltage and terminal arrangement of the product. Using a power supply that does not conform to the rated voltage, or carrying out wiring incorrectly, will cause fire or failure.
- Tighten the terminal screws within the specified tighten torque range. Loose terminal screws may cause a short circuit or malfunctions. If the screws are too tight, the screws may break and cause a short circuit or malfunctions.
- Make sure that no foreign matter such as chips or wiring offcuts gets inside the module. It will cause fire, failure or malfunctions.

[STARTUP AND MAINTENANCE PRECAUTIONS]

- Do not touch terminals or connectors while the power is ON. This will cause electric shock or malfunctions.
- Switch all phases of the external power supply off before cleaning or re-tightening terminal screws. Not doing so could result in electric shock.

If the screws are loose, the module may fall out, short circuit, or malfunction.

If the screws are too tight, the module may fall out, short circuit, or malfunction.

- Do not disassemble or modify the module. This will cause failure, malfunction, injuries, or fire.
- The module case is made of plastic. Do not drop it or subject it to strong shock. The module may break.
- Always turn off all the power phases at the outside before installing or removing the module to or from the panel. If all the phases are not turned off, the module may fail or operate erroneously.
- Set the connection switch of the terminal resistor before starting the operation. Setting the switch while in operation may cause a network error, and such errors may not be detected.

[DISPOSAL PRECAUTIONS]

Dispose of this product as industrial waste.

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Revisions

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* The manual number is noted at the lower left of the back cover.

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Introduction

Thank you for choosing a Mitsubishi MELSEC-A Series General Purpose Programmable Controller. Before using your new PC, please read this manual thoroughly to gain an understanding of its functions so you can use it properly.

Please forward a copy of this manual to the end user.

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About This Manual

The following are manuals related to this product.

Request for the manuals as needed according to the chart below.

Related Manuals

Manual Name		Manual No. (Type code)
PROFIBUS-DP interface module type A1SJ71PB92D User's Manual	(Sold separately)	IB-66773 (13JL20)
PROFIBUS interface module type AJ71PB92 User's Manual	(Sold separately)	IB-66569 (13J829)

1. OVERVIEW

This manual describes the specification of the slave station PROFIBUS-DP I/O module (referred to as slave I/O module hereafter), which can be connected to the PROFIBUS-DP (field system open network) network interface module (referred to as PRDFIBUS-DP master module hereafter).

1.1 Features

- (1) Conforms to DIN19245 (Part 1 and 3)
- (2) Maximum of 60 stations of slave I/O modules can be connected. A maximum of 60 stations (32 stations per segment) of slave I/O modules can be connected by connecting a repeater.
- (3) The press-down-tightening-type connector enables installation/removal of terminal block to/from the module.
 - Wiring works can be eased by removing the terminal block from the module.
- (4) Equipped with a function to monitor load power supply of the output module.
- (5) Equipped with a built-in terminal resistor, which can be switched with a DIP switch. Because the terminal resistor is pre-installed, there is no need of wiring.
- (6) External connection of the PROFIBUS I/F is performed with a 9-pin D-SUB connector. (Conforms to DIN19245 Part 1 and 3.)
- (7) CE marking/EMC compatible (conforms to IEC 1131-2)

1.2 How to Read the Slave I/O Module Model

The following describes how to read the slave I/O module model:



1.3 Cautions When Selecting a Slave I/O Module

Cautions when selecting a slave I/O module to be used with the PROFIBUS-DP master are described below.

(1) This is a slave I/O module dedicated for the PROFIBUS-DP network. Do not connect this module to a different data link system, such as the MELSECNET/MIN data link system.

- (2) When connecting a sensor directly to the slave I/O module, it is recommended to use a 2-wire-type module with more common lines, which does not require a relay terminal block and thus makes the wiring work easier.
- (3) When using a counter or timer which uses a DC/DC converter as a load to the transistor output module with a maximum load current of 0.8A, breakdowns may occur if the module is selected based on the average current, because rush current flows with constant intervals during ON or while in operation. Therefore, if the above load is used, connect a resistor or inductance in series with the load in order to reduce the effect of rush current, or use an output module with greater maximum load current capacity.



2. NAME AND SETTING OF EACH AREA



The name and setting of each area of the slave I/O module are described.

No.	Name				Con	tents			
		LED n	ame			Check co	ntents		
		RU	N	Lights when n	ormal power is	being supplied	to the module.		
		FAU	LT	Lights when DF	P I/O cannot com	municate norm		er error after reset, etc.) ss.	
1	Operation indication	FUS	SE		e load voltage o wer supply is tu		dule is interrupted.	(When a fuse blows or	
		сом	DM1+ Lights when normal output module load power supply COM1+ voltage is supplied. Goes off when the voltage supply is interrupted or is disconnected.						
		СОМ	12+				er supply COM2+ ted or is disconne	voltage is supplied. cted.	
		0 to	F	Indicates the output ON/OFF state. Lights when output is ON.					
0	Station number setting switch	number ten	s digit and	x1 sets the stati	on number mod	lules digit. Afte	or chaging the stati	et.) x10 sets the station ion number, 24DC	
3	Terminating resistor connect/disconnect selector switch	voltage module power supply need to be turned off once, and then turn it on again. Selects whether to connector or disconnect the terminating resistor inside the module. Right (ON): Connect Left (OFF): Disconnect When mounting and dismounting the module offline, set this switch to OFF and use a D-SUB with built-in terminating resistor. (Do not mount or dismount the module while online except when using a signal connector with built-in terminating resistor.)							
L			ON setting OFF setting						
		the user.	uses a 9-p			onnector (mat	ing threads — incl	threads): Provided by	
					om DIN19245 PART1				
		Pin No.			Signal name		oplication	Installation to product	
		1		andard	SHIELD		tective Ground	0	
		2		ption	RP		for power (+24V)	×	
		3		andard	TRXD-P		ransmit-Data-P	0	
		4		ption	CNTR-P	Control-P		×	
		5		ption	DGNO	Data Grou		0	
		6		ption	VP	Voltage-P		0	
		7		ption	RP		for power (-24V)	×	
		8		andard			Transmit-Data-N	0	
	DP I/F PROFIBUS	9		ption	CNTR-N	Control-P		<u> </u>	
٩	transmission	2) Winng s	specifications (Option) TRXD-P 3 TRXD-P 3 TRXD-P TRXD-P 5 (DGND) SG4 (VP) 6 HO CONNEGT 6 (VP) SG4 TRXD-D 8 TRXD-D 8 TRXD-N TRXD-N SHIELD 1 1 SHIELD SHIELD SHIELD				SG485 VCC485 TRXD-N		
		ltem			Contents			emarks	
		Terminating resistor		IW 390Ω±2%×2 W 220Ω±2%×1				nect selected by built-in	
			Ар	plicable cable	Twisted	cable	·····	······	
				pedance Z		2 (3-20MHz)			
		Cable		pacitance	<30nF/kr		Provided by user: Use shielded cable.		
		specification	ns Co	nductor resistar	ice <110Ω/k	m			
			-	nductor cross ctional area	>0.34mm)²			
6	FG terminal			ground to the c s-head and flat-l			ounded when EMC in be used)	compatibility is	
6	I/O terminal block (including module power supply)	Two-piece ir	nsertion type dule Two M	e terminal board	for I/O signal lin	e and module ;	ower line connecti	ion. Can be detached 55 to 75N cm {5.6 to	

*1 Only a single wire, or one twisted wire, can be used as the electric wire . The terminal cannot hold multiple wires. Electric wire processing To ensure that the terminals are isolated, the end of the electric wire must be processed and inserted into the terminals. The end of twisted wire, in particular, must not be unraveled.

Covering stripping length: 6 to 8mm

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3. GENERAL SPECIFICATIONS

The common specifications for the different modules used are as follows.

Table 3.1	General	specifications
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Items	Specifications						
Operating ambient temperature	0 to 55°C						
Storage ambient temperature			-25°C to +75°C				
Operating ambient humidity		5 to 90	0% RH, no conden	sation			
Storage ambient humidity		5 to 90	0% RH, no conden	sation			
		Frequency	Acceleration	Amplitude	Sweep count		
Vibration resistance	Complies with IEC68-2-6- test Fc	10 to 57Hz	—	0.075mm	10 times in each direction		
		57 to 150Hz	9.8mm/S(1G)		of x, y, and z (80 minutes)		
Shock resistance	Complies with IEC68-2-27 test Ea (147m/S2 [15g], 2 times in each of the three directions 11ms internal)						
Operating ambience	No corrosive gases no excessive dust, no oil mist						
Operating elevation	2000m or less						
Installation location	In the control panel						
Over voltage category *1	II or less						
Pollution level *2			2 or less				

*1 This shows where the estimated electrical wire connection for the equipment from the public power network to the equipment installation on the site.

Category II applies to equipment to which electricity is supplied from a fixed facility.

The equipment surge resistant voltage up to a rated voltage of 300V is 2500V.

*2 This index shows the amount of occurrence of conductive substances in the environment in which the equipment is used. Pollution level 2 is when only non-conductive pollution occurs. A temporary conductivity caused by condensation must be expected occasionally.

4. INPUT MODULE SPECIFICATION

Specification of the input module that can be connected to the PRODIBUS-DP network is described.

Specif	ication	AJ95TB3-16D Input Module				
Number of input points 16 points		16 points				
Insulation method		Photocoupler insulation				
Rated input voltage		24VDC				
Rated input current		Approx. 7mA				
Operating voltage rar	nge	19.2 to 26.4 VDC (ripple: less than 5%)				
Max. simultaneous in	put points	100% (16 points) simultaneously ON				
ON voltage/ON curre	nt	14V or higher/3.5mA or higher				
OFF voltage/OFF cu	rrent	6V or lower/1.7mA or less				
Input impedance		Approx. 3.3kΩ				
OFF→ON		10msec or less				
Response time	ON-→OFF	10msec or less				
Common method		16 points/common (+COM 16 terminal/-COM 16 terminal)				
Input method		Sink/Souce common type				
Number of occupied	station	1 station				
I/O module power	Voltage	15.6VDC to 31.2VDC (peak voltage)				
supply	Current	174mA (24.0VDC)				
Noise durability		First transient burst noise (IEC801-4) 2KV DC type noise voltage 500Vp-p Noise width 1μs, Noise frequency 25 to 60Hz (noise simulator condition)				
Withstanding voltage		500VAC for 1 minute between all DC external terminals together and ground.				
Insulation resistance		$10M\Omega$ or higher, measured with a 500VAC insulation resistance tester.				
Weight kg (Ib)		0.45 (0.99)				
	I/O, power supply	Insertion type terminal board (M2.5 flat head machine screw) Specified torque range 25 to 35N-cm (2.6 to 3.6kg-cm)				
External connection method	FG	M4 Phillips-head and flat-head screw terminal Specified torque range 100 to 135N-cm (10.2 to 13.8kg·cm) Applicable crimp terminal RAV1.25-4, RAV2-4				
	Transmission circuit	9-pin D-SUB connector (receptacle)				
Applicable electric wi	re size	0.18 to 2mm ² (single wire or twisted wire)				
Module mounting scr	ews	M4 × 0.7 × 16mm or larger screws (Specified torque range 78 to 118N cm (8 to 12kg cm)) Mounting by DIN rail also possible.				
Applicable DIN rail		TH35-7.5Fe, TH35-7.5AI, TH35-15Fe (Conforms to JIS-C2812 or DIN, EN, IEC standard 35mm wide top hat rail)				

Laternal of method									
	Terminal No.	Signal name	Terminal No.	Signal name	Terminal No.	Signal name			
	TB1	+24V	TB21	+24V	TB41	24G			
	TB2	24G	TB22	COM+	TB42	COM-			
4 RTS ₽ D-SUB 64/CC486	твз	XO	TB23	COM+	TB43	COM-			
	TB4	X1	TB24	COM+	TB44	COM-			
	TB5	X2	TB25	COM+	TB45	COM-			
	TB6	ХЗ	TB26	COM+	TB46	COM-			
	TB7	X4	TB27	COM+	TB47	COM-			
24VDC 22(COM+	TB8	X5	TB28	COM+	TB48	COM-			
	TB9	X6	TB29	COM+	TB49	COM-			
	TB10	X7	TB30	COM+	TB50	COM-			
	TB11	NC	TB31	COM+	TB51	COM-			
	TB12	NC	TB32	COM+	TB52	COM-			
	TB13	X8	TB33	COM+	TB53	COM-			
	TB14	Х9	TB34	COM+	TB54	COM-			
	TB15	XA	TB35	COM+	TB55	COM-			
	TB16	ХВ	TB36	COM+	TB56	COM-			
+24V: 1,21 (Vacant): 11,12 24G: 2,41	TB17	XC	TB37	COM+	TB57	COM-			
*1 DP I/F communication circuit (insulation) *2 DC/DC insulation	TB18	XD	TB38	COM+	TB58	COM-			
	TB19	XE	TB39	COM+	TB59	COM-			
	TB20	XF	TB40	COM+	TB60	COM-			
DP I/F 9P D-SUB connector pin allocation (Front view)	No.	Sigan	name	No.	Siganl	name			
	1	SHI	ELD	6	VCC	485			
(5 4 3 2 1)	2	N	С	7	N	0			
	3	TRX	(D-P	8	TRX	D-N			
	4	R	TS	9	N	0			
	5	SG	485						

External connection

5. OUTPUT MODULE SPECIFICATION

Specification of the output module that can be connected to the PRODIBUS-DP network is described.

Specif	ication	AJ95TB2-16T Output Module				
Number of input poin	ts	16 points				
nsulation method		Photocoupler insulation				
Rated load voltage		12/24VDC				
Max. load current		0.8A/1point 3.2A/common				
Max. inrush current		8A 10msec or less				
Leakage current at O	FF circuit	0.1mA or less				
Max. voitage drop at	ON circuit	1.5V or less (0.8A Max.)				
Output method		Source type				
		2msec or less				
Response time ON→OFF		2msec or less (load resistance)				
Output area	Voltage range	10.8VDC to 26.4VDC (peak voltage 30V)				
external power supply	Current consumption	35mA TYP. (no load, all points ON)				
Surge absorber		Zener diode with built-in FET				
Fuse rating		Fuse 5A (1/common) Not replacement				
Common method		8 points/common (COM1+ 8 terminals, COM2+ 8 terminals)				
Number of occupied	station	1 station				
I/O module power	Voltage	15.6VDC to 31.2VDC (peak voltage)				
supply	Current	188mA (24.0VDC)				
Noise durability		First transient burst noise (IEC801-4) 2KV DC type noise voltage 500Vp-p Noise width 1µs, Noise frequency 25 to 60Hz (noise simulator condition)				
Withstanding voltage	·····	500VAC for 1 minute between all DC external terminals together and ground.				
Insulation resistance	· ·	$10M\Omega$ or higher, measured with a 500VAC insulation resistance tester.				
Weight kg (lb)		0.45 (0.99)				
	I/O, power supply	Insertion type terminal board (M2.5 flat head machine screw) Specified torque range 25 to 35N-cm (2.6 to 3.6kg-cm)				
External connection method	FG	M4 Phillips-head and flat-head screw terminal Specified torque range 100 to 135N-cm (10.2 to 13.8kg-cm) Applicable crimp terminal RAV1.25-4, RAV2-4				
	Transmission circuit	9-pin D-SUB connector (receptacle)				
Applicable electric wi	re size	0.18 to 2mm ² (single wire or twisted wire)				
Module mounting scr	ews	M4 × 0.7 × 16mm or larger screws (Specified torque range 78 to 118N•cm {8 to 12kg•cm}) Mounting by DIN rail also possible.				
Applicable DIN rail		TH35-7.5Fe, TH35-7.5AI, TH35-15Fe (Conforms to JIS-C2812 or DIN, EN, IEC standard 35mm wide top hat rail)				

	Terminai No.	Signai name	Terminal No.	Signal name	Terminal No.	Signal name			
	TB1	+24V	TB21	+24V	TB41	24G			
	TB2	24G	TB22	COM1+	TB42	COM1-			
	TB3	XO	TB23	COM1+	TB43	COM1+			
	TB4	X1	TB24	COM1+	TB44	NC			
	TB5	X2	TB25	COM1+	TB45	NC			
	TB6	X3	TB26	COM1+	TB46	NC			
	ТВ7	X4	TB27	COM1+	TB47	NC			
	TB8	X5	TB28	COM1+	TB48	NC			
	TB9	X6	TB29	COM1+	TB49	NC			
	TB10	X7	TB 30	COM1+	TB50	COM1+			
	TB11	COM1+	TB31	COM1+	TB51	COM1-			
	TB12	OCM2+	TB32	COM2+	TB52	COM2-			
	TB13	X8	TB33	COM2+	TB53	NC			
	TB14	X9	TB34	COM2+	TB54	NC			
	TB15	XA	TB35	COM2+	TB55	NC			
12/24VDC	TB16	ХВ	TB36	COM2+	TB56	NC			
+24V: 1,21 24G: 2,41	TB17	xc	TB37	COM2+	TB57	NC			
11 DP UF communication circuit (insulation) 12 DC/DC Insulation 13 Fuse blown detection	TB18	XD	TB38	COM2+	TB58	NC			
	TB19	XE	TB39	COM2+	TB59	NC			
	TB20	XF	TB40	COM2+	TB60	NÇ			
DP I/F 9P D-SUB connector pin allocation (Front view)	No.	Siganl	name	No.	Siganl	name			
	1	SHI	ELD	6	VCC	485			
(54321)	2	N	С	7	N	С			
	3	TRX	D-P	8	TRX	D-N			
	4	R	rs	9	N	c			
	5	SG	485						

External connection

6. COMPOSITE MODULE SPECIFICATION

Specification of the compound module that can be connected to the PRODIBUS-DP network is described.

			AJ95TB32-16DT Composite Module				
······	Number of length an	into					
	Number of input po		8 points				
	Insulation method		Photocoupler insulation 24VDC				
	Rated input voltage						
c	Rated input current		Approx. 7mA				
atio	External supply inp		19.2 to 26.4VDC (ripple: less than 5%)				
cific	Max. simultaneous		100% (8 points) simultaneously ON				
Input specification	ON voltage/ON cur		14V or higher/3.5mA or higher				
nt ŝ	OFF voltage/OFF of	urrent	6V or lower/1.7mA or less				
Πη	Input impedance		Approx. 3.3kΩ				
	Response time	OFF→ON	10msec or less				
		ON→OFF	10msec or less (load resistance)				
	Common method		8 points/common (COM2+ 8 terminals, COM2- 8 terminals)				
	Input method		Sink/Souce common type				
	Number of output p	oints	8 points				
	Insulation method		Photocoupler insulation				
	Rated load voltage	_	12V/24V				
		Voltage range	10.8VDC to 26.4VDC (peak voltage 30V)				
u	External power supply	Current consumption	18mA TYP. (no load, all points ON)				
Output specification	Max. load current		0.8A/1 point 3.2A/common				
cific	Max. inrush current		8A 10msec or less				
spe	Leakage current at	OFF circuit	0.1mA or less				
brt	Max. voltage drop a		1.5V or less (0.8A Max.)				
on	Surge absorber		Zener diode with built-in FET				
		OFF→ON	2msec or less				
	Response time ON→OFF		2msec or less (load resistance)				
	Fuse rating		5A (1/common) Not replacement				
	Common method		8 points/common (COM1+ 8 terminals)				
	Output method		Souce type				
Nurr	ber of occupied stati		1 station				
_	· · · ·	Voltage	15.6VDC to 31.2VDC (peak voltage)				
supp	nodule power	Current	183mA (24.0VDC)				
oupr		Conent					
Nois	e durability		First transient burst noise (IEC801-4) 2KV DC type noise voltage 500p-p				
	,		Noise width 1µs, Noise frequency 25 to 60Hz (noise simulator condition)				
With	standing voltage	······	500VAC for 1 minute between all DC external terminals together and ground.				
Insu	lation resistance		$10M\Omega$ or higher, measured with a 500VAC insulation resistance tester.				
	ght kg (lb)		0.45 (0.99)				
		I/O, power supply	Insertion type terminal board (M2.5 flat head machine screw) Specified torque range 25 to 35N-cm (2.6 to 13.8kg-cm) Applicable crimp terminal RAV1.25-4, RAV2-4				
Exte meth	rnal connection	FG	M4 Phillips-head and flat-head screw terminal Spcified torque range 100 to 135N cm (10.2 to 13.8kg cm) Applicable crimp terminal RAV1.25-4, RAV2-4				
		Transmission circuit	9-pin D-SUB connector (receptacle)				
Appl	icable electric wire s	ze	0.18 to 2mm ²				
Mod	ule mounting screws		M4 x 0.7 x 16mm or larger screws (Specified torque range 78 to 118N cm {8 to 12kg-cm}) Mounting by DIN rail also possible.				

	Terminai No.	Signal name	Terminal No.	Signal name	Terminai No.	Signai name
	TB1	+24V	TB21	+24V	TB41	24G
	TB2	24G	TB22	COM1+	TB42	COM1-
	TB3	XO	TB23	COM1+	TB43	COM1+
	TB4	X1	TB24	COM1+	TB44	NC
	TB5	X2	TB25	COM1+	TB45	NC
	TB6	ХЗ	TB26	COM1+	TB46	NC
24VDC 11+24	ТВ7	X4	TB27	COM1+	TB47	NC
	TB8	X5	TB28	COM1+	TB48	NC
	TB9	X6	TB29	COM1+	TB49	NC
	TB10	X7	TB30	COM1+	TB50	COM1+
	TB11	COM1+	TB31	COM1+	TB51	COM1-
	TB12	NC	TB32	COM2+	TB52	COM2-
	TB13	XO	TB33	COM2+	TB53	COM2-
	TB14	X1	TB34	COM2+	TB54	COM2-
	TB15	X2	TB35	COM2+	TB55	COM2-
+24V: 1,21 240: 2,41	TB16	ХЗ	TB36	COM2+	TB56	COM2-
24G: 2,41 *1 DP l/∓ communication circuit (insulation)	TB17	X4	TB37	COM2+	TB57	COM2-
*2 DC/DC Insulation *3 Fuse blown detaction	TB18	X5	TB38	COM2+	TB58	COM2-
	TB19	X6	TB39	COM2+	TB59	COM2-
	TB20	X7	TB40	COM2+	TB60	COM2-
DP I/F 9P D-SUB connector pin allocation (Front view)	No.	Siganl	name	No.	Siganl	name
	1	SHI	ELD	6	VCC	485
$\left(\frac{5}{5}, \frac{4}{5}, \frac{3}{5}, \frac{2}{5}, \frac{1}{5} \right)$	2	N	С	77	N	c
	3	TRX	(D-P	8	TRX	D-N
	4	R	rs	9	N	с
	5	SG	485			

External connection

7. HANDLING THE SLAVE I/O MODULE

7.1 Precautions When Handling or Installing the Slave I/O Module

Precautions when handling or installing the slave I/O module on the PROFIBUS-DP network are described.

	Do not touch terminal or connectors while the power is ON. This will cause electric shock or malfunctions.
CAUTION	 Use the module in an environment that conforms to the general specifications in the CPU module user's manual. Using the module in environments outside the ranges stated in the general specifications will cause electric shock, fire, malfunction, or damage to/deterioration of the product. Firmly fasten the module with the DIN rail, or mounting screws, and tighten the mounting screws to within the specified torque range. If the mounting screws are loose, the module may fall out or short circuit. If the mounting screws are too tight, the screw may break and cause the module fall out or short circuit.
	 Perform correct pressure-displacement, crimp-contact or soldering for wire connections using the tools specified by the manufacturers. Attach connectors to the module securely. Incomplete connection for the connectors may cause malfunctions or short circuit. Make sure that no foreign matter such as chips or wiring offcuts gets inside the module. It will cause electric shock or malfunctions.
	 Do not disassemble or modify the module. This will cause failure, malfunction, injuries, or fire. The module case is made of plastic. Do not drop it or subject it to strong shock. The module may break.
	Do not separate the printed wiring board of the module from the case, as this can result in a breakdown.
	Always turn off all the power phases at the outside before installing or removing the module to or from the panel. If all the phases are not turned off, the module may fail or operate erroneously.
	Set the connection switch of the terminal resistor before starting the operation. Setting the switch while in operation may cause a network error, and such errors may not be detected.

(1) Tighten the module installation screws and terminal block screws with the following torque:

Screw location	Tightening torque range
Module installation screw (M4)	78 to 118N.cm (8 to 12kg.cm)
Terminal block screw for I/O and power supply (M2.5)	25 to 35N cm (2.6 to 3.6kg cm)
Terminal block installation screw (M3.5)	55 to 75N cm (5.6 to 7.7kg cm)
FG terminal screw (M4)	100 to 135N-cm (10.2 to 13.8kg-cm)

- (2) If an DIN rail adapter is used, take note on the following when installing the DIN rail:
 - (a) Applicable DIN rail models (a 35mm(1.38inch)-wide top hat rail which conforms to the JIS-C2812 or DIN, EN, and IEC standards)
 - TH35-7.5Fe
 - TH35-7.5Al
 - TH35-15Fe
 - (b) DIN rail installation screw intervals When installing a DIN rail, keep 200mm(7.87inch) or smaller intervals between the screws.

- (3) For the specification of the cables supported by the slave I/O module, refer to Chapter 2 "Name and Setting of Each area."
- (4) The shielded cable must be used for I/O signal lines that are pulled out from the control panel for usage and PROFIBUS-DP communication lines. As for shielding, be sure to ground partially peeled area of the shield with a maximum available area to the control panel at a location near the exit of the control panel. Refer to the CPU User's Manual (Hardware Edition) for standards regarding EMC and precautions when making an equipment. (Standards regarding EMC : EMI standard EN50081-2, EMS standard EN50082-2)
- (5) Avoid the following environment for the installation location of the slave I/O module:
 - (a) Where ambient temperature may exceed 55°C
 - (b) Where ambient temperature may exceed the range 10 to 90%RH
 - (c) Where condensation occurs due to sudden temperature changes
 - (d) Where corrosive gas or flammable gas exists
 - (e) Where there exists excessive dust, conductive particles such as iron chips, oil mist, salt, or organic solvent
 - (f) Area exposed to direct sunlight
 - (g) Where strong electric or magnetic field generates
 - (h) Where vibration or shock is directly applied to the main unit
- (6) When installing the slave I/O module to a panel, etc., secure a 80mm clearance between the top/bottom of the module and other structure or parts to assure good ventilation and ease module replacement works.
- (7) Install each slave I/O module to a flat surface. If the installation surface has bumps and dips, excessive force will be applied to the PCB, which may cause malfunctions.
- (8) To use the terminal resistor, set the "terminal resistor connect/not connect switch" of the slave I/O module end station to ON. (Instead, set to OFF for the slave I/O modules other than the end station.)
- (9) Do not connect anything to NC terminal.

7.2 Connection Method

The connection method between the master module and slave I/O module using twisted pair cable are described.

OANGER	 Completely turn off the external power when installing or placing wiring. Not completely turning off all power could result in electric shock or damage to the product. Switch all phases of the external power supply off before cleaning or re-tightening terminal screws. Not doing so could result in electric shock. If the screws are loose, the module may fall out, short circuit, or malfunction. If the screws are too tight, the module may fall out, short circuit, or malfunction.
	Be sure to ground the FG terminal to the protected grounding conductor. Otherwise there will be a danger of malfunctions or fire.
	Carry out wiring to the module correctly, checking the rated voltage and terminal arrangement of the product.
	Using a power supply that does not conform to the rated voltage, or carrying out wiring incorrectly, will cause fire or failure.
	Tighten the terminal screws within the specified tighten torque range. Loose terminal screws may cause a short circuit, fire, or malfunctions. If the screws are too tight, the screws may break and cause a short circuit, fire, or malfunctions.
	Do not bundle control lines or communication wires together with main circuit or power lines, or lay them close to these lines.
	As a guide, separate the lines by a distance of at least 100 mm (3.94 inch), otherwise malfunctions may occur due to noise.
	Make sure the connector of each connection cable is installed securely in its installation section. Defective contact may cause malfunctioning.

The following shows how to connect between the master module and slave I/O module:



7.3 Installing Slave I/O Module to DIN Rail

The installation and removal methods of the module to/from the DIN rail are described.

(1) Installing the slave I/O module to DIN rail

- ① Set the groove of the upper hook of the module to the top of the DIN rail.
- ② Press the module against the DIN rail and hook the lower hook.



(2) Removing the slave I/O module from DIN rail

- ① Pull out the lower hook of the module using a screwdriver (for flat-head screw).
- ② With the lower hook pulled out, pull the module toward the front.



8. SLAVE I/O MODULE TROUBLE EXAMPLES

Examples of troubles occurred in the I/O circuit and their countermeasures are described.

8.1 Examples and Countermeasures of Troubles in Input Circuit

Examples of troubles occurred in the input circuit and their countermeasures are described.

	Symptom	Cause	Countermeasure
		 It is driven by a switch with the LED display. 	 Connect an appropriate resistor so that the voltage between the input module terminal and the common exceeds the OFF voltage as shown below:
		DC input (sink)	DC input (sink)
Example 1	Input signal does not turn off.	Leakage current module	* Sample calculation to obtain the resistor value to be connected is shown on the next page.
Example 2	Input signal does not turn off.	 Current escape due to the use of two power supplies E' E' E'>E' 	 Integrate the two power supplies into one. Connect an escape-proof diode as shown below: E¹ E² Input module

<Sample calculation for example 4>

When the switch with LED display is connected to AJ95TB-16D and 4mA of current leakage exists:



(1) The OFF current of the AJ95TB-16D does not turn off because the value 1mA is not satisfied. So, connect a resistor as shown below:



(2) Calculating connected resistor value R is to obtain resistance R so that current flows by 3mA to the connected resistor in order to satisfy the 1mA OFF current at the AJ95TB3-16D:

IR : Iz=Z (input impedance) :R

 $R \le \frac{Iz}{IR} \times (\text{input impedance}) = \frac{1}{3} \times 3.3 = 1.1[k\Omega]$

Therefore, R<1.1kΩ

Given $1k\Omega$ as resistance R, the power capacity W of resistance R becomes: W=(Input voltage)²/R = 26.4²/1000 = 0.7 (W)

(3) Power capacity of resistance is selected three to five times the actual consumed power. Therefore, $1[k\Omega]2$ to 3[W] of resistance should be connected to the terminal in question.

APPENDIX

Appendix 1 External Dimentions Diagram





Appendix 1.2 The AJ95TB2-16T module



Appendix 1.3 The AJ95TB32-16DT module

Appendix 2 DDB File

Appendix 2.1

		AJ95TB3-16D communication parameters with configurator, an AJ95TB3-16D DDB file commercial editor is used to generate and use the following DDB file contents.
*********	******	******
; Device Data	Base for AJ9	5TB3-16D
;*********	******	***************
;		
#Profibus_DP		
GSD_Revision	=	1
;		
Vendor_Name	=	"MITSUBISHI ELECTRIC CORPORATION"
Model_Name	=	"AJ35TB3-16D"
Revision	=	"revision G52"
Ident_Number	=	0xF035
Protocol_Ident	=	0
Station_Type	=	0
FMS_supp	=	0
Hardware_Release		"A"
Software_Release	9 =	"none"
;		
9.6_supp	=	1
19.2_supp	=	1
93.75_supp	=	1
187.5_supp	=	1
500_supp	=	
1.5M_supp	=	
3M_supp	=	1
6M_supp		1
12M_supp	=	1
; Maxmadr 0 6	_	60
MaxTsdr_9.6	=	60
MaxTsdr_19.2	=	60
MaxTsdr_93.75	=	60
MaxTsdr_187.5	=	60
MaxTsdr_500	3	100
MaxTsdr_1.5M	=	150
MaxTsdr_3M	<u>m</u>	250
MaxTsdr_6M	=	450 800
MaxTsdr_12M	=	800
; Redundancy	=	1
Repeater_Ctrl_Si		1
24V_Pins	=	0
Implementation_7		"implementation type"
Bitmap_Device	= =	"bmpdev.dib"
Bitmap_Device	-	"bmpdia.dib"
Bitmap_SF	=	"bmpsf.dib"
sicmap_sr		Mulper. art
; Freeze_Mode_supp	o =	1
Sync_Mode_supp	> = =	1
Auto_Baud_supp	=	1
Set_Slave_Add_supp		1
Min_Slave_Interv		65535
	/411 -	6666
; Modular_Station	=	0
Modul_Offset	=	255
;		
, Fail_Safe	=	1
Slave_Family	=	3
Max_Diag_Data_Le		8
<pre>max_Diag_Data_De ; ;</pre>		U
, Module = "aj95th 1	03-16d" 0x00	
EndModule ;		
		A 4

AJ95TB3-16D

Appendix 2.2 AJ95TB2-16T

To generate the AJ95TB3-16D communication parameters with configurator, an AJ95TB3-16D DDB file is necessary. A commercial editor is used to generate and use the following DDB file contents.

;		***************
#Profibus_DP GSD_Revision	=	1
;		
Vendor_Name	=	"MITSUBISHI ELECTRIC CORPORATION
Model_Name	=	"AJ35TB3-16T"
Revision	=	"revision G52"
Ident_Number	=	0xF034
Protocol_Ident	=	0
Station_Type	=	0
FMS_supp	=	0
Hardware_Release	=	"A"
Software_Release ;	=	"none"
, 9.6_supp	=	1
19.2_supp	=	1
93.75_supp	=	1
187.5_supp	=	1
500_supp	=	1
1.5M_supp	=	1
3M_supp	=	1
6M_supp	=	1
12M_supp ;	=	1
, MaxTsdr_9.6	=	60
MaxTsdr_19.2	=	60
MaxTsdr_93.75	=	60
MaxTsdr_187.5	=	60
MaxTsdr_500	=	100
MaxTsdr_1.5M	=	150
MaxTsdr_3M	=	250
MaxTsdr_6M	=	450
MaxTsdr_12M	=	800
;		
Redundancy	=	1
Repeater_Ctrl_Sig	=	1
24V_Pins	=	0
Implementation_Type	=	"implementation type"
Bitmap_Device	=	"bmpdev.dib"
Bitmap_Diag	= =	"bmpdia.dib"
Bitmap_SF ;	=	"bmpsf.dib"
Freeze_Mode_supp	=	1
Sync_Mode_supp	=	1
Auto_Baud_supp	=	1
Set_Slave_Add_supp	=	1
Min_Slave_Intervall	=	65535
; Modular_Station	=	0
Modul_Offset	=	255
; Fail_Safe	=	1
Slave_Family	=	3
Max_Diag_Data_Len	=	8
;		
; Module = "aj95tb2-16t'	" 0x10	
1 1		

Appendix 2.3 AJ95TB32-16DT

To generate the AJ95TB3-16D communication parameters with configurator, an AJ95TB3-16D DDB file is necessary. A commercial editor is used to generate and use the following DDB file contents.

<pre>#Profibus_DP GSD_Revision = 1 ; Vendor_Name = "MITSUBISHI ELECTRIC CORPORATION Model_Name = "AJ35TB3-16DT" Revision = "revision G52" Tdent_Number = 0xF033 Protocol_Ident = 0 Station_Type = 0 Hardware_Release = "A" Software_Release = I Softwa</pre>	<pre>' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '</pre>	
<pre>GSD_Revision = 1 ; Vendor_Name</pre>	GSD_Revision = 1 ; "MITSUBISHI ELECTRIC CORPORA Model_Name "AJ35TB3-16DT" Revision = "revision G52" Ident_Number = 0xF033 Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 FMS_supp = 0 FMS_supp = 0 Software_Release "none"; 9.6_supp = 1 9.7_supp = 1 80.supp = 1 80.supp = 1 80.supp = 1 124_supp = 1 80.supp = 1 80.supp = 1 80.supp = 1 80.supp = 1 <	
<pre>Vendor_Name = "MITSUBISHI ELECTRIC CORPORATION Model_Name = 'AJ35TB3-16DT' Revision = 'revision G52' Ident_Number = 0 Station_Type = 0 Hardware_Release = 'A' Software_Release = 'A'' Software_Release = 'A''' Software_Release = 'A''' Software_Release = 'A'''' Software_Release = 'A''''' Software_Release = 'A''''''''''''''''''''''''''''''''''</pre>	<pre>Vendor_Name = "MITSUBISHI ELECTRIC CORPORA Mode_Name = "AJ35TB3-16DT" Revision = "revision G52" Ident_Number = 0xF033 Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 Hardware_Release = "A" Software_Release = "A" Software_Release = "none" ; 9.6_supp = 1 19.2_supp = 1 19.3_supp = 1 187.5_supp = 1 1.5M_supp = 1 1.5M_supp = 1 3M_supp = 1 3M_supp = 1 2M_supp = 1 2M_supp = 1 ; maxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_19.5 = 60 MaxTsdr_15.5 = 60 MaxTsdr_15.5 = 60 MaxTsdr_15.5 = 60 MaxTsdr_15.5 = 60 MaxTsdr_15.5 = 60 MaxTsdr_12.5 = 60 MaxTsdr_14.5 = 250 MaxTsdr_15.5 = 60 MaxTsdr_12.5 = 100 MaxTsdr_12.5 = 100 MaxTsdr_12.5 = 100 MaxTsdr_12.5 = 100 MaxTsdr_15.5 = 100 MaxTs</pre>	
Model_Name = "AJ35TB3-16DT" Revision = "revision G52" Tent_Number = OXF033 Protocol_Ident = 0 Station_Type = 0 Station_Type = 0 Hardware_Release = "A" Software_Release = 1 Software_Release = 1 Software_Release = 1 MaxTsdr_9.6 = </td <td>Model_Name = "AJ35TB3-16DT" Revision = "revision G52" Ident_Number = 0xF033 Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 FMS_supp = 0 Hardware_Release = "A" Software_Release = "none", ; = 1 9.6_supp = 1 19.2_supp = 1 93.75_supp = 1 500_supp = 1 1.5M_supp = 1 12M_supp = 1 12M_supp = 1 idmartsdr_19.2 = 60 MaxTsdr_19.4 = 60 MaxTsdr_187.5 = 60 MaxTsdr_21.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_12M = 800 ; </td> <td>TON</td>	Model_Name = "AJ35TB3-16DT" Revision = "revision G52" Ident_Number = 0xF033 Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 FMS_supp = 0 Hardware_Release = "A" Software_Release = "none", ; = 1 9.6_supp = 1 19.2_supp = 1 93.75_supp = 1 500_supp = 1 1.5M_supp = 1 12M_supp = 1 12M_supp = 1 idmartsdr_19.2 = 60 MaxTsdr_19.4 = 60 MaxTsdr_187.5 = 60 MaxTsdr_21.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_12M = 800 ;	TON
Revision = "revision G52" Ident_Number = 0xF033 Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 FMS_supp = 0 FMS_supp = 0 Software_Release "A" Software_Release = "none" ; - - 9.6_supp = 1 19.7_S_supp = 1 500_supp = 1 500_supp = 1 500_supp = 1 MaxTsdr_9.6 = 60 MaxTsdr_9.75 = 60 MaxTsdr_9.75 = 60 MaxTsdr_19.75 = 60 MaxTsdr_10.75 = 60 MaxTsdr_15.75 = 60 MaxTsdr_12.84 = 800 ; = 150 MaxTsdr_15.94 = 16 Bitmap_Device = hpmpdev.dib*	Revision = "revision G52" Ident_Number = 0xF033 Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 Hardware_Release = "A" Software_Release = "none"; ? = 1 96_supp = 1 19.2_supp = 1 187.5_supp = 1 500_supp = 1 500_supp = 1 500_supp = 1 1.5M_supp = 1 3M_supp = 1 6M_supp = 1 11 1.8	11101
<pre>Ident_Number = 0xF033 Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 Hardware_Release = "A" software_Release = "A" 9.6_supp = 1 19.2_supp = 1 19.2_supp = 1 117.5_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.2M_supp = 1 ; waxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_19.2 = 60 MaxTsdr_187.5 = 60 MaxTsdr_19.2 = 100 MaxTsdr_187.5 = 60 MaxTsdr_19.2 = 100 MaxTsdr_19.2 = 100 MaxTsdr_19.2 = 100 MaxTsdr_19.2 = 100 MaxTsdr_19.5 = 60 MaxTsdr_19.5 = 60 MaxTsdr_19.5 = 0 Tmplementation_Type = 100 MaxTsdr_12M = 250 MaxTsdr_19.5 = 0 Tmplementation_Type = "implementation type" Bitmap_Device = "bmpder.dib" Freeze_Mode_supp = 1 Auto_Baud_supp = 1 Min_Slave_Interval1 = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; MaxTad_Safe = 1 Slave_Pamly = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11</pre>	<pre>Ident_Number = 0xF033 Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 Hardware_Release = "A" Software_Release = "A" Software_Release = "none"; ; 9.6_supp = 1 19.2_supp = 1 19.2_supp = 1 187.5_supp = 1 187.5_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.2M_supp = 1 2.2M_supp = 1 1.2M_supp = 1 1.2M_supp = 1 1.2M_supp = 1 2.2M_supp = 1 2.2M</pre>	
Protocol_Ident = 0 Station_Type = 0 Station_Type = 0 Hardware_Release = "A" Software_Release = "none"; * = 1 9.6_supp = 1 19.2_supp = 1 19.3_supp = 1 187.5_supp = 1 Software_Release = "none"; * = 1 19.2_supp = 1 187.5_supp = 1 Marssupp = 1 * = 1 Marssdr_9.6 = 60 MaxTsdr_9.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_15.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187 = 150 MaxTsdr_187 = 160 MaxTsdr_12M = 800 ; <td><pre>Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 Hardware_Release = "A" Software_Release = "none"; ; 9.6_supp = 1 19.2_supp = 1 1.19.2_supp = 1 1.19.2_supp = 1 1.187.5_supp = 1 1.187.5_supp = 1 1.187.5_supp = 1 1.21M_supp = 1 1.21M_supp = 1 2.21M_supp = 1 2.21M_supp = 1 2.21M_supp = 1 2.21M_supp = 2 2.21M_supp = 2</pre></td> <td></td>	<pre>Protocol_Ident = 0 Station_Type = 0 FMS_supp = 0 Hardware_Release = "A" Software_Release = "none"; ; 9.6_supp = 1 19.2_supp = 1 1.19.2_supp = 1 1.19.2_supp = 1 1.187.5_supp = 1 1.187.5_supp = 1 1.187.5_supp = 1 1.21M_supp = 1 1.21M_supp = 1 2.21M_supp = 1 2.21M_supp = 1 2.21M_supp = 1 2.21M_supp = 2 2.21M_supp = 2</pre>	
<pre>FMS_supp = 0 Hardware_Release = "A" Software_Release = "A" 9.6_supp = 1 1.19.2_supp = 1 1.37.5_supp = 1 1.57.5_supp = 1 3M_supp = 1 3</pre>	<pre>FMS_supp = 0 Hardware_Release = "A" Software_Release = "A" Software_Release = "none"; ; 9.6_supp = 1 19.2_supp = 1 19.2_supp = 1 19.3.75_supp = 1 187.5_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.1.5M_supp = 1 1.2M_supp = 1 2.2M_supp = 1 2.2M_sup = 1</pre>	
<pre>FMS_supp = 0 Hardware_Release = "A" Software_Release = "A" 9.6_supp = 1 1.19.2_supp = 1 1.37.5_supp = 1 1.57.5_supp = 1 3M_supp = 1 3</pre>	<pre>FMS_supp = 0 Hardware_Release = "A" Software_Release = "A" Software_Release = "none"; ; 9.6_supp = 1 19.2_supp = 1 19.2_supp = 1 19.3.75_supp = 1 187.5_supp = 1 1</pre>	
Software_Release = "none" ; 9.6_supp = 1 19.2_supp = 1 137.5_supp = 1 137.5_supp = 1 137.5_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.1M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 80 MaxTsdr_19.2 = 80 MaxTsdr_119.2 = 80 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 450 MaxTsdr_1.5M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Inplementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_SP = "bmpdi.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Sat_Slave_Intervall = 65535 ; Modula_Station = 0 Modul_Offset = 255 ; Modula_Station = 8 Slave_Family = 3 Max_Diag_Data_Len = 8 ; ; Module = "aj95tb32-16dt" 0x11	Software_Release = "none" ; 9.6_supp = 1 19.2_supp = 1 93.75_supp = 1 187.5_supp = 1 187.5_supp = 1 1.5M_supp = 1 1.5M_supp = 1 3M_supp = 1 1.2M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_9.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 250 MaxTsdr_1.4M = 450 MaxTsdr_1.2M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_SF = "bmpdi.dib" ; Freeze_Mode_supp = 1 Auto_Baud_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Supplate = 1 Suppl	
<pre>; = 1 9.6_supp = 1 19.2_supp = 1 19.2_supp = 1 187.5_supp = 1 500_supp = 1 3M_supp = 1 3M_supp = 1 3M_supp = 1 12M_supp = 1 12M_supp = 1 ; maxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_11.5 = 60 MaxTsdr_1.5 = 60 MaxTsdr_1.5 = 100 MaxTsdr_1.5 = 100 MaxTsdr_1.5 = 450 MaxTsdr_1.5 = 450 MaxTsdr_1.5 = 0 Implementation_Type = 1 Repeater_Ctrl_Sig = 1 Sitmap_Diag = "bmpdi.dib" Bitmap_Diag = "bmpdi.dib" Freeze_Mode_supp = 1 Auto_Baud_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Slave_Intervall = 65535 ; Modula_Station = 0 Modul_Offset = 255 ; Modular_Station = 0 MaxTsdr_2 = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; // Module = "aj95tb32-16dt" 0x11 // 1</pre>	<pre>; 9.6_supp = 1 19.2_supp = 1 93.75_supp = 1 137.5_supp = 1 1387.5_supp = 1 1500_supp = 1 1.5M_supp = 1 3M_supp = 1 3M_supp = 1 12M_supp = 1 12M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 250 MaxTsdr_1.2M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_SF = "bmpsf.dib"; Freeze_Mode_supp = 1 Auto_Baud_supp = 1 Min_Slave_Interval1 = 65535 ; </pre>	
<pre>9.6_supp = 1 19.2_supp = 1 19.2_supp = 1 19.3_supp = 1 13.5_supp = 1 500_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.2M_supp = 1 2.2 = 60 MaxTsdr_9.6 = 60 MaxTsdr_9.7 = 60 MaxTsdr_9.7 = 60 MaxTsdr_19.7 = 60 MaxTsdr_19.7 = 60 MaxTsdr_10.7 = 250 MaxTsdr_1.5 = 60 MaxTsdr_1.5 = 60 MaxTsdr_1.5 = 250 MaxTsdr_1.5 = 10 MaxTsdr_1.5 = 0 MaxTsdr_1.5 = 10 MaxTsdr_1.5 = 0 MaxTsdr_1.5 = 450 MaxTsdr_1.5 = 0 MaxTsdr_1.5 = 0 Inplementation_Type = 'implementation type' Bitmap_Device = 'bmpdev.dib' Bitmap_Diag = 'bmpdi.dib' FreezeMode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Min_Slave_Interval1 = 65535 / Modular_Station = 0 Modular_Station = 0 Slave_Family = 3 Max_Ddr_1.5 = 0 Nodular_Station = 0 Nodul_0ffset = 255 / Module = 'aj95tb32-16dt' 0x11 1</pre>	<pre>9.6_supp = 1 19.2_supp = 1 19.2_supp = 1 93.75_supp = 1 147.5_supp = 1 147.5_supp = 1 1500_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.12M_supp = 1 1.12M_supp = 1 1.1 2.M_supp = 1 1</pre>	
93.75_supp = 1 187.5_supp = 1 500_supp = 1 3M_supp = 1 3M_supp = 1 3M_supp = 1 12M_supp = 1 12M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 250 MaxTsdr_1.5M = 250 MaxTsdr_12M = 8000 ; Redundarcy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Diag = "bmpdia.dib" Bitmap_Diag = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Min_Slave_Interval1 = 65535 ; Modular_Station = 0 Modular_Station = 0 Modular_Stati	<pre>93.75_supp = 1 187.5_supp = 1 187.5_supp = 1 187.5_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.5M_supp = 1 12M_supp = 1 12M_supp = 1 1; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_19.2 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_3M = 250 MaxTsdr_3M = 250 MaxTsdr_12M = 8000 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Diag = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Min_Slave_Interval1 = 65535 ;</pre>	
<pre>187.5_supp = 1 500_supp = 1 1.5M_supp = 1 1.5M_supp = 1 6M_supp = 1 1.12M_supp = 1 1.2M_supp = 1 1.2M_supp = 1 1.2M_stradr_9.6 = 60 MaxTsdr_1.5 = 60 MaxTsdr_1.5 = 60 MaxTsdr_1.5 = 60 MaxTsdr_1.5 = 100 MaxTsdr_1.5 = 250 MaxTsdr_1.5 = 250 MaxTsdr_1.5 = 0 Implementation_Type = 1 Repeater_Ctrl_Sig = 1 24V_pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_SF = "bmpdia.dib" Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Set_Slave_Add_supp = 1 Set_Slave_Family = 3 Max_Diag_Data_Len = 8 ; Max_Data_Station = 0 Max_Data_Len = 8 ; Max_Data_Station = 8 ; Max_Data_Station = 0 Max_Data_Len = 8 ; </pre>	<pre>187.5_supp = 1 500_supp = 1 500_supp = 1 1.5M_supp = 1 3M_supp = 1 6M_supp = 1 12M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_3M = 250 MaxTsdr_12M = 8000 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Interval1 = 65535 ;</pre>	
<pre>500_supp = 1 1.5M_supp = 1 1.5M_supp = 1 1.5M_supp = 1 2M_supp = 1 1.2M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_9.75 = 60 MaxTsdr_9.75 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 250 MaxTsdr_1.5M = 250 MaxTsdr_1.2M = 8000; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Nin_Slave_Interval1 = 65535; ; Modula_Station = 0 Modula_Station = 0 Modul_Offset = 255; ; Modula_Station = 0 Modula_Len = 8; ; Module = "aj95tb32-16dt" 0x11 1</pre>	<pre>S00_supp = 1 1.5M_supp = 1 1.5M_supp = 1 3M_supp = 1 6M_supp = 1 12M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_19.2 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Interval1 = 65535 ;</pre>	
<pre></pre>	<pre>1.5M_supp = 1 3M_supp = 1 3M_supp = 1 6M_supp = 1 12M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 250 MaxTsdr_1.6M = 450 MaxTsdr_1.2M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Sitmap_SF = "bmpsf.dib"; Freeze_Mode_supp = 1 Supp_State = 1 Supp_</pre>	
<pre>3M_supp = 1 6M_supp = 1 12M_supp = 1 ; maxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_19.2 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5 = 60 MaxTsdr_1.5 = 150 MaxTsdr_1.5 = 150 MaxTsdr_1.5 = 250 MaxTsdr_1.5 = 250 MaxTsdr_1.2 = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdev.dib" Bitmap_SF = "bmpdev.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Min_Slave_Intervall = 65535 ; Modula_Station = 0 Modula_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11 1</pre>	<pre>3M_supp = 1 6M_supp = 1 12M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_GM = 450 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpdi.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Min_Slave_Intervall = 65535 ;</pre>	
<pre>6M_supp = 1 12M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 250 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Min_Slave_Intervall = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11 1</pre>	<pre>6M_supp = 1 12M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_GM = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Min_Slave_Intervall = 65535 ;</pre>	
<pre>MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_19.2 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 250 MaxTsdr_1.5M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdi.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11 L</pre>	<pre>12M_supp = 1 ; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_19.2 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Interval1 = 65535 ;</pre>	
<pre>; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 250 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Interval1 = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11 1</pre>	<pre>; MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Min_Slave_Intervall = 65535 ;</pre>	
<pre>MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1.5M = 150 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdev.dib" Bitmap_SF = "bmpds.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Min_Slave_Intervall = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11 1</pre>	<pre>MaxTsdr_9.6 = 60 MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_187.5 = 60 MaxTsdr_500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Min_Slave_Intervall = 65535 ;</pre>	
<pre>MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_1500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Interval1 = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11 1</pre>	<pre>MaxTsdr_19.2 = 60 MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib"; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Interval1 = 65535 ;</pre>	
<pre>MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Interval1 = 65535 ; Modular_Station = 0 Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11</pre>	<pre>MaxTsdr_93.75 = 60 MaxTsdr_187.5 = 60 MaxTsdr_500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535</pre>	
<pre>MaxTsdr_187.5 = 60 MaxTsdr_500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11 1</pre>	<pre>MaxTsdr_187.5 = 60 MaxTsdr_500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535 ;</pre>	
<pre>MaxTsdr_500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 8000 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; Module = "aj95tb32-16dt" 0x11 </pre>	<pre>MaxTsdr_500 = 100 MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535 ;</pre>	
<pre>MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Sync_Mode_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; ; Module = "aj95tb32-16dt" 0x11 1</pre>	<pre>MaxTsdr_1.5M = 150 MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535 ;</pre>	
<pre>MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdi.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535 ; Modular_Station = 0 Modul_Offset = 255 ; Fail_Safe = 1 Slave_Family = 3 Max_Diag_Data_Len = 8 ; ; Module = "aj95tb32-16dt" 0x11 1</pre>	<pre>MaxTsdr_3M = 250 MaxTsdr_6M = 450 MaxTsdr_12M = 800 ; Redundancy = 1 Repeater_Ctrl_Sig = 1 24V_Pins = 0 Implementation_Type = "implementation type" Bitmap_Device = "bmpdev.dib" Bitmap_Diag = "bmpdia.dib" Bitmap_SF = "bmpsf.dib" ; Freeze_Mode_supp = 1 Sync_Mode_supp = 1 Auto_Baud_supp = 1 Set_Slave_Add_supp = 1 Min_Slave_Intervall = 65535 ;</pre>	
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	I EndModule	

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MODEL	PROFIBUS-I/O-SH0
MODEL CODE	13JM10

A MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: MITSUBISHI DENKI BLDG MARUNOUCHI TOKYO 100 TELEX: J24532 CABLE MELCO TOKYO NAGOYA WORKS: 1-14, YADA-MINAMI 5, HIGASHI-KU, NAGOYA, JAPAN

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Specifications subject to change without notice.