



# NIPPON KAIJI KYOKAI

## *Certificate*

Certificate No. A-675

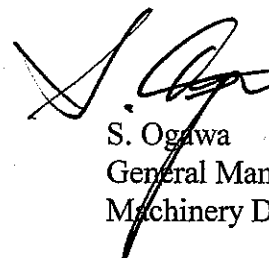
### **OF TYPE APPROVAL**


MANUFACTURER: Mitsubishi Electric Corporation Himeji Factory, Japan  
ARTICLE: Programmable Controller  
TYPE NAME: FX1N Series and FX1S Series  
TYPE TEST NO.: 04 A 046  
PARTICULARS: Shown on the attached sheet.  
DOCUMENTATION: Shown on the attached sheet.  
NOTE: Shown on the attached sheet.  
TEST ITEMS: Shown on the attached sheet.

THIS IS TO CERTIFY that the above mentioned type of article has been approved by the NIPPON KAIJI KYOKAI in accordance with the requirements for the environmental tests specified in the Society's Rules.

This certificate will remain in force until the 5th day of December 2010.

Issued at Tokyo on the 6th day of December 2004.

  
S. Ogawa  
General Manager,  
Machinery Department



Note: The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.

# NIPPON KAJI KYOKAI

Attached sheet-1/3

Certificate No. A-675

PARTICULAR:

## FX1N Series

Unit	Model	Input Points	Output Points	Power Supply Voltage	Input Signal	Output Type		
Base Unit	FX1N-14MR-ES/UL	8	6	100VAC to 240V AC 50/60 HZ	24V DC Sink/Source Configurable	Relay Output		
	FX1N-24MR-ES/UL	14	10					
	FX1N-40MR-ES/UL	24	16					
	FX1N-60MR-ES/UL	36	24					
	FX1N-14MT-ESS/UL	8	6					
	FX1N-24MT-ESS/UL	14	10					
	FX1N-40MT-ESS/UL	24	16					
	FX1N-60MT-ESS/UL	36	24					
	FX1N-14MR-DS	8	6	12V DC to 24V DC		Relay Output		
	FX1N-24MR-DS	14	10					
	FX1N-40MR-DS	24	16					
	FX1N-60MR-DS	36	24					
	FX1N-14MT-DSS	8	6			Transistor Output		
	FX1N-24MT-DSS	14	10					
	FX1N-40MT-DSS	24	16					
	FX1N-60MT-DSS	36	24					
Function Board	FX1N-422-BD	-	-	From Base/Extension Unit	-	-		
	FX1N-485-BD	-	-					
	FX1N-232-BD	-	-					
	FX1N-8AV-BD	8(Volume)	-					
	FX1N-CNV-BD	-	-					
	FX1N-4EX-BD	4	-				24V DC	
	FX1N-2EYT-BD	-	2				-	Tr Output
	FX1N-2AD-BD	2(Analog)	-				Analog	
	FX1N-1DA-BD	-	1(Analog)				-	Analog
Display Module	FX1N-5DM	-	-		--	--		
Memory Cassette	FX1N-EEPROM-8L	-	-			-		
Extension Block	FX2N-16EYR-ES/UL	-	16	From Base only	-	Relay Output		
	FX2N-16EYT-ES/UL	-	16	FX1N-□□MR-DS	-	Tr Output		
	FX2N-16EX-ES/UL	16	-	FX1N-□□MT-DSS /Extension Unit	24V DC	-		

# NIPPON KAIJI KYOKAI

Attached sheet-2/3

Certificate No. A-675

## FX1S Series

Unit	Model	Input Points	Output Points	Power Supply Voltage	Input Signal	Output Type
Base Unit	FX1S-10MR-ES/UL	6	4	100VAC to 240V AC 50/60 HZ	24V DC Sink/Source Configurable	Relay Output
	FX1S-14MR-ES/UL	8	6			
	FX1S-20MR-ES/UL	12	8			
	FX1S-30MR-ES/UL	16	14			
	FX1S-10MT-ESS/UL	6	4			Transistor Output
	FX1S-14MT-ESS/UL	8	6			
	FX1S-20MT-ESS/UL	12	8			
	FX1S-30MT-ESS/UL	16	14			
	FX1S-10MR-DS	6	4	24V DC	Relay Output	
	FX1S-14MR-DS	8	6			
	FX1S-20MR-DS	12	8			
	FX1S-30MR-DS	16	14			
	FX1S-10MT-DSS	6	4		Transistor Output	
	FX1S-14MT-DSS	8	6			
	FX1S-20MT-DSS	12	8			
	FX1S-30MT-DSS	16	14			

## DOCUMENTATION:

### Drawing No.:

Y004B45371, JY335C272, JY328B165, JY335C251, JY328C163, JY335C252, JY328B164,  
Y004B46071, JY335C275, JY328B168, JY335C298, JY328C207, JY335C249, JY328B161,  
JY004B42371, JY335C239, JY328B140, JY335C203, JY328C135, JY335C207, JY328B139,  
JY004B43071, JY335C292, JY328B197, JY335C204, JY328C136, JY004C22371, Y330C955,  
JY308B949, JY004C22671, JY330C954, JY308B948, JY004C22571, Y335C005

### Test Report No.:

BZ-5486, BZ-5487, 22DE0017-YW-5, 22DE0017-YW-2, S2B016202, S2B016201,  
S2B016182, S2B016181, S1A003172, 19G0062-02, S1R008192, S2B00Z281,  
22JE0094-YW-4, 22JE0094-YW-3, 25CE0108-YW

## NOTE:

FX1N Series, FX1S-□□MR-ES/UL and FX1S-□□MT-ESS/UL should not be installed in the bridge and deck zone.

# NIPPON KAIJI KYOKAI

Attached sheet-3/3

Certificate No. A-675

Test items: Applied test items are marked with X.

ENVIRONMENTAL TESTS	Mark
External examination	X
Operation test and performance test	X
Electric power supply failure test	X
Electric power supply fluctuation test	X
Power supply fluctuation test	--
Insulation resistance test	X
High voltage test	X
Pressure test	--
Dry heat test	X
Damp heat test	X
Vibration test	X
Inclination test	X
Cold test	X
Salt mist test	--
Electrostatic discharge immunity test	X
Radiated radio frequency immunity test	X
Conducted low frequency immunity test	X
Conducted high frequency immunity test	X
Burst/Fast transient immunity test	X
Surge immunity test	X
Radiated emission test	X
Conducted emission test	X