



## LR Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.

This certificate is issued to:

<b>PRODUCER</b>	Mitsubishi Electric Corporation.
<b>PLACE OF PRODUCTION</b>	Himeji Works 840 Chiyoda-machi, Himeji-City, Hyogo-Pref, 670-8677, Japan
<b>DESCRIPTION</b>	Programmable Logic Controller MELSEC FX1N Series and MELSEC FX1S Series:-
<b>TYPE</b>	
MELSEC FX1N Series:-	<b>Base Unit :</b> FX1N-14MR-ES/UL, FX1N-24MR-ES/UL, FX1N-40MR-ES/UL, FX1N-60MR-ES/UL, FX1N-14MT-ESS/UL, FX1N-24MT-ESS/UL FX1N-40MT-ESS/UL, FX1N-60MT-ESS/UL, FX1N-14MR-DS, FX1N-24MR-DS, FX1N-40MR-DS, FX1N-60MR-DS, FX1N-14MT-DSS, FX1N-24MT-DSS, FX1N-40MT-DSS, FX1N-60MT-DSS  <b>Function Board:</b> FX1N-422-BD, FX1N-485-BD, FX1N-232-BD, FX1N-8AV-BD, FX1N-CNV-BD, FX1N-4EX-BD, FX1N-2EYT-BD, FX1N-2AD-BD, FX1N-1DA-BD <b>Display Module:</b> FX1N-5DM <b>Memory Cassette:</b> FX1N-EEPROM-8L
MELSEC FX1S Series:-	<b>Base Unit :</b> FX1S-10MR-ES/UL, FX1S-14MR-ES/UL, FX1S-20MR-ES/UL, FX1S-30MR-ES/UL, FX1S-10MT-ESS/UL, FX1S-14MT-ESS/UL FX1S-20MT-ESS/UL, FX1S-30MT-ESS/UL, FX1S-10MR-DS, FX1S-14MR-DS, FX1S-20MR-DS, FX1S-30MR-DS, FX1S-10MT-DSS, FX1S-14MT-DSS, FX1S-20MT-DSS, FX1S-30MT-DSS
<b>Certificate No.</b>	01/10094
<b>Issue Date</b>	17 December 2001
<b>Expiry Date</b>	16 December 2006
<b>Sheet</b>	1 of 3

  
T.Sato



Lloyd's Register of Shipping  
71 Fenchurch Street, London EC3M 4BS

### APPLICATION

Marine and offshore industrial application for use in environmental categories ENV1 and ENV2 as specified in LR's Test Specification No.1-1996.

### RATINGS: 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	24VDC 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			24VDC		Transistor Output
	FX1N-24MT-ESS/UL	14	10					
	FX1N-40MT-ESS/UL	24	16					
	FX1N-60MT-ESS/UL	36	24					
	FX1N-14MR-DS	8	6			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)	-		24VDC	-	Tr Output	
	FX1N-CNV-BD	-	-					
	FX1N-4EX-BD	4	-					
	FX1N-2EYT-BD	-	2		Analog	-	Analog	
	FX1N-2AD-BD	2 (Analog)	-					
	FX1N-1DA-BD	-	1(Analog)					
Display Module	FX1N-5DM	-	-	-	-	-		
Memory cassette	FX1N-EEPROM-8L	-	-	-	-	-		

Certificate No. 01/10094  
 Issue Date 17 December 2001  
 Expiry Date 16 December 2006  
 Sheet 2 of 3

  
 T.Sato



TYPE APPROVED

**RATINGS: 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	24VDC 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	24VDC		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			

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify LR of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. 01/10094 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

Certificate No. 01/10094  
 Issue Date 17 December 2001  
 Expiry Date 16 December 2006  
 Sheet 3 of 3

  
 T.Sato