

EC Declaration Of Conformity



Document No. JY992D54201J , April 2002

Manufacturer: Mitsubishi Electric Corporation, Himeji Works,
Address: 840 Chiyoda-Machi, Himeji, Hyogo, 670 Japan.

Manufacturers Agent: Mitsubishi Electric Europe - United Kingdom Branch (MEU-UK)
Address: Travellers Lane, Hatfield, Herts, England

Products Type: Programmable Controller
(Open Type Equipment, Installation category II)
Models: MELSEC FX0N series
(EMC applicable units identified in Appendix 1)
(LVD applicable units identified in Appendix 2)

The above mentioned products comply with the following European directives:

Directive	Remark
89/336/EEC	Electromagnetic compatibility directive (EMC)
73/23/EEC	Low voltage directive (LVD)

Further particulars about the conformity with these directives are contained in the appendices.
CE-marking was first applied July 1995 for EMC, and November 1995 for LVD.

Writer: Takahito Yoshimura (PLC Design Section)
Place: Mitsubishi Electric, Himeji Works, Himeji, Japan Date: April 2002

Signature of representative
for the Manufacturer: Yoshivuki Okumura
(Himeji Works Industrial Apparatus Divisional Manager)
Place: Mitsubishi Electric, Himeji Works, Himeji, Japan Date: April 2002

Signature of representative
for the Manufacturer's Agent: Jutta Julich
(Mitsubishi Electric Europe B.V. - German Branch, Industrial Products Divisional Manager)
Place: Mitsubishi Electric Europe B.V. - German Branch, Ratingen, Germany Date: April 2002

The appendices are part of this declaration. This declaration certifies the conformity with the directives mentioned, but does not contain any warranted qualities. The installation, usage and safety directions of the product documentation have to be observed.

Appendix 1 - FX0N type programmable controllers with regard to EMC

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Products: The following products produced from July 1995 are covered by this declaration.

Product Name		
FX0N-40MR-ES	FX0N-8EYR-ES	FX0N-8EX-ES
FX0N-60MR-ES	FX0N-8EYT-ESS	

The following products produced from August 1995 are covered by this declaration.

Product Name		
FX0N-24MR-ES		FX0N-40ER-ES
FX0N-24MR-DS	FX0N-24MT-DSS	
FX0N-40MR-DS	FX0N-40MT-DSS	
FX0N-60MR-DS	FX0N-60MT-DSS	

The following products produced from January 1996 are covered by this declaration.

Product Name		
FX0N-16EX-ES/UL	FX0N-16EYR-ES/UL	FX0N-16EYT-ESS/UL
FX0N-8ER-ES/UL		
FX0N-16NT		

The following products produced from May 1996 are covered by this declaration.

Product Name		
FX0N-232ADP	FX0N-3A*1	FX0N-40ER-DS
FX0N-485ADP		FX0N-40ET-DSS

The following products produced from July 1996 are covered by this declaration.

Harmonized Products....(see JY992D60201A for more details)		
FX0N-24MR-ES/UL	FX0N-40ER-ES/UL	FX0N-8EX-ES/UL
FX0N-40MR-ES/UL		FX0N-8EYR-ES/UL
FX0N-60MR-ES/UL		FX0N-8EYT-ESS/UL

The following products produced from April 1997 are covered by this declaration.

Product Name		
FX0N-32NT-DP*1		

(Appendix 1 - FX0N type programmable controllers with regard to EMC)

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The conformity of the mentioned products with the regulations of the Directive 89/336/EEC for Electromagnetic Compatibility is shown by application of a Technical Construction File. This is supported by selected product tests to the following EMC standards directly and indirectly (when Generic EMC standards are used).

Note: The mentioned products must be used as directed by the associated documentation in order to provide full compliance.

Harmonised European Standards- IEC Standards

Reference No.	Date of Issue	Reference No.	Date of Issue
EN50081-2	1994	IEC801-2	1984
EN50082-1	1992	IEC801-3	1984
prEN50082-2	1992	IEC801-4	1988
EN50082-2	1995	EN61000-4-2	1995
EN61000-6-2	2001*1	EN61000-4-3	1997
EN61131-2	1994*1	EN61000-4-4	1995
EN61131-2 AMENDMENT 11	1996*1	EN61000-4-5	1995
EN61131-2 AMENDMENT 12	2000*1	EN61000-4-6	1996
		EN61000-4-8	1993
		EN61000-4-11	1994

The Mitsubishi FX0N TCF (EMC - ORIGINAL FILE) <Technical Construction File (and amendments)> is stored at the following location under the identified reference:

Competent Body: ERA Technology Ltd
 Address: Cleve Road, Leatherhead, Surrey, England
 Competent Body/NAMAS Accreditation Number: 0053
 ERA TCF Reference Number: 4473/1B6

<EN50082-2 Test>

Competent Body: Mitsubishi Electric Europe B.V. Accredited EMC - Test Laboratory
 Address: Gothaer Str.8 , D-40880 Ratingen,
 GERMANY
 Reference Number: MEU:980243

< EN610006-2 or EN61131-2 Test>

Test Laboratory : A-pex International Co.,Ltd
 Address: 108 Yokowa-cho , Ise-shi , Mie-ken 516-1106, JAPAN
 Test report Number: 22EE0084-YW-3, 22HE0089-YW-2
 22HE0089-YW-1, 22HE0090-YW, 22DE0019-YW-2

The EMC agreement declaration of Mitsubishi FX0N series without the certificate of Competent Body is done by self-declaration based on the test result of the above Test Laboratory.

{Explanation:*1}

From April 1st 2002, the EMC agreement declaration of all listed products except for FX0N-3A and FX0N-32NT-DP is done in compliance with EN50081-2 and EN61000-6-2.

FX0N-32NT-DP is in compliance with EN50081-2 and EN61131-2.

FX0N-3A is in compliance with EN50081-2 , EN61000-6-2 and EN61131-2.

Appendix 2 – FX0N type programmable controllers with regard to LVD

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Products: The following products produced from November 1995 are covered by this declaration.

Product Name			
			FX0N-8EX-ES
FX0N-40MR-ES	FX0N-40MR-DS	FX0N-40ER-ES	FX0N-8EYR-ES
FX0N-60MR-ES	FX0N-60MR-DS		FX0N-8EYT-ESS
FX0N-40MT-DSS			
FX0N-60MT-DSS			

The following products produced from January 1996 are covered by this declaration.

Product Name		
FX0N-24MR-ES	FX0N-24MR-DS	FX0N-24MT-DSS

The following products produced from May 1996 are covered by this declaration.

Product Name		
FX0N-16EX-ES/UL	FX0N-16EYR-ES/UL	FX0N-16EYT-ESS/UL
FX0N-8ER-ES/UL		
FX0N-40ER-DS	FX0N-40ET-DSS	

The following products produced from July 1996 are covered by this declaration.

Harmonized Products....(see JY992D60201A for more details)		
FX0N-24MR-ES/UL	FX0N-40ER-ES/UL	FX0N-8EX-ES/UL
FX0N-40MR-ES/UL		FX0N-8EYR-ES/UL
FX0N-60MR-ES/UL		FX0N-8EYT-ESS/UL

(Appendix 2 - FX0N type programmable controllers with regard to LVD)

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The conformity of the mentioned products with the regulations of the Directive 73/23/EEC for Low Voltage is shown by application of a Technical Construction File. This is supported by selected product tests to the following LVD standards directly and indirectly (where noted).

Note: The mentioned products must be used as directed by the associated documentation in order to provide full compliance.

Harmonised European Standards:

Reference No.	Date of Issue:
BSEN61010-1	1993 *
Amendment 2	1995**

IEC Standards

Reference No.	Date of Issue
IEC1010-1	1990
Amendment 1	1992
Amendment 2	1995**

* Compliance to BSEN61010-1 is claimed through virtue of direct compliance to IEC1010-1, Amendment 1 in addition to the previously identified EMC conformance - see Appendix 1.

The Mitsubishi FX0N TCF (LVD - ORIGINAL FILE) <Technical Construction File> is stored at the following location under the identified reference:

Competent Body:	ERA Technology Ltd
Address:	Cleeve Road, Leatherhead, Surrey, England

ERA LVD Test Report Number:	95-1179
	96-0056
	96-0438
ERA Project Number:	25-01-4146/822
	25-01-4146/830
	25-01-4146/923

** The LVD agreement declaration of BSEN61010-1 - Amendment 2 is done based on self-declaration.

Modification History

Subject Document: FX0N Declaration Of Conformity
Reference number: JY992D54201

This is an additional sheet to identify any change to the associated Declaration Of Conformity. This sheet does not form any direct part of the declaration and is not for issue with the declaration. This sheet is for Mitsubishi Electric's internal control and management of the declaration.

Date of new issue	New revision letter	Changes
July 1995	A	First Issue
August 1995	B	Addition of FX0N-24MR-ES, FX0N-40ER-ES, FX0N-☆☆MR-DS, FX0N-☆☆MT-DSS, where ☆☆=24, 40 or 60.
November 1995	C	Addition of Appendix 2 (page 3 of the declaration) and all references to LVD and the Low Voltage Directive on page 1
January 1996	D	Addition of FX0N-8ER-ES, FX0N-16EX-ES, FX0N-16EYR-ES, FX0N-16EYT-ESS and the FX0N-16NT to the EMC Appendix, 1.
May 1996	E	Addition of FX0N-24MR-ES, FX0N-24MR-DS and FX0N-24MT-DSS to the LVD Appendix, 2. Addition of the FX0N-232ADP, FX0N-485ADP, FX0N-40ER-DS, FX0N-40ET-DSS to the EMC Appendix 1. Addition of FX0N-3A to EMC Appendix 1 Addition of FX0N-8ER-ES, FX0N-16EX-ES, FX0N-16EYR-ES, FX0N-16EYT-ESS, FX0N-40ER-DS and FX0N-40ET-DSS to the LVD Appendix 2.
July 1996	F	Correction of TCF name referenced in the LVD Appendix 2 from FX0 to FX0N Addition of Harmonized Product to both EMC and LVD Appendices. Correct reference to ERA LVD Report Number.
November 1996	G	Addition of EN50082-2 test result.
December 1998	H	Addition of FX0N-32NT-DP to EMC Appendix 1.
April 2002	J	Addition of correspondence to EN61000-6-2 and EN61010-1 Amendment 2 Addition of correspondence to EN61131-2 of FX0N-3A and FX0N-32DP-IF