

EC Declaration Of Conformity



Document No. JY992D90201D, April 2002

Manufacturer: Mitsubishi Electric Corporation, Himeji Works,
Address: 840 Chiyoda-Machi, Himeji, Hyogo, 670-8677 Japan.

Manufacturers Agent: Mitsubishi Electric Europe B.V. Germany (MEU-GER)
Address: GothaerStr.8, 40880 Ratingen/P.O. Box 1548, 40835 Ratingen,
Germany

Products Type : Programmable Controller
(Open Type Equipment, Installation category II)
Models : MELSEC FX1S 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 March 2000 for EMC, and March 2000 for LVD.

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

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

Signature of representative
for the Manufacturers 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 - FX1s type programmable controllers with regard to EMC

Document No. JY992D90201D, April 2002

Products: The following products produced from March 2000 are covered by this declaration.

Product Name			
FX1s-10MR-ES/UL	FX1s-14MR-ES/UL	FX1s-20MR-ES/UL	FX1s-30MR-ES/UL

The following products produced from September 2000 are covered by this declaration.

Product Name			
FX1s-10MR-DS	FX1s-14MR-DS	FX1s-20MR-DS	FX1s-30MR-DS
FX1s-10MT-DSS	FX1s-14MT-DSS	FX1s-20MT-DSS	FX1s-30MT-DSS

The following products produced from July 2001 are covered by this declaration.

Product Name			
FX1s-10MT-ESS/UL	FX1s-14MT-ESS/UL	FX1s-20MT-ESS/UL	FX1s-30MT-ESS/UL

The conformity of the mentioned products with the regulations of the Directive 89/336/EEC for Electromagnetic Compatibility is shown by application of Test Reports. 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.

Harmonized European Standards		EN Standards	
Reference No.	Date of Issue	Reference No.	Date of Issue
EN50081-2	1993	EN55011	1998* ¹
EN50082-2	1995	EN61000-4-2	1995
EN61000-6-2	1999	ENV50140	1993
		ENV50204	1995
		EN61000-4-4	1995
		ENV50141	1993
		EN61000-4-8	1993
		EN61000-4-5	1995
		EN61000-4-11	1994

*¹ FX1s-**MR-ES/UL is certificated from C.B(ex.DAR) in according to EN55011:1991, where ** is 10,14,20or 30.

(Appendix 1 - FX1S type programmable controllers with regard to EMC)

Document No. JY992D90201D, April 2002

The EMC agreement declaration of Mitsubishi FX1S series is done based on the examination agreement by the following Competent Body. However, for the type without the certificate of Competent Body it is done by self-declaration based on the test result of the following Test Laboratory.

- Competent Body and Certificate No.: DAR; S1A003171, S1A003172
S2B016201
- Test laboratory and document No.: Tokin EMC Engineering Co., Ltd.;
S1A002521, SAY002421, SAY002481
S1A002522, SAY002422, SAY002482
S2B013141, SAY013041
- Competent Body and Certificate No.: Semko; 0034153V, 0042218V
- Test laboratory and document No.: A-pex International Co., Ltd. ;
21AE0005-YW, 19G0062-02
- Test laboratory and document No.: A-pex International Co., Ltd. ;
22DE0017-YW-3

Declaration
of
conformity

Appendix 2 - FX1S type programmable controllers with regard to LVD

Document No. JY992D90201D, April 2002

Products: The following products produced from **March 2000** are covered by this declaration.

Product Name			
FX1s-10MR-ES/UL	FX1s-14MR-ES/UL	FX1s-20MR-ES/UL	FX1s-30MR-ES/UL

The following products produced from **September 2000** are covered by this declaration.

Product Name			
FX1s-10MR-DS	FX1s-14MR-DS	FX1s-20MR-DS	FX1s-30MR-DS

The following products produced from **July 2001** are covered by this declaration.

Product Name			
FX1s-10MT-ESS/UL	FX1s-14MT-ESS/UL	FX1s-20MT-ESS/UL	FX1s-30MT-ESS/UL

The conformity of the mentioned products with the regulations of the Directive 73/23/EEC for Low Voltage is shown by application of Test Reports. 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.

Harmonized European Standards:

Reference No.	Date of Issue
BSEN61010-1	1993 *2
Amendment 2	1995
EN61010-1	2001

IEC Standards

Reference No.	Date of Issue
IEC 1010-1	1990
Amendment 1	1992
Amendment 2	1995

Compliance to BSEN61010-1 is claimed through virtue of direct compliance to IEC1010-1, Amendment 1 and Amendment 2 in addition to the previously identified EMC conformance - see Appendix 1.

The LVD agreement declaration of Mitsubishi FX1S series is done by self-declaration based on the test result of the following Test laboratory (according to EN61010-1:2001).

Test laboratory
Test report No.

A-PEX International Co., Ltd.
22BS0095

Modification History

Subject Document: FX1s Declaration Of Conformity
 Reference number: JY992D90201

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 internal control and management of the declaration.

Date of new issue	New revision letter	Changes
May 2000	A	First Issue
February 2001	B	Addition of FX1s-**MR-DS and FX1s-**MT-DSS, where **=10,14,20 or 30. Error in writing correction
October 2001	C	Addition of FX1s-**MT-ESS/UL Error in writing correction
April 2002	D	Addition of EN61000-6-2 Addition of EN61010-1:2001

Declaration of conformity