Declaration of Conformity - DL405 (SU) series

This is to certify that the DL405 (SU) PROGRAMMABLE LOGIC CONTROL SYSTEM, comprising:

Base assemblies	D4-04B(U-04B), D4-06B(U-06B), D4-08B(U-08B), D4-04BNX(U-04BJ) D4-06BNX(U-06BJ), D4-08BNX(U-08BJ), D4-04B-1(U-14B), D4-06B-1(U-16B), D4-08B-1(U-18B)
CPU 115/230vAC	D4-430(SU-5E), D4-440(SU-6B), D4-450(SU-SM)
CPU DC powered	D4-440DC-1(SU-6B-C), D4-440DC-2(SU-6B-Y)
Memory cartridges	D4-RAM-1(G-03M), D4-RAM-2(G-05M), D4-RNB(G-53M), D4-UV-1(G-14M) D4-UV-2(G-15M),D4-EE-2(G-25M)
Batteries (Lithium)	D4-MC-BAT(RB-7), D3-D4-BAT(RB-5)
115/230vAC expanders	D4-EX(U-01EW) with D4-EXCBL-1(U-10J), D4-EXCBL-2(U-05J)
DC powered expanders	D4-EXDC(U-01EW-C), D4-EXDC-2(U-01EW-Y)
Remote I/O	D4-RM(U-02RM), D4-RS(U-02RS), D4-RSDC(U-02RS-C)
Slave I/O	D4-SM(U-03RM), D4-SS-88(U-03RS-NT1), D4-SS-106(U-03RS-NT2), D4-SS-16T(U-03RS-T1), D4-SS-16N(U-03RS-N1)
CoProcessors	F4-CP128-1, F4-CP512, F4-CP128-T , F4-CP128-R,
DC Input modules	D4-08ND3S(U-50N), D4-16ND2(U-05N), D4-16ND2F(U-05NH D4-32ND3-1(U-08N), D4-32ND3-2(U-38N), D4-64ND2(U-09N)
AC/DC input modules	D4-08NA(U-20N), D4-16NA(U-25N), F4-08NE3S, D4-16NE3(U-55N)
DC output modules	D4-08TD1(U-12T), D4-16TD1(U-15T), D4-16TD2(U-55T), D4-32TD1(U-18T), D4-32TD1-1(U-38T), D4-32TD2(U-58T), D4-64TD1(U-19T)
AC output modules	D4-08TA(U-20T), D4-16TA(U-25T)
Relay output modules	D4-08TR(U-01T), F4-08TRS-1, F4-08TRS-2, D4-16TR(U-05T)
Analogue inputs	F4-04AD(U-01AD-1), F4-08AD(U-8ADC-1), F4-04ADS F4-08THM-n(U-8THM-n) [note: n=J,K,T,R,S,E,1,2,3 versions]
Analogue outputs	D4-02DA(U-01DA),F4-04DA(U-4DAC-2),F4-04DA-1,F4-04DA-2,F4-08DA-1
Comms modules	D4-DCM(U-01DM), F4-MAS-MB, F4-SLV-MB, F4-SLV-MBR, F4-SLV-TW F4-SDN, F4-MAS-MBR, FA-UNICON
Special modules	D4-INT(U-01NI), D4-HSC(U-01Z), F4-16PID, F4-4LTC(U-4LTC), F4-8MPI D4-16SIM(U-05S), D4-PULS-1(U-11PM), F4-SDS
Programming devices	D4-HPP(S-01P) with cable D4-HPCBL-1(S-30JP), D4-HPCBL-2(S-15JP) D4-CASCBL(S-08JR), and PC programming cable D4-DSCBL*
Operator Terminal	DV-1000(S-10D) with D4-1000CBL(Z-20JP)

Manufactured by:

First code 'D'	**Koyo Electronics Industries Co., Ltd.** 1-171, Tenjin-cho, Kodaira-shi, Tokyo 187, Japan.
First code 'F'	**FACTS Engineering Inc.,** 34760 U.S. Highway 19, Palm Harbor, Florida, 34684. USA.
*D4-DSCBL	**PLC-Direct by Koyo,** 3505 Hutchinson Road, Cumming, GA 30130. USA.

Conforms with the requirements of Council Directive 89/336/EEC, relating to **Electromagnetic Compatibility**, by the application of the following standards:

EN50081-1:1992	Generic Domestic and Light Industrial Environment (Emission)
EN50081-2:1994	Generic Heavy Industrial Environment (Emission)
EN50082-1:1992	Generic Domestic and Light Industrial Environment (Immunity)
EN50082-2:1995	Generic Heavy Industrial Environment (Immunity)

When properly installed to the requirements of the PLC installation manual D4-USER-M, with informative annex DA-EMC-M, based on the requirements of the European EMC, Low Voltage and Machinery directives, plus the recommendations included in the installation standards IEC 1000-5-1 and IEC 1000-5-2.

Additional Information.

It is a requirement that for compliance with the Machinery Directive 89/392/EEC section 6.2.1. and Low Voltage Directive 73/23/EEC, that all PLC equipment must be housed in a standard lockable steel enclosure, and that both power input connections must be separately fused using 3 amp TT type fuses.

Technical document DA-EUI-M considers the requirements of European directives, with analysis of applicable standards, and includes detailed EMC test results applicable to all current directives and standards.

Signed:  Date: April 20, 1996.

Name: ML Donoghue (being the responsible person appointed by the manufacturer)

Position: Product Evaluation Manager, UK Testing Facility

Place: PLC-Direct UK Division, 22 High Street, Caterham, CR3 5UA. England.