

Declaration Of Conformity

This is to certify that the DL305 (SA/SR-20) PROGRAMMABLE LOGIC CONTROL SYSTEM, comprising:

Base/PSU 115/230vAC	D3-05B(E-02B), D3-08B(E-05B), D3-10B(E-04B) with D3-EXCBL(E-05J)
Base/PSU 24vDC	D3-05BDC(E-02B-C), D3-10BDC(E-04B-C)
CPU's	D3-330(SR-22), D3-330P(SA-22), D3-340 with D3-D4-BATT(RB-5)
Special CPU's	F3-RTU-1, F3-OMUX-1, F3-OMUX-2, F3-OMUX-3, F3-PMUX-1
CoProcessors	F3-AB128, F3-AB128-T, F3-AB128-R
DC input modules	D3-08ND2(E-01N), D3-16ND2-1(E-05N), D3-16ND2-2(E-35N), D3-16ND2F(E-05NH), F3-16ND3F
AC input modules	D3-08NA-1(E-20N), D3-08NA-2(E-22N), D3-16NA(E-25N)
AC/DC input modules	D3-08NE3(E-02N), D3-16NE3(E-55N)
DC transistor output modules	D3-04TD1(E-12T), D3-08TD1(E-10T), D3-08TD2(E-50T), D3-16TD1-1(E-15T), D3-16TD1-2(E-35T), D3-16TD2 (E-55T)
AC output modules	D3-04TAS(E-21T), F3-08TAS, D3-08TA-1(E-20T-1), D3-08TA-2(E-20T) F3-16TA-1, D3-16TA-2(E-25T)
Relay output modules	D3-08TR(E-01T), F3-08TRS-1, F3-08TRS-2, D3-16TR(E-05T)
Analogue input modules	F3-04ADS, D3-04AD(E-01AD), F3-08AD, F3-16AD, F3-08TEMP F3-08THM-n [note: n=J,K,T,R,S,E,1,2 versions]
Analogue output modules	D3-02DA(E-01DA), F3-04DA-1, F3-04DAS
Communications modules	D3-232-DCU(E-03DM), D3-422-DCU(E-02DM)
Special modules	D3-08SIM(E-01S), D3-HSC(E-01Z), D3-PWU(C-22P), D3-TCSU(F-10D)
Programming devices	D3-HP(R-23P),D3-HPP(A-23P) with cable D3-HPCBL(E-15PJ-1) and PC programming cables D3-DSCBL-1*, D3-DSCBL-2*
Communications adapter	FA-UNICON

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.
*D3-DSCBL-1/2	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)

Conforms with the requirements of Council Directive 73/23/EEC, known as the **Low Voltage Directive**, by the application of the following standards, for Installation Category 1, Pollution level 1.

EN61010-1-1:1993	Safety requirements for electrical equipment for measurement control and laboratory use.
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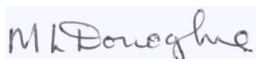
When properly installed to the PLC installation manual D3-USER-M, with note of the special requirements detailed in DA-EM-M based on the European EMC, Low Voltage and Machinery directives, plus the recommendations included in the installation standards IEC 1000-5-1, IEC 1000-5-2, and IEC 1131-4.

DL305 AC powered systems do not comply with the voltage requirements of section 4.3.1. of the Machinery Directive standard EN 60204-1, and should only be used for non-machinery applications. All DL205(SZ), DL405(SU) and DC powered DL305(SA/SR-20) systems can be used for the control of machinery.

It is a requirement that mains filter type Schaffner FN2080-1/06, or equivalent, is fitted in the AC power lead of each DL305(SA/SR-20) PLC system, and that all PLC equipment must be housed in a protective steel enclosure, sealed against the ingress of moisture and polluting gases, and which limits access by operators for safety reasons by lock and power breaker. If access is required by operators and untrained personnel by removal of covers or opening doors, for the adjustment of controls, replacement of consumable materials, or to remove or change parts and options, then the PLC equipment must be installed inside an internal cover or secondary enclosure.

It should be noted that safety requirements of the Machinery directive standard EN60204-1 state that all control circuits and PLC power must be via isolation transformers or an isolating power supply, and one side of all AC or DC control circuits must be earthed, which is the same as Installation Category 1 of standard EN61010-1.

Both power input connections to a PLC must be separately fused using 3 amp T type anti-surge fuses, and a transient suppresser fitted to limit PLC supply and control circuit over voltages to 1500v maximum.

	
Signed:
Date:	January 1 st , 1997.
Name:	ML Donoghue (being the responsible person appointed by the manufacturer)
Position:	Product Evaluation Manager, UK Testing Facility
Place:	Automation Direct.com UK Division, Project House, Morris Road, South Nutfield, Surrey RH1 5SA, England.