

# Declaration of conformity

This is to certify that the above plc equipment conforms to the requirements of the following directives. This statement is only valid when the additional requirements are fulfilled. These requirements are set out below.

## The product

### CPUs

D4 430  
D4-440  
D4-440DC-1  
D4-440DC-2  
D4-450  
D4-450DC-1  
D4-450DC-2  
D4-EX  
D4-EXDC  
D4-EXDC-2

### Bases

D4-04B  
D4-06B  
D4-08B  
D4-04B-1  
D4-06B-1  
D4-08B-1

### Co processors

F4-CP128-1  
F4-CP128-T  
F4-CP512

### Basic inputs

D4-08ND3S  
D4-16ND2  
D4-16ND2F  
D4-32ND3-1  
D4-32ND3-2  
D4-64ND2  
D4-08NA  
D4-16NA-1  
D4-16NA  
D4-16NE3  
F4-08NE3S

### Basic outputs

D4-08TD1  
F4-08TD1S  
D4-16TD1  
D4-16TD2  
D4-32TD1  
D4-32TD1-1  
D4-32TD2  
D4-64TD1  
D4-08TA  
D4-16TA  
D4-08TR  
F4-08TRS-1  
F4-08TRS-2  
D4-16TR

### Analogue IO

F4-04AD  
F4-04ADS  
F4-08AD  
F4-16AD-1  
F4-16AD-2  
D4-02DA  
F4-04DA  
F4-04DA-1  
F4-04DA-2  
F4-08DA-1  
F4-08DA-2  
F4-04DAS-1  
F4-04DAS-2  
F4-16DA-1  
F4-16DA-2  
F4-08RTD  
F4-08THM

### Speciality IO

D4-INT  
D4-HSC  
F4-16PID  
F4-4LTC  
F4-8MPI  
F4-CT  
D4-16SIM  
D4-HPP-1  
D4 CTRIO

### Communications

D4-RM  
D4-RS  
D4-RSDC  
D4-SM  
D4-SS-106  
D4-SS-16N  
D4-SS-16T  
D4-SS-88  
F4-SDS  
D4-DCM  
H4-ECOM  
H4-ECOM-F  
H4 EBC  
H4 EBC-F  
F4-SDN  
F4-MAS-MB  
F4-SLV-MB  
F4-SLV-TW  
FA-ISONET  
FA-UNICON

## Directives

Council directive 89/336/EEC, relating to electromagnetic compatibility by the application of the following standards.

Council directive 73/23/EEC, known as the low voltage directive, by the application of the following standards, and is suitable for installation category 1, pollution degree 2.

EN50081-2:1994 Generic emission standard. Industrial environments.

EN50082-2:1995 Generic immunity standard. Industrial environment.

EN61010-1:1993 Safety requirements for electrical equipment for measurement, control and laboratory use.

## Additional requirements

All AC powered 405 bases must be wired through an in line mains filter, of type Schaffner FN 2010-1-06, or similar design.

The equipment must be properly installed while adhering to the guidelines of the PLC user guide, the PLC installation manual DAEUM and the installation standards IEC 1000-5-1, IEC 1000-5-2 and IEC 1131-4.

It is a requirement that all plc equipment must be housed in a protective steel enclosure, which limits access to operators by a lock and power breaker and that all cables which exit the enclosure, do so through metallic trunking (conduit). If access is required by operators or untrained personnel, the PLC equipment must be installed inside an internal cover or secondary enclosure.

It should be noted that the safety requirements of the machinery directive standard EN60204-1 state that all plc power circuits must be wired through isolation transformers or isolating power supplies, and that one side of all ac or dc control circuits must be earthed.

Both power input connections to the plc equipment must be separately fused using 3 amp T type anti-surge fuses, and a transient suppresser fitted to limit supply over voltages.



**Signed**

.....

**Date**

3<sup>rd</sup> October 2001

**Name**

Mr A.D.S. Harbord (being the responsible person appointed by the manufacturer)

**Position**

Certifications manager, UK testing facility

**Location**

Automation Direct.com UK Certifications department, The Oast House, Ladycross Business Park, Hollow Lane, Dormansland, Surrey, England, RH7 6PB