

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

Manufacturer	Automation Direct.com
Country of manufacture	Japan
Model name or number	DO-05AA, DO-05DD, DO-05AD, DO-05DA, DO-05DR, DO-05AR, DO-05DD-D and DO-05DR-D

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.

EN50081-1:1992 Generic emission standard. Residential, commercial and light industry. *Note*

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

EN50082-1:1992 Generic immunity standard. Residential, commercial and light industry.

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

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

Note

DC powered versions

Due to slightly higher emissions radiated by the DC powered versions, the following stipulations must be met if the product is to be placed into domestic environments. However if the unit is to be placed into industrial environments, the below stipulations do not need to be met.

The PLC must be housed within a metallic enclosure. This metallic enclosure does not have to be mounted within an industrial cabinet as described below.

The comms cable and all I/O cables must pass through suitable ferrite beads, which must be mounted within the metallic enclosure. The I/O cables can be bundled together and passed through the same ferrite.

Suitable ferrite beads are detailed in the product manual.

The DC powered versions are only suitable for domestic environments when these conditions are met.


Additional requirements

The equipment must be properly installed while adhering to the guidelines of 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. 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	12th January 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