

## DECLARATION OF CONFORMITY



We declare under our sole responsibility that the following products,

### Universal Digital controller UDC3300

to which this declaration relates, are in conformity with the protection requirements of Council Directives: 89/336/EEC as amended by 92/31/EEC and 93/68/EEC on the harmonization of the laws of the Member States relating to Electromagnetic Compatibility, and 73/23/EEC as amended by 93/68/EEC on the harmonization of the laws of the Member States relating to equipment designed for use within certain voltage limits.

The models covered by this Declaration are listed in, and evidence of conformity is provided by Technical Files: 51309600-000 and 51309601-000

The following standards are referenced in the file:

- EN 50081-2-1993**, Electromagnetic Compatibility - Generic Emission Standard, Part 2: Industrial Environment.
- EN 50082-2-1995**, Electromagnetic Compatibility - Generic Immunity Standard, Part 2: Industrial Environment.
- EN 61010-1-1993**, Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use.  
Part 1: General Requirements

Manufacturer: **Honeywell IAC**  
525 East Market Street  
York, PA 17405 USA

The authorized signatory to this declaration, on behalf of the manufacturer, and the Responsible Person based within the EU, is identified below.

**Honeywell IAC Europe**  
Avenue Bourgetlaan, 1  
B-1140 Brussels, Belgium

A handwritten signature in black ink, appearing to read 'W.L. Williams', is written over a horizontal line.

W.L. Williams  
V.P. Industrial Automation & Controls

Issue Date: 13-11 19 97

## UDC 3300 Universal Digital Controller CE Conformity Supplement

51309602-000

Revision A

1 April 1997

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**CE CONFORMITY:** This product is in conformity with the protection requirements of the following European Council Directives: **89/336/EEC**, the EMC Directive, and **73/23/EEC**, the Low Voltage Directive. Conformity of this product with any other "CE Mark" Directive(s) shall not be assumed.

Directive/Standard	PC	Conformity	Notes
<b>SAFETY: 73/23/EEC</b> , Low Voltage Directive		EN 61010-1, Safety, Measurement & Control Equipment	
<b>ELECTROMAGNETIC COMPATIBILITY: 89/336/EEC</b> , EMC Directive			
<b>EMISSIONS: EN 50081-2-1993</b> , Generic Emissions, Industrial			
<b>EN 55011-1991</b> , Group 1, Class A, Industrial Control Equipment, 150 kHz-1000 MHz		30 - 230 MHz, 30 dB $\mu$ V/m at 30m, quasi-peak 230 - 1000 MHz, 37 dB $\mu$ V/m at 30m, quasi-peak 0.15 - 0.5 MHz, 79dB $\mu$ V, conducted, quasi-peak 0.5 - 30 MHz, 73dB $\mu$ V, conducted, quasi-peak	1
<b>IMMUNITY: EN 50082-2-1995</b> , Generic Immunity, Industrial. Performance Criteria (PC) A or B as applicable.		<b>PERFORMANCE:</b> Unless otherwise noted, the performance of this product, at the specified levels of electromagnetic interference, is within the specifications for "Performance Under Rated Conditions."	1
<b>EN 61000-4-2-1995</b> , (IEC 1000-4-2-1995) ESD, Electrostatic Discharge	B B	4 kV Contact 8 kV Air	
<b>ENV 50140-1993</b> (IEC 1000-4-3-1995) Radiated RF Fields, 80 -1000 MHz	A	*10 V/m	1
<b>ENV 50204-1995</b> , Radiated RF Fields, 900 MHz	A	10 V/m	
<b>EN 61000-4-4-1995</b> (IEC 1000-4-4-1995) Electrical Fast Transients/Burst	B B B	1 kV Signal, 2 kV Process Measurement & Control, 2 kV Mains	1
<b>ENV 50141-1993</b> Conducted RF Fields, 150 kHz - 80 MHz	A	**10 V	1

\* Except for the ITU broadcast bands: 87-108 MHz, 174-230 MHz, and 470-790 MHz where the level shall be 3 V/m.

\*\* Except for the ITU broadcast bands: 47-68 MHz where the level shall be 3 V.

### NOTES:

PC = Performance Criteria

1. Shielded twisted pair cables required for all Analog I/O, Process Variable, RTD, Thermocouple, dc millivolt, low level signal, 4-20 mA, Digital I/O and computer interface circuits. Unit mounted in grounded enclosure. Refer to Severe Electrical Noise Environments Appendix in the Product Manual.

**Emissions:** This equipment has been tested and found to comply with the limits for a Class A, Group 1 digital device pursuant to EN 50011 as required by EN 50081-2.

**Immunity:** This equipment has been tested and found to comply with the limits as specified in the above table.

**Performance Criteria:** Immunity includes the tests and severity levels specified in EN 50082-2. The following is a functional description and definition of product performance, during or as a consequence of the EMC testing:

**Performance Criterion A (ENV 50140/IEC 1000-4-3 and ENV 50141, RF Immunity):** The apparatus shall continue to operate as intended. No degradation of performance or loss of function is allowed below specified tolerances, when the apparatus is used as intended. If the minimum performance level is not specified, then either of these may be derived from the product literature and what the user may reasonably expect from the apparatus if used as intended.

**Performance Criterion B (EN 61000-4-2, EN 61000-4-4, ESD & Transients):** The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below specified tolerances, when the apparatus is used as intended. During the test, degradation of performance is however allowed. No change of actual operating state or stored data is allowed. If the minimum performance level is not specified, then either of these may be derived from the product literature and what the user may reasonably expect from the apparatus if used as intended.

**Electrostatic Discharge (ESD):** This equipment has been tested and found to comply with Class 3 (8 kV air discharge) of EN 61000-4-2-1995 (IEC 1000-4-2-1995), Electromagnetic Compatibility for Industrial-Process Measurement and Control Equipment, Part 2 : Electrostatic Discharge Requirements, for direct application of the discharge to accessible portions of the equipment.

**Electrical Fast Transients:** This equipment has been tested and found to comply with Level 3, 2 kV applied to the supply lines, I/O and data lines, of EN 61000-4-4-1995 (IEC 1000-4-4-1995), Electromagnetic Compatibility for Industrial-Process Measurement and Control Equipment, Part 4: Electrical Fast Transient/Burst Requirements.

**Conducted RF Immunity:** This equipment has been tested and found to comply with Level 3, 10 V per ENV 50141-1993, Electromagnetic Compatibility - Basic Immunity Standard - Conducted Disturbances Induced by Radio-Frequency Fields - Immunity Test (150 kHz to 80 MHz).

**Radiated RF Immunity:** This equipment has been tested and found to comply with Class 3, 10 V/m per ENV 50140-1993, Radiated Radio Frequency Electromagnetic Field - Immunity Test (80 to 1000 MHz), and ENV 50204, Radiated Electromagnetic Field from Digital Radio Telephones - Immunity Test (900 MHz).