

Certificate Number: HON11ATEX0100X

Issue Number: Revision A

## Certificate of Conformity



European Community Declaration of Conformity for Group II Category 3 G equipment in accordance with Directive 94/9/EC. This Certificate of Conformity applies to the following equipment:

### **RC500 Remote Terminal Unit and I/O**

This apparatus fulfills all of the requirements for Group II, Category 3 equipment in accordance with Directive 94/9/EC. The design conforms to:

- IEC 60079-15:2005 Electrical apparatus for explosive gas atmospheres – Part 15: Construction, test and marking of type of protection “n” electrical apparatus
- IEC 60079-0:2007 Explosive atmospheres – Part 0: Equipment – General Requirements

#### **Marking:**

The required marking of the apparatus is shall include the following:



#### **Ambient Temperature:**

The ambient temperature limit for the apparatus is detailed per the attached list

#### **Temperature Classification:**

The explosive atmosphere temperature classification for the apparatus is detailed per the attached list

#### **Special Conditions for Use:**

1. These products are operator interface units to be used within control panels. The enclosure shall be suitable for the location. A minimum IP54 rated enclosure is required unless an equivalent degree of protection is afforded by the location.
2. Before commissioning of this equipment, it must be verified that the power supply voltage cannot exceed the parameters as marked on each product label.
3. The electronic assemblies covered by this declaration are non-repairable items and if faulty must be replaced. The electrical power supply must be switched off before any replacement and during any time that the wiring terminations are being connected or disconnected.
4. Hot swapping of these products is not allowed within potentially explosive atmospheres.

## RC500 Remote Terminal Unit and I/O

Model	Description	Rating
RC-SCONTRL	RTU Ports: 5 Ethernet , 2 RS-232, 1 RS-485; Memory: Datalogging 2M, Flash 128M, DRAM 64M	II 3G EX nA IIC T4 -20°C ≤Tamb ≤65°C
RC-VCONTRL	RTU Ports: 1 Ethernet , 3 RS-232, 1 RS-485; Memory: Datalogging 512K, Flash 16M, DRAM 16M	II 3G EX nA IIC T4 -20°C ≤Tamb ≤65°C
RC-MVACONTRL	RTU Ports: 1 Ethernet , 2 RS-232, 2 RS-485; Memory: Datalogging 512K, Flash 64M, DRAM 32M On-board IO: DI-12,DO-4,AI-8,AO-2; In-built DNP3 & AGA	II 3G EX nA IIC T4 -20°C ≤Tamb ≤65°C
RC-MVBCONTRL	RTU Ports: 1 Ethernet , 2 RS-232, 1 RS-485; Memory: Datalogging 512K, Flash 64M, DRAM 32M On-board IO: DI-12,DO-8,AI-6; In-built DNP3 & AGA	II 3G EX nA IIC T4 -20°C ≤Tamb ≤65°C
RC-EIO2-MIXT1-D	Combination I/O card with one isolated input counter, 24DI, 8AI, 8DO	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-MIXT2-D	Combination I/O card with two analog outputs, 24DI,8AI,8DO,2AO	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-32DI-D	Digital Input Card: 32 inputs (10-30 VDC) including 16 multifunction counters, 32DI	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-16DI-D	Digital Input Card: 16 individually isolated 10-30 VAC/VDC with counters, 16DI	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-32DO-D	Digital Output Card: High density discrete outputs (0.5 Amp each, 8 Amp total),32DO	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-16DO-D	Digital Output Card: Individually isolated 1A outputs with self-resetting fuses, 16DO	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-32AIM-D	Analog Input Card: High density 16 bit 4-20 mA inputs with self-resetting fuses, 32AI	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-32AIV-D	Analog Input Card: Voltage inputs, 32AI	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-16AIM-D	Analog Input Card: 16 channels 4-20 mA inputs with self-resetting fuses, 16AI	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-8AOM-D	Analog Output Card: 4-20 mA analog outputs, 8AO	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C
RC-EIO2-AIAO-D	Analog Input Card: 16 4-20 mA analog inputs and 8 4-20 mA outputs, 16AI, 8AO	II 3G EX nA IIC T4 -40°C ≤Tamb ≤75°C



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