IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx ITA 08.0003X	Issue No: 0	Certificate history: Issue No. 0 (2008-11-24)
Status:	**Current**	Page 1 of 3	
Date of Issue:	**2008-11-24**		
Applicant:	**AmpControl CSM Pty Ltd** 7 Billbrooke CL, Cameron Park, New South Wales, 2285 **Australia**		
Electrical Apparatus:	**OMA, Earth Fault Lockout/Loss of Vacuum Relay**		
Optional accessory:			
Type of Protection:	**[Ex ib] ia I**		
Marking:	[Ex ib] ia I IECEx ITA 08.0003X		

Approved for issue on behalf of the IECEx Certification Body:	David Gray
Position:	Certification Authority
Signature: *(for printed version)*	
Date:	

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

International Testing and Certification Services Pty. Ltd
4 - 6 Second Street
Bowden SA 5007
Australia

ITACS®

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Manufacturer: **AmpControl CSM Pty Ltd**
7 Billbrooke CL,
Cameron Park, New South Wales, 2285
Australia

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition:4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 2006 Edition:5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

AU/ITA/ExTR08.0020/00

Quality Assessment Report:

AU/TSA/QAR06.0007/02

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The OMA Earth Fault Lockout/Loss of Vacuum Relay System comprises an OMA Earth Fault Lockout/Loss of Vacuum Relay and CCMA Modules.

The OMA Earth Fault Lockout/Loss of Vacuum Relay is designed to detect a loss of vacuum on an outlet contactor and the resistance from any of three phases to earth is also monitored to detect an earth fault on the power cables. The apparatus comprises of three printed wiring boards upon which are mounted electronic components including a battery and series current limited resistor which are protected under the intrinsic safety protection concept. The apparatus is intended to be located either in a non-hazardous area or within a suitably certified Group I flameproof enclosure. The circuits that are connected to the hazardous area from the apparatus must be made via the CCMA Modules.

The CCMA Modules (110V, 415V or 1000V) comprise single sided printed wiring board upon which are mounted electronic components. External connects are made via integral terminals located on the top of the CCMA Modules.

The intrinsic safety protection Ex ia applies only to the battery circuit and when the apparatus is disconnected. At all other times when energised this must be installed in an Ex d enclosure

REFER TO ANNEX ATTACHED TO THIS CERTIFICATE, available at the IECEx Certificate Website http://iecex.iec.ch/ for additioanl information and list of Certification Drawings.

CONDITIONS OF CERTIFICATION: YES as shown below:

REFER TO ANNEX ATTACHED TO THIS CERTIFICATE, available at the IECEx Certificate Website http://iecex.iec.ch/ for details of Conditions of Certification.

Annex:

ITA_08_0003X attachment.pdf