

Lift Directive Safety Components Type Examination

This is to certify that:

Atwell International Ltd
Ball Mill Top Business Park
Hallow
WR2 6PD
United Kingdom

Holds Certificate Number:

CE 793061

In respect of:

Unintended Car Movement Protection (UCMP) – Models: UMD-SRB02 (inclusive of optional Speed Switch (Part No. AIO-001)) and VG AiO Speed Watcher – Subsystems Detection and Activation only.

On the basis of our examination under the requirements of the Directive 2014/33/EU Annex IV:A of the European Parliament and Council relating to Lifts and Safety Components of Lifts as recorded in the BSI Report. Any modification to the design of this product will invalidate this EU certificate and the Notified Body, number 2797, must be informed without delay.

For and on behalf of BSI, a Notified
Body for the above Directive
(Notified Body Number 2797):



Denelise L'Ecluse, Managing Director Assurance - Continental
Europe

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This EU Type Examination certificate is only valid when the protection against Unintended Car Movement Protection (UCMP) – Models: UMD-SRB02 (inclusive of optional Speed Switch (Part No. AIO-001)) and VG AiO Speed Watcher – Subsystems Detection and Activation only, is installed to operate under the following conditions:

Model	UMD - SRB02 / VG AiO Speed Watcher
Safety Circuit Designation (Type) ⁽¹⁾ :	UMD - SRB02 / VG AiO Speed Watcher
Maximum rated speed ⁽²⁾ :	Designed for maximum 7.5m/s
Environmental working conditions:	-5°C up to 50°C
Relative Humidity:	From 20% up to 70% RH (relative humidity)
Operating Voltage on PCB:	PCB powered from an external DC source 12V nominal, range from 10V to 15V, full load current is a maximum of 2Amps at 10V
UCMP controller circuit drawings:	UMD-SRB02 PCB 55 / VG AiO Speed Watcher PCB 96
Response time of detector (ms):	Up to 1.20
Response time of control circuit (ms):	Up to 1.0
Test Speeds (m/s) ⁽³⁾ :	0.15, 3.6 and 6.0
Optional Detection/Speed device:	Speed Switch Part No. SS PCB100
Voltage / Current:	The AIO / Speed PCB is powered from an external DC source 12V nominal, range from 10.5V to 15V, full load current is a maximum of 4Amps at 12V
The detection device is the overspeed monitoring of the Ascending Car Overspeed Protection (ACOP) and means of the tripping of the safety gear.	
Rated Speeds:	0.10 up to 7.75 m/s
Tripping Speeds (Minimum)	0.115 m/s
Tripping Speeds (Maximum)	9.720 m/s
Harmonised Standard(s):	BS EN 81-20:2020 - Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods Part 20: Passenger and goods passenger lifts. BS EN 81-50:2020 - Safety rules for the construction and installation of lifts - Examinations and tests Part 50: Design rules, calculations, examinations and tests of lift components.

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To check its validity telephone +31 20 3460780.

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Manufacturing site(s):	Coomber Electronics Ltd. Unit 13 Ball Mill Top Business Park Hallow Worcester WR2 6PD
NOTE (1): The UCMP system covers detection and activation only. The optional detection/ speed device Speed Switch Part No. AIO-001 can be used as detection and speed monitoring device to trip the safety gear.	
NOTE (2): The maximum speed attainable would normally be in the magnitude of 2m/s. This is based on the speed attained at start of deceleration e.g. being the result of a "natural" acceleration of 1.5 m/s ² through the response times of the Unintended car movement protection device, control circuit and stopping elements.	
NOTE (3) Test speed(s): a speed stated by the manufacturer, used by the test laboratory to establish a distance moved by the lift (verification distance) so that the unintended movement system is verified for correct operation during final inspection at site. This could be the inspection speed or any other speed determined by the manufacturer and agreed by the laboratory.	
Type testing commenced on the 7 January 2022 and subsequent update 11 September 2023 undertaken by BSI, as detailed in technical documentation review under BSI Report 3552857 dated 4 November 2022 and 3951183 date 19 April 2024.	

Conditions of validity
It must be ensured that when the lift design is configured if an error/ fault is detected in the detection subsystem, the lift system is brought to a halt and the next normal operation is prevented. Upon detection of the fault, the next normal start operation of the lift was prevented. The activation system requires the intervention of a competent person to restore normal operation.
Maintenance of the UCMP subsystem should be conducted as instructed by the manufacturer to ensure compliance with the harmonized standard.
Inspection criteria should be followed as instructed by the manufacturer and as per procedure to ensure that the correct verification of movement if determined for the system mass and/ or lift configuration.

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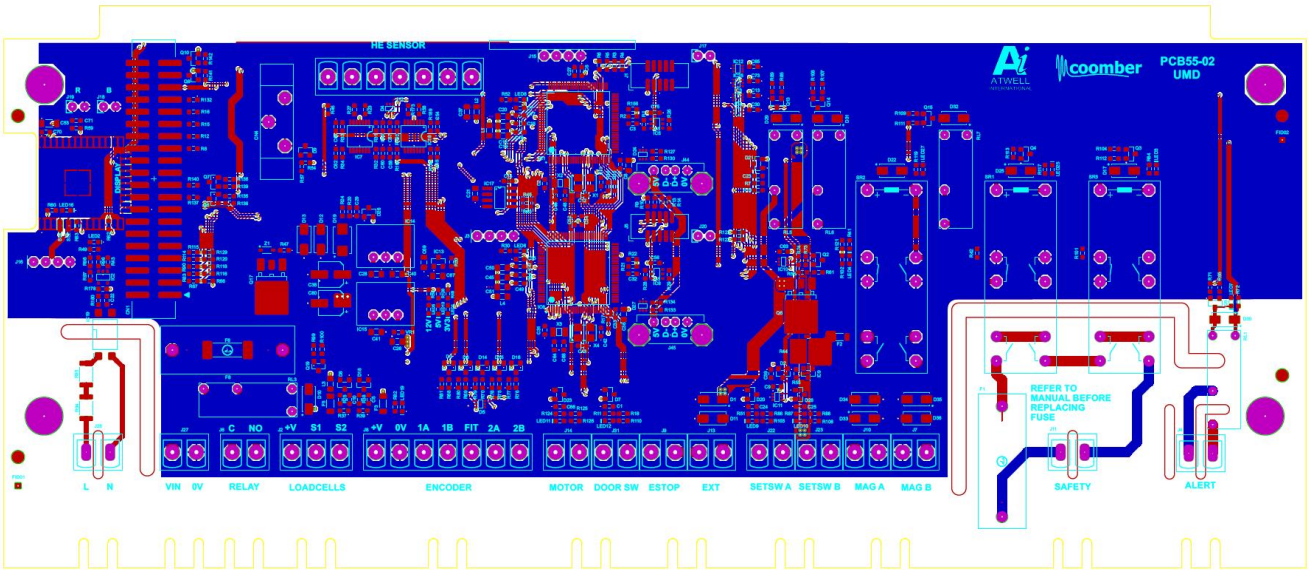
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APPENDIX (1)- Protection against Unintended Car Movement Protection (UCMP) – Models: UMD-SRB02 (inclusive of optional Speed Switch (Part No. AIO-001)) and VG AiO Speed Watcher – Subsystems Detection and Activation only.



Note: Any modifications to the components require prior approval is required from BSI.
Illustration/table of PCB shown are examples only and actual PCB may differ in appearances only.

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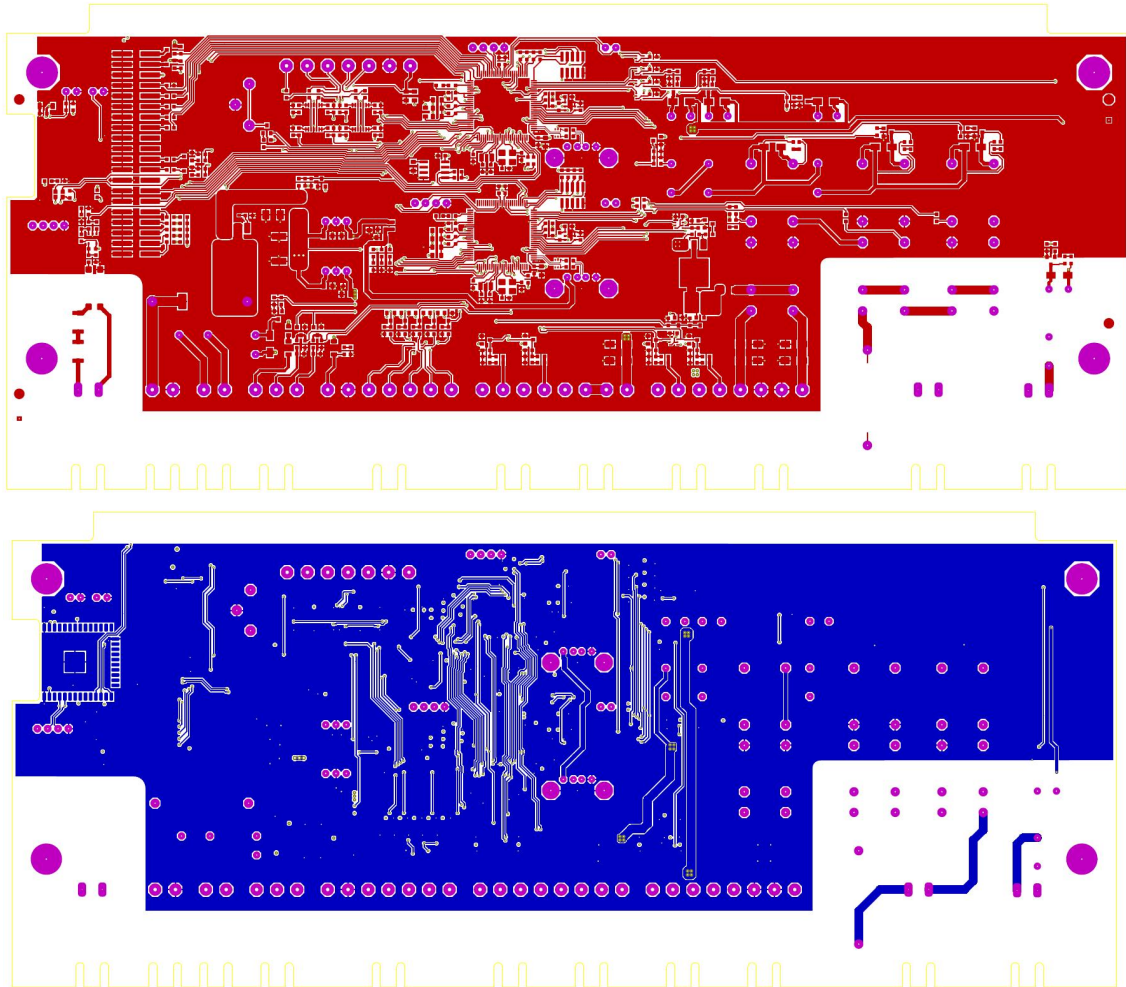
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APPENDIX (1)- Protection against unintended car movement (UCMP) – model UMD - SRB02 - Subsystems - Detection and activation with optional Speed Switch Part No. AIO-001 - (Layers)



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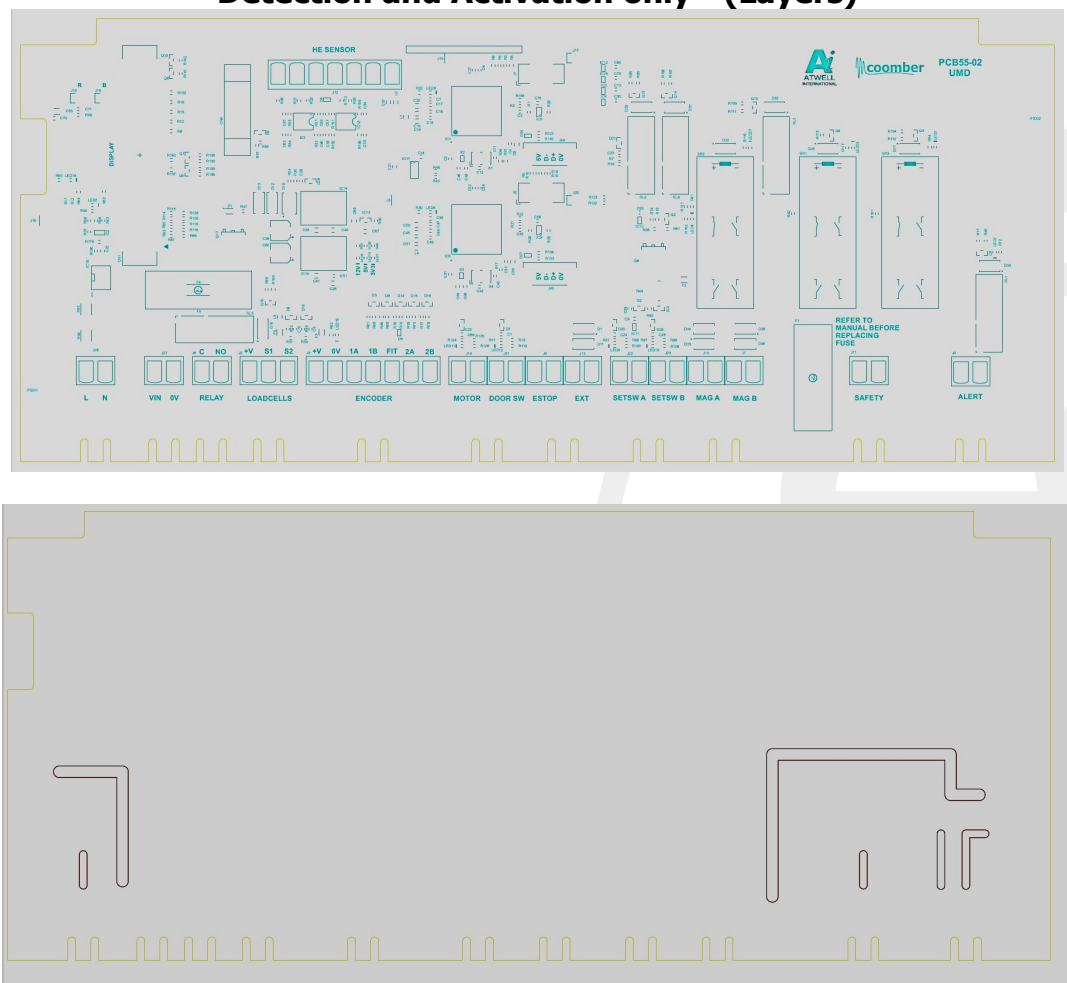
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**APPENDIX (1)- Protection against Unintended Car Movement Protection (UCMP) –
Models: UMD-SRB02 (inclusive of optional Speed Switch (Part No. AIO-001)) and VG
AiO Speed Watcher – Subsystems
Detection and Activation only - (Layers)**



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Certificate Administration Details		
Technical documentation reference:		L-297 - Uncontrolled movement Detection and electronic brake release -Technical Construction File
Certificate Amendment Record		
Issue Date	Comments of amendment	BSI Project Number
30 May 2024	As detailed in BSI Report 3951183 dated 19 April 2024. Transferred from UKCA 758990 Certificate and the addition of the optional Speed Switch Part No. AIO-001 and references made to the VG AiO Speed Watcher.	2797:23:3951185
Note: The Certificate holder is responsible for ensuring that the issuing body is advised of changes to any aspect of the overall processes utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.		
The safety component must be accompanied by an EU Declaration of Conformity and marked with CE Mark followed by the Notified Body number who undertake the surveillance visit.		

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