

# ASTRA DOOR CONTROLS AST4001 DECLARATION OF PERFORMANCE

Number:

AST8005

Unique identification code of the product type:

AST4001 (BFS, CFS, SFS, DBS, ABS, BZS, CPS, BFR, CFR, SFR, DBR, ABR, BZR, CPR) concealed door control.

Type, batch or serial number or any other element allowing identification of the product:

AST4001 series concealed door control.

Intended use or uses of the product, in accordance with the applicable specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturers fitting instructions.

Name, registered trade name or registered trade mark and contact address of the manufacturer:

Astra Door Controls, Astra Business Centre, Roman Way, Preston PR2 5AP, United Kingdom.

Declared Performance:

General	AST4001 Concealed Door Control
Application	Concealed in the door blade.
Durability	500,000 test cycles.
Closing moment	Power size 1.
Opening moment	Power size 1.
Efficiency	more than 70%.
Closing time:	After 5,000 and 500,000 test cycles, the closing time from an open angle of 90° was capable of adjustment to 3 seconds or less, and 20 seconds or more. After 500,000 test cycles, the closing time set at 5,000 test cycles did not increase by more than 100% or decrease by more than 30%.
Angles of operation	Up to 105°.
Temperature dependence	-15°C to +40°C.
Latch control	Effective over maximum range of 15° from closed position.

Fire/smoke doors	EN1634-1.
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Performance Criteria	
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Durability	Pass – 500,000 test cycles.
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Corrosion	Grade 3.
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Corrosion	Pass – after the salt spray test, the closing moment of the door closer was not less than 80% of that measured prior to the test.
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Dangerous substances	The materials in the product(s) do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.
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Signed for and behalf of the manufacturer by:

Date of issue 30<sup>th</sup> August 2016

Astra Door Controls Limited

Astra Business Centre, Roman Way, Preston PR2 5AP, United Kingdom