



A brand of
MAICO

EC Declaration of Performance for LDN (Lobby Damper Natural Vent)



DoP CERTIFICATE NUMBER INC. REVISION NO	CE DoP-LDN-04
MANUFACTURER	BSB Engineering Services Ltd, 56 Trinity Trade Centre, Mill Way, Sittingbourne, Kent, ME10 2PD, UK.
INTENDED USE	To be used in conjunction with walls/partitions to be used in smoke control systems in multi and single compartment applications
HARMONISED STANDARD	EN 12101-8:2011 (Ventilation for Buildings - Smoke Control Dampers).
SYSTEM OF ASSESSMENT & VERIFICATION OF CONSTANCY OF PERFORMANCE	System 1
CERTIFICATE OF CONSTANCY OF PERFORMANCE	Applus: 0370-CPR-6579 BREGI: 2831-CPR-P0018
NOTIFIED BODY & CERTIFICATE	Applus+ 0370 BREGI 2831 Who have performed the determination of the product type on the basis of type testing and initial inspection of the manufacturing plant and of factory production control including continuous surveillance, under system 1.
CONSTRUCTION PRODUCTS REGULATION (CPR) THAT APPLIES	Regulation (EU): no. 305/2011.
MATERIALS: CASE, BLADES & GRILLE	Galvanised steel case, galvanised steel blades, aluminium grille.
DECLARED PERFORMANCE	
NOMINAL ACTIVATION CONDITIONS/SENSITIVITY: 4.2.1.3	Pass
RESPONSE DELAY (RESPONSE TIME): CLOSURE TIME 4.2.1.4	Pass
OPERATIONAL RELIABILITY: CYCLING 4.3.2.2	10,000 Cycles (Loaded)
INTEGRITY (E) 4.1.1, a)	See page 2 - Levels and/or Classes
INSULATION (I) 4.1.1, b)	NPD*
LEAKAGE (S) 4.1.1, c)	See page 2 - Levels and/or Classes
MECHANICAL STABILITY (under E) 4.1.1, d)	See page 2 - Levels and/or Classes
MAINTENANCE OF THE CROSS SECTION (under E) 4.1.1, e)	See page 2 - Levels and/or Classes
HIGH OPERATIONAL TEMPERATURE 4.1.1, f)	NA*
DURABILITY OF RESPONSE DELAY 4.4.2.1	Pass
DURABILITY OF OPERATIONAL RELIABILITY 4.4.2.2	10,000 Cycles (Loaded)

* NPD = No Performance Determined; NA = Not Applicable



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Fire resistance according to EN 1366-10-2011 / 2011+A1:2017. Classifications according to EN 13501-4:2016.
Classification Report 22-32305647 and 18/17909-1701-1-M1.

TYPE	INSTALLATION DRAWING	SUPPORTING CONSTRUCTION	SINGLE/MULTIPLE	MIN/MAX SIZE OF SINGLE SECTION (W mm X H mm)	LEVELS AND/OR CLASSES
LDN	LDN M3	Drywall Partition	Single	300 x 1000 - 1100 x 2300	E 120 (Vew i↔o) S500 C10,000 AA multi E 120 (Vew i→o) S1000 C10,000 AA multi
LDN	LDN M4	Masonry Wall	Single	300 x 1000 - 1100 x 2300	E 120 (Vew i↔o) S500 C10,000 AA multi E 120 (Vew i→o) S1000 C10,000 AA multi

The performance of the product identified above is in conformity with the set of declared performance/s.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed at the premises of, and on behalf of BSB Engineering Services Ltd.



Mike Backham
Technical Director
Date: 27th June 2023

