

Tested AOV Solutions for Smoke Ventilation

Tested Solutions and Standard Details



The information in this document is correct at the time of issue, however is subject to change.

Tested AOV Solutions



Russell Timber Technology and SE Controls have collaborated together to provide the Construction market with a compliant NSHEV AOV to meet the requirements of EN12101-2:2003.

The Construction market cannot accept the use of a standard window and 'off the shelf' actuator as an AOV as both must be tested together and manufactured under a System 1 Factory Production Control process to comply. Utilising this tested solution and process detailed below will remove risk of non-compliance in life safety systems.

Compliance to EN12101-2:2003 for smoke vents is mandated by law in the Construction Products Regulation which has been in force since 2013.

The following process has been put in place to support you in placing that product onto the market compliantly.

SE Controls Certification Process

STAGE 1 Consult

Consult SE Controls:

- Ensure the profile that has been selected is within scope of the tested solution,
- free area performance calculations and to
- select the appropriate tested actuator.

STAGE 2 Purchase

Purchase your EN12101-2:2003 compliant AOV from Russell Timber Technology.

STAGE 3 Installation of Actuators

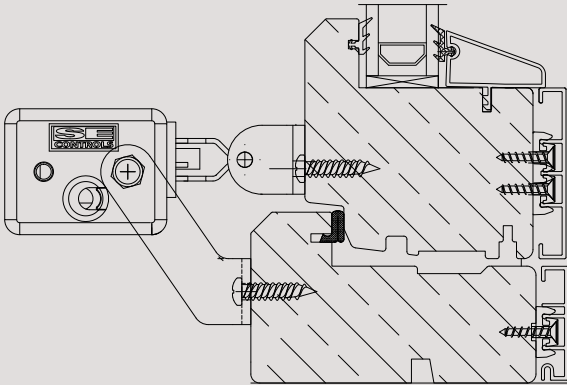
Installation of actuators (during fabrication or on site) must be carried out under a System 1 FPC process as per the prescriptive detail. Apply certification mark.

STAGE 4 Certify

SE Controls produce a Declaration of Performance (DoP) to EN12101-2:2003 in accordance with BS 7346-8 and the CPR.

UK UK C E
CA NI

Russell Timber Balcony Door EN12101-2 Tested Profiles and Parameters



SYSTEM NAME	SERIES 40 BRACKET KIT NO.
BALCONY DOOR OPENING OUTWARD	AKS16150002

System Parameters

SYSTEM NAME	MAX OUTER FRAME WIDTH	MAX OUTER FRAME HEIGHT
SIDE HUNG OPEN OUT ON BUTT HINGE	1090MM	2488MM

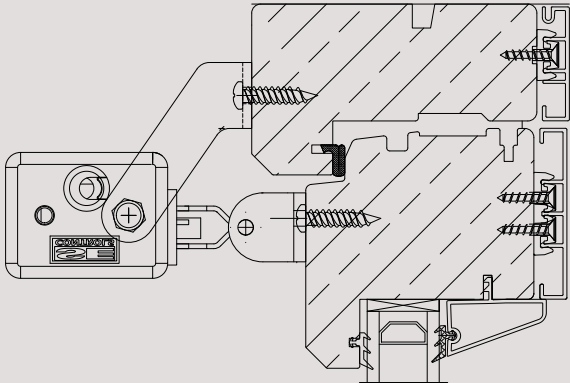
Please contact Russell Timber for advice on maximum weight parameters.

Max Certifiable Weight = 120KG, Max Certifiable Perimeter = 7.1 Metres

Please note this profile is available both with and without aluminium cladding. Please contact Russell Timber to discuss your project requirements.



Russell Timber Bottom Hinge Open Out EN12101-2 Tested Profiles and Parameters



SYSTEM NAME	SERIES 40 BRACKET KIT NO.
BOTTOM HINGE OPEN OUT	AKS16150002

System Parameters

SYSTEM NAME	MAX OUTER FRAME WIDTH	MAX OUTER FRAME HEIGHT
BOTTOM HUNG OPEN OUT ON BUTT HINGE	2488MM	2488MM

Please contact Russell Timber for advice on maximum weight parameters.

Max Certifiable Weight = 120KG, Max Certifiable Perimeter = 7.1 Metres

Please note this profile is available both with and without aluminium cladding. Please contact Russell Timber to discuss your project requirements.



Notes

The profile parameters outlined within this document are aligned to Russell Timber Technology tested performance parameters. If your vents are outside of these sizes please ensure you obtain written acceptance from Russell Timber Technology for the oversized vents. Without this we cannot produce a Declaration of Performance.

The actuators alone will not act as 'window restrictors'. SE Controls recommend the installation of suitable restrictors relative to the orientation of the vent, so that stability is provided should the actuator be removed, or the vent is subjected to high external forces whilst in the open position. Contact our team for further advice.

Façade Engineering Services

CAD DETAILS

PROJECT DESIGN

CERTIFICATION

QUOTATIONS

FREE AREA CALCULATIONS

REGULATIONS ADVICE

PRODUCT SELECTION

SPECIFICATION

To contact a member of the Façade support team [click here](#).

For further information [click here](#) for the Smoke Control Association's guidance document for EN12101-2:2003 Automatic Opening Smoke Vents.

