

Tested AOV Solutions for Smoke Ventilation

Tested Solutions and Standard Details



DOVISTA[®]
windows and doors

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

Tested AOV Solutions



Dovista 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 from the fabricator 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 Dovista

STAGE 3 Installation of Actuators

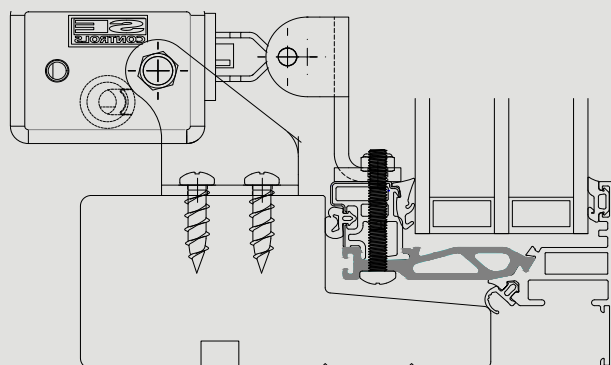
Installation of actuators (on site) must be carried out by an approved installer under a System 1 FPC process as per the prescriptive detail. Apply certification mark.

STAGE 4 Certify

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



Dovista V200E EN12101-2 Tested Profiles and Parameters



FRAME REF NO.	OPENING VENT REF NO.	SERIES 40 BRACKET KIT NO.	SERIES 40 TRUNNION BRACKET NO.
114MM MAINFRAME	48MM SASH	AKS15311000	AXS15301001
139MM MAINFRAME	48MM SASH	AKS15311000	AXS15301001

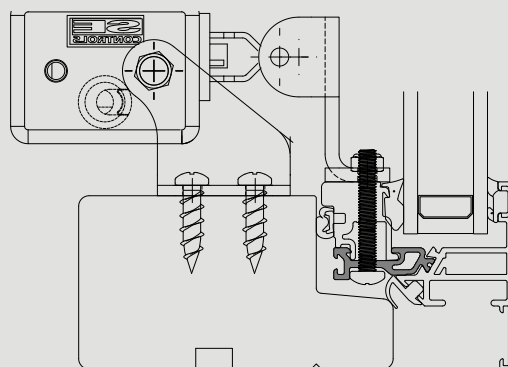
System Parameters

SYSTEM NAME	MAX OUTER FRAME WIDTH	MAX OUTER FRAME HEIGHT	MAX SASH WEIGHT
V200e TOP HUNG WITH CONCEALED HINGES	1800MM	1000MM	45KG
V200e SIDE HUNG WITH CONCEALED HINGES	1100MM	2475MM	60KG
V200e BOTTOM HUNG WITH CONCEALED HINGES	1800MM	1000MM	45KG

Max Certifiable Weight = 60KG, Max Certifiable Perimeter = 7.1 Metres



Dovista V200 EN12101-2 Tested Profiles and Parameters



FRAME REF NO.	OPENING VENT REF NO.	SERIES 40 BRACKET KIT NO.	SERIES 40 TRUNNION BRACKET NO.
115MM MAINFRAME	24MM SASH	AKS15311000	AXS15301001
90MM MAINFRAME	24MM SASH	AKS15311000	AXS15301001

System Parameters

SYSTEM NAME	MAX OUTER FRAME WIDTH	MAX OUTER FRAME HEIGHT	MAX SASH WEIGHT
V200i TOP HUNG WITH CONCEALED HINGES	1800MM	1000MM	45KG
V200i SIDE HUNG WITH CONCEALED HINGES	1100MM	2475MM	60KG
V200i BOTTOM HUNG WITH CONCEALED HINGES	1800MM	1000MM	45KG

Max Certifiable Weight = 60KG, Max Certifiable Perimeter = 7.1 Metres



Notes

The profile parameters outlined within this document are aligned to Dovista tested performance parameters. If your vents are outside of these sizes please ensure you obtain written acceptance from Dovista 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.

