

# EN Stairwell

## Smoke Exhaust Ventilator



### Data Sheet

The EN Stairwell ventilator is a low profile, roof or wall mounted louvred natural ventilator which is designed to provide heat and smoke exhaust ventilation in protected stairwells and corridors within residential apartments, hotels, shops and offices.

It is principally applied to protect means of escape for occupants, who would otherwise remain trapped inside the premises, and to create a safe means of access for fire fighters.

A range of sizes are available to meet the 1.0 and 1.5m<sup>2</sup> minimum free area requirements.

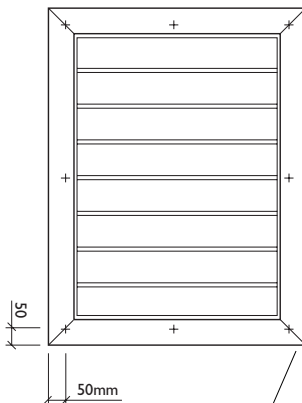
The example illustrated has a free area of 1.07m<sup>2</sup>.

### CERTIFICATION

The EN Stairwell ventilator can be used for applications in BS 5588 Parts 1,5 & 6. It failsafes to open on loss of power, and is CE marked in compliance with EN 12101-2.

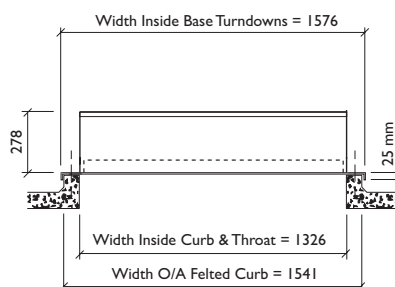
### OPTIONAL EXTRAS

- Paint finish to any RAL colour
- Burglar guard
- Break glass switch
- Battery back-up unit
- Bird guard, Insect guard
- Fireman's override switch
- Alternative base details

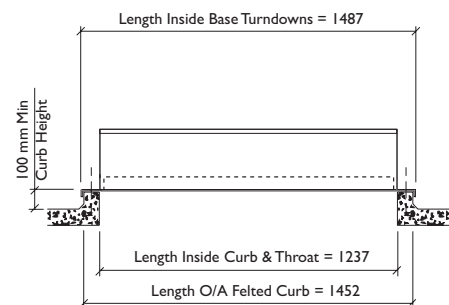


Recommended fixing points

### Widths



### Lengths



**CONTROLS**

Stairwell ventilators should be controlled by clearly visible manual switches at the top of the stairwell and close to the final exit from the stairwell. The optional break glass switch or firemans override switch are recommended for this.

**SPECIFICATION**

**Product Reference**

Colt EN Stairwell Ventilator

**Description**

Clear opening louvred natural extract ventilator, suitable for installation at any angle from vertical to horizontal. CE marked in compliance with EN 12101-2. The ventilator shall have an open area of at least 1.0m<sup>2</sup> in accordance with the requirements of Approved Document B to the Building Regulations and BS 5588.

**Operation**

The ventilator shall open on loss of power, either 240V ac or 24V dc, and shall close automatically when power is reinstated. Operated by a manual break glass switch or fireman's override switch. Switches shall be located at the head of the stairs and at the final exit from the stairs. To avoid the ventilator opening in the case of a power failure, a maintained supply or a battery backup system capable of keeping the ventilator closed for at least 30 minutes is required. The mains supply (by others) shall terminate [select] in the protected stairwell / close to the battery backup panel.

**Material**

All principal components manufactured from corrosion resistant aluminium alloy grade 3005 in accordance with EN 573-3, with stainless steel fixings.

**Louvre blades**

[Select] Single skin aluminium/ Insulated double skin aluminium / Twin wall opaque or clear polycarbonate / Single skin laminated or toughened glass. Fitted with low-loss seals to minimise air leakage when closed.

**Controls**

24v dc or 230v ac OPV addressable electronic, failsafe open. Thermal release at the ventilator for added security.

**Guards**

Factory fitted Bird guard / Insect guard / Security guard / Burglar guard.

**Finish**

Mill finish Aluminium/ Polyester Powder Paint Finish/ PVF2.



The EN Stairwell ventilator can be installed either vertically or horizontally, and is equally as effective as a corridor ventilator.



- 1 The Centrium, Woking.
- 2 Castlegate House, Manchester.
- 3 Mount Pleasant, Liverpool.
- 4 The Postbox Apartments, Birmingham.
- 5 Discovery Dock, London.

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