![Keylite Roof Windows logo]

Smoke Ventilation
Roof Windows

The Keylite Smoke Ventilation System is designed to automatically open a Keylite Roof Window in the event of a fire.

Features

▶ **Complete Compliance** - The Keylite Smoke Ventilation System has been fully certified to EN12101-2 and is in compliance with European EN Norms.

▶ **Entire System** - All Keylite Smoke Ventilation Systems are provided with the following components as standard;
  ▶ Motor(s)
  ▶ Control Panel
  ▶ Break Glass Unit
  ▶ Smoke Detector
  ▶ 3 Day Battery Back-Up

▶ **Geometric Smoke Ventilation Applications** - Keylite's Smoke Ventilation Systems are fully tested and certified to EN12101-2 and are compliant on roof pitches between 15-90°.

▶ **Aerodynamic Smoke Ventilation Applications** - The Keylite Smoke Ventilation System can be upgraded to comply with Aerodynamic Smoke Ventilation requirements by including the optional Wind Deflector in the kit.

  Note: For Aerodynamic Smoke Ventilation Applications, Keylite's Smoke Ventilation Systems are fully tested and certified to EN12101-2 and are compliant on roof pitches between 15-50°.

▶ **Optimum Smoke Ventilation Area's** - In order to provide 1m² and 1.5m² of a Smoke Ventilation Area, Keylite recommends that a Smoke Ventilation Kit is added to a CP-08 (1140 x 1180mm) and a CP-10 (1340 x 1400mm) respectively. However if you are restricted for whatever reason, Keylite can also provide alternative kits that will suit your requirements.

▶ **Installation** - When a Smoke Ventilation Kit and Roof Window(s) are ordered together the Motor and Brackets are fitted free of charge. When the window(s) are delivered to site it is simply a matter of wiring up the electrical components independently. Wiring details are located on Page 2 of this document.

▶ **Flexibility** - The Keylite Smoke Ventilation System can be integrated seamlessly with a building's main fire alarm interface, or can operate independently as a stand-alone system.

▶ **Reliability** - All Keylite Smoke Ventilation Systems are provided with a three day battery back-up should the building's electrical system fail in the event of a fire occurring.

▶ **Functionality Inspections** - When the Keylite Smoke Ventilation System has been fully installed, a functionality inspection can be conducted by Keylite, upon request. For further information on this service, please contact the Keylite Aftersales Team.

Operation

▶ The Smoke Detector can be used to open the Roof Window automatically. This can also be achieved at the Break-Glass unit supplied.

▶ Alternatively an additional switch can be provided upon request for comfort ventilation control.

Guarantee

▶ **10 Years** - Keylite's hassle free guarantee on windows and flashings.

▶ **3 Years** - Keylite's hassle free guarantee on blinds, accessories and electrics.

Classification's according to EN 1201-2

▶ **Operational Reliability (Re)**
  Re1000 & 10,000

▶ **Snow Load (SL)**
  SL 1000

▶ **Low Temperature (T)**
  T (-15)

▶ **Wind Load (WL)**
  WL 3000

▶ **Heat Exposure (B)**
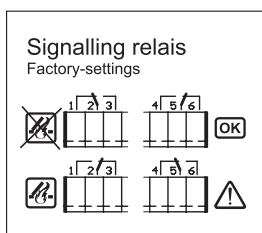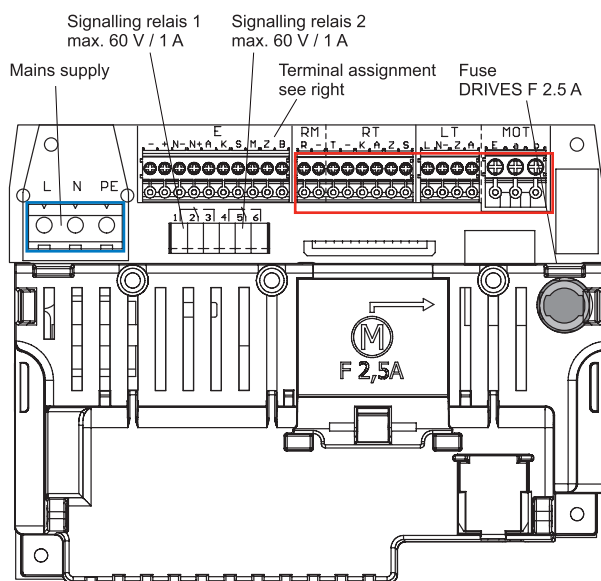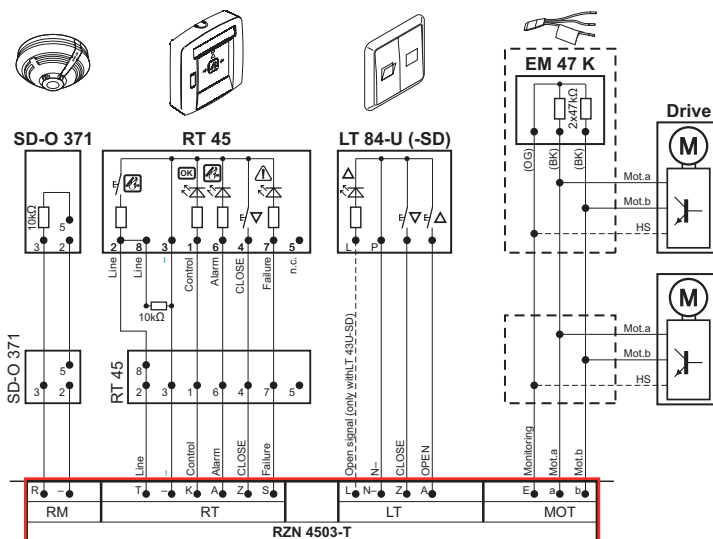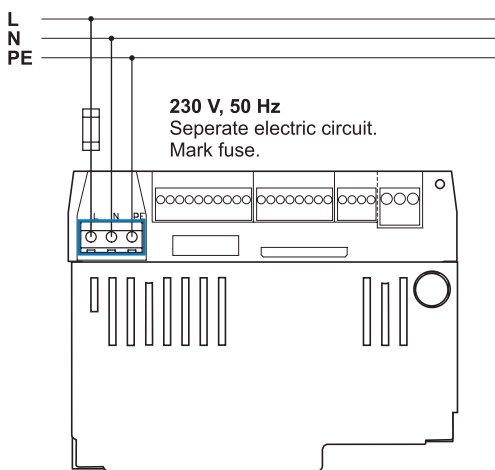 B 300

Smoke Ventilation Kit

keylite®
Roof Windows

Size Range & Smoke Ventilation Free Areas

Size Code Size (WxH)	08B 1140x980	08 1140x1180	09 1340x980	09C 1340x1180	10 1340x1400
Geometric Opening Area A_v in m²	0.93	1.14	1.11	1.36	1.64
Aerodynamic Opening Area A_a in m² [1]	0.50	0.59	0.57	0.69	0.86

[1] = With Additional Wind Deflector (WD)

Electrical Wiring Details

L
N
PE

230 V, 50 Hz
Seperate electric circuit.
Mark fuse.

SD-O 371   RT 45   LT 84-U (-SD)   EM 47 K   Drive

RZN 4503-T

Signalling relais 1
max. 60 V / 1 A

Signalling relais 2
max. 60 V / 1 A

Mains supply

Terminal assignment
see right

Fuse
DRIVES F 2.5 A

F 2,5A

Signalling relais
Factory-settings

OK

− : Emergency-supplied
potential -
+ : Emergency-supplied
potential +
N− : Not emergency-supplied
potential -
N+ : Not emergency-supplied
potential +
A : General alarm
K : Control
S : General fault
M : Magnetic clamp control
(max. 200 mA)
Z : Input, central function,
closing of group
B : FAS input

GB
Unit 3 Gateway Road, Burton Gateway,
Burton upon Trent, DE13 8FL

NI & ROI
KG2, Ballyreagh Industrial Est. Sandholes
Road, Cookstown, Co. Tyrone, BT80 9DG

T: +44 (0) 28 8676 7512
E: technicalsupport@keylite.co.uk

keyliteroofwindows.com