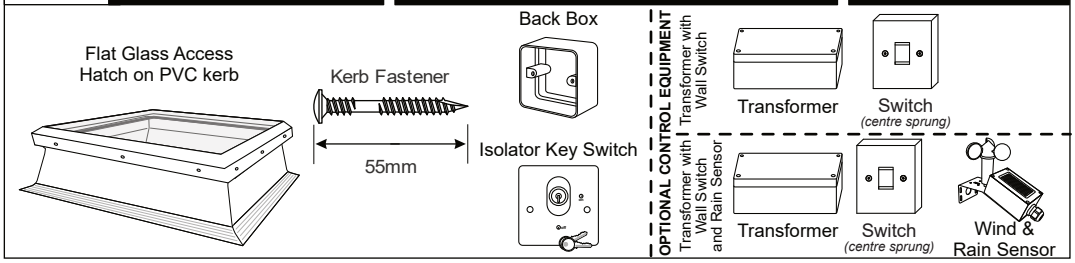
Flat Glass Access Hatch

TB443

Flat Glass Access Hatch on PVC Kerb

Contents | ! Take care when unpacking | Check all correct parts are included and undamaged | Only use fixings supplied



Fixing Quantities

Length of Nominal Unit Side (mm)	Number of fixings per side
1000, 1050, 1200	3
1350, 1500, 1650	4
1800, 1950, 2000	5

! **All Health & Safety Regulations must be followed on site throughout the installation process**

⚠ **WARNING! Flat glass units are heavy. Some units may require a mechanical lift.**

Pitch requirements

Flat Glass units are suitable for mounting at pitches of 2°-15°. A minimum pitch of 2° is required to prevent water ponding on the glass leading to rapid dirt build up.

If roof pitch is less than the minimum required, then firring strips should be used to ensure unit is installed with adequate pitch.

Annealed, laminated inner pane

THE ONLY SAFE CHOICE FOR OVERHEAD GLAZING
LAMINATED INNER PANE
ENDORSED BY THE ROOFLIGHT ASSOCIATION

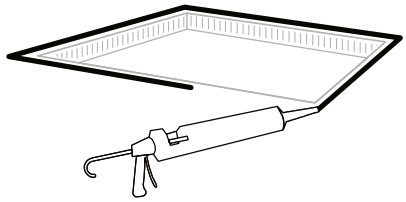
These Flat Glass rooflights are manufactured using double glazing which includes an inner pane of annealed, laminated safety glass, which prevents falling glass in the event of accidental breakage, for the safety of those below the rooflight.

In some circumstances, annealed, laminated safety glass can be subject to thermal stress fracture in the event of uneven heat build-up directly under the glass. Installation of blinds, or any other alterations made to the lightwell below the rooflight, must be done so with consideration to the risk of thermal stress fracture. In the case of blinds, the risk of thermal stress fracture can never be fully removed, but it can be reduced by choosing light coloured blinds, positioning them as far away from the glass as possible, and including ventilation in the rooflight specification.

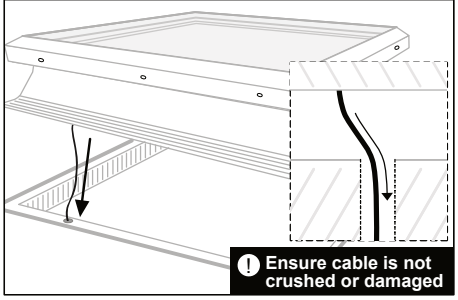
More detailed guidance can be obtained upon request.

Installation Process

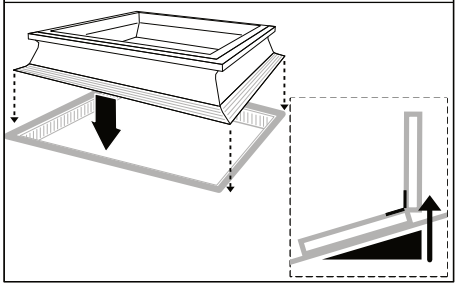
1 Mastic/Silicone around the edge of the roof opening



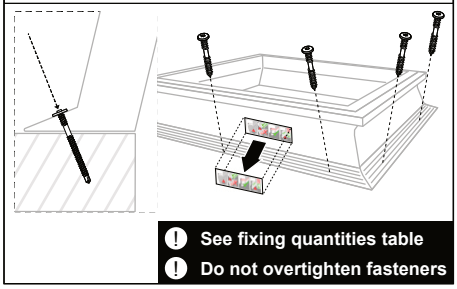
2 Feed power cable through roof cavity



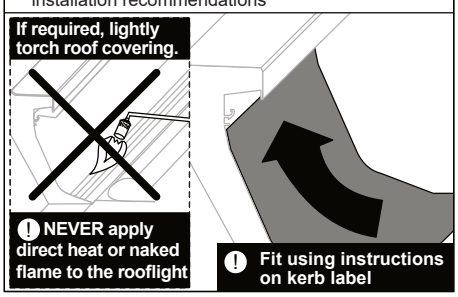
3 Facing hinges upslope, place kerb squarely over roof opening



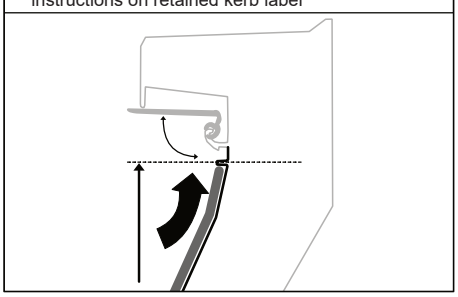
4 Fix kerb to roof using 55mm kerb fasteners **Remove and retain label**



5 Install roof covering according to manufacturer's installation recommendations



6 Terminate roof covering in accordance with instructions on retained kerb label



7 Connect electrics (see Wiring Instructions and Control System, page 2)

This should only be completed by a suitably qualified electrician

ⓘ **TECHNICAL SUPPORT:** For any technical information/queries please contact your supplier.

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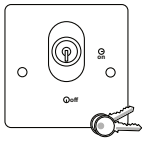
Please note that all wiring and commissioning must be undertaken by a suitably trained and qualified person. The installer must ensure that all wiring runs, cable thickness and earthing etc. meet current regulations.

All Health & Safety Regulations must be followed on site throughout the installation process

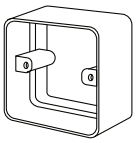
Powered Opening (24V DC only) - WITHOUT TRANSFORMER

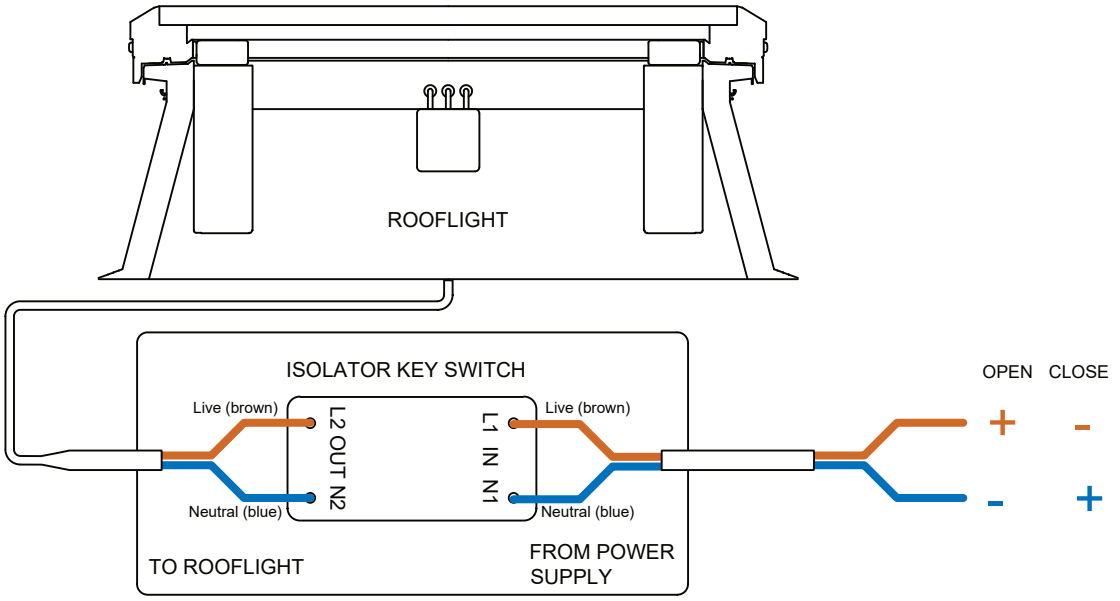
The supplied isolating key switch must be used with all Flat Glass Access Hatch products to ensure user can isolate unit whilst on the roof.

Isolator Key Switch



Back Box



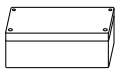


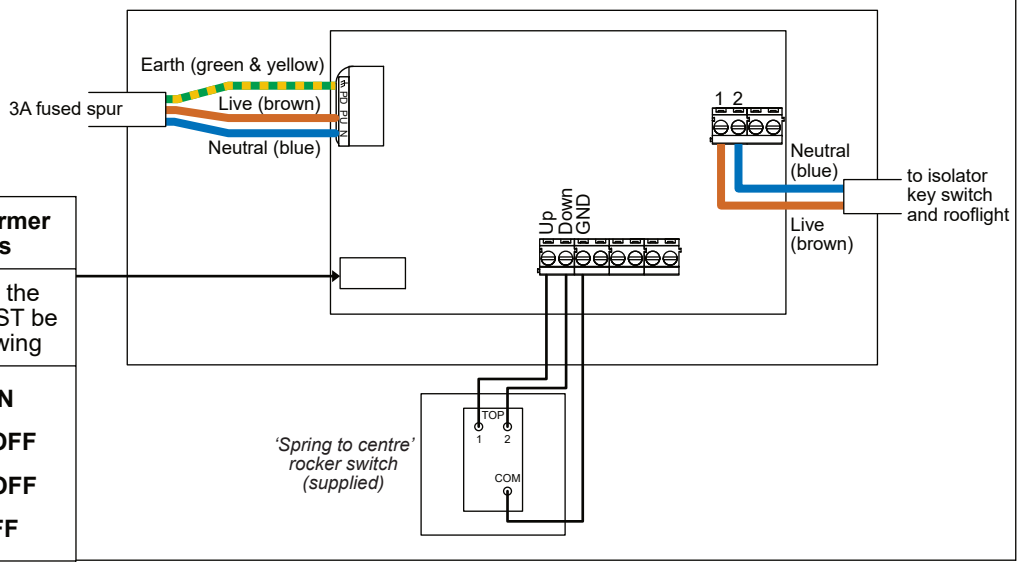
Optional ACDC Transformer with Wall Switch

If supplied, the transformer should be wired with wall switch as per the below.

Switch *(centre sprung)*

Transformer





ACDC Transformer DIP settings
DIP settings in the transformer MUST be set to the following
RF Ctrl = ON
PulsMode = OFF
INV Alarm = OFF
Toggle = OFF

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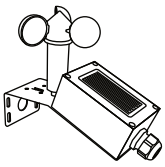
Optional ACDC Transformer, Wall Switch, Wind and Rain Sensor

If supplied, the transformer should be wired with wall switch and rain sensor as per the below.

Switch *(centre sprung)*

Transformer

Wind & Rain Sensor



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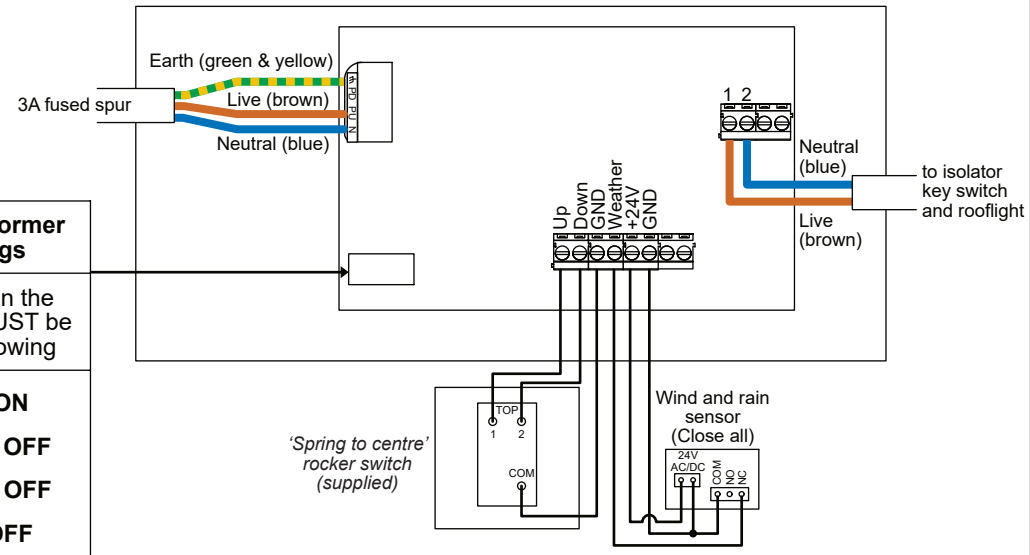
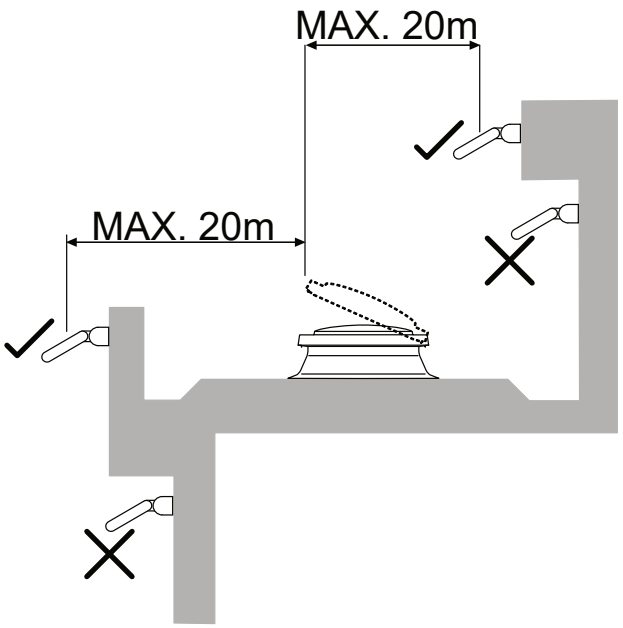


Rain Sensor positioning

Mount Rain Sensor in suitable location.

It must be positioned somewhere it will be hit by rain.



Wind Speed Setting

Wind speed trigger point can be adjusted using PCB mounted rotary switch.