

In the event of any queries please contact the system installer.

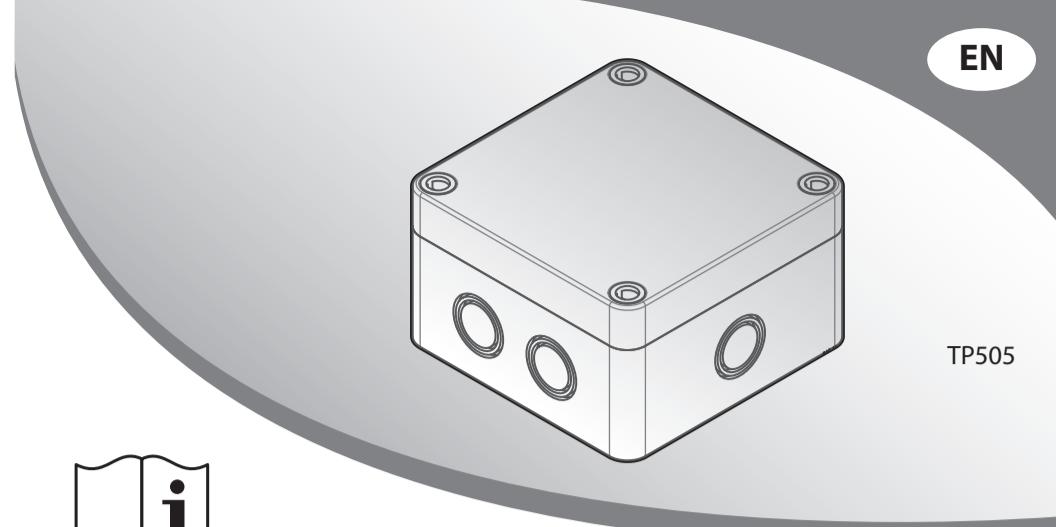
Ensure this Product Manual is kept with the Ventilation Unit Product Manual.



MARKETING DIVISION  
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TP505



### Boxed Relay 5A Product Manual



## Description

The Titon Boxed Relay 5A is designed for use with Titon HRV Heat Recovery Ventilation & Titon CME Mechanical Extract Ventilation units.

The Titon Switch Relay operates from 220-240VAC 50/60 Hz and provides 2-way switching. This enables multiple switch configurations for non Q Plus (AC) units or mains voltage switching for Q Plus models.

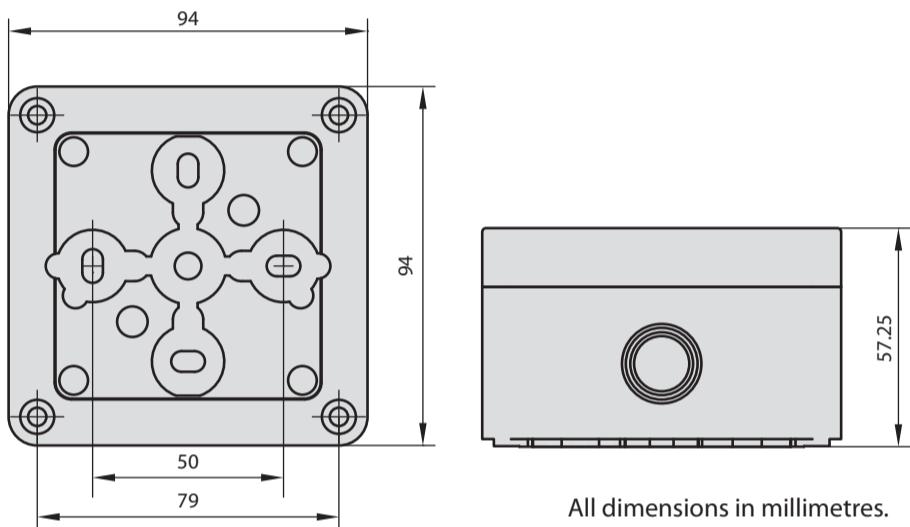
## Package Contents

Inspect the unit when taking delivery. Check the unit for damage and that all accessories have been supplied. Each Switch Relay is supplied with:

- Product Manual x 1.
- M16 Cable Gland land & Nut x 3.

Any shortages or damage must be immediately reported to the supplier. If any damage is identified the product must not be installed.

## Dimensions



All dimensions in millimetres.

## Fixing

- The Switch Relay unit must be securely fixed to a flat surface. Any orientation is possible.
- Referring to the dimensions drawing, mark fixing holes with 79mm centres.
- Drill holes for fixings. Use 4mm Pan Head screws. Always use a fixing type and length suited to the substrate type.
- Mount the Switch Relay unit ensuring that it is flat against the mounting surface.

## Safety and Guidance

### Important: read these instructions fully before the installation of this appliance

1. Installation of the appliance must be carried out by a qualified and suitable competent person and be carried out in clean, dry conditions where dust and humidity are at minimal levels.
2. The unit must be stored in a clean and dry environment.
3. Remove all packaging before installation.

4. Do not install the appliance in areas where the following may be present or occur:
  - Excessive oil or a grease laden atmosphere.
  - Corrosive or flammable gases, liquids or vapours.
  - Ambient temperatures above 40°C or below -5°C.
  - Humidity levels above 90% or is a wet environment.
5. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
6. The appliance is not suitable for installation to the exterior of the dwelling.
7. Children should be supervised to ensure that they do not play with the appliance.

## Wiring & Safety

**WARNING: The unit MUST be earthed. All wiring must conform to current I.E.E. Wiring Regulations and all applicable standards and Building Regulations.**

- The Switch Relay is suitable for 220-240VAC 50/60 Hz single phase supply. The relay switch contacts can be used for either 230V 5A or volt free/signal switching.
- Knock outs are provided for cable entry; suitable glands should be used to maintain IP rating and provide strain relief.
- A double pole isolation switch with contact separation of at least 3mm must be used to connect the appliance to the fixed wiring.
- This product is fitted with a 250mA fuse to protect the switched live circuit (Live switch - L to SW).

**For wiring diagrams see reverse.**

### Declaration of Conformity

We declare that the equipment detailed below conforms to the requirements of EC council directives relating to electromagnetic compatibility and safety of electrical equipment.

Equipment type: TP505 Boxed Relay 5A  
Description of equipment: Switched Relay Box  
Relevant EC Council Directives: 2006/95/EC (LVD), 2004/108/EC (EMC)  
Applied Harmonised Standards: BS EN 60335-1:2002+A2:2006  
BS EN 60335-2-80:2003+A2:2009  
Manufacturer: Titon Hardware Limited

Signature of manufacturer representatives

N C Howlett Development and Sustainability Director

P S Cowell BEng (Hons) MCIBSE Research and Development Manager

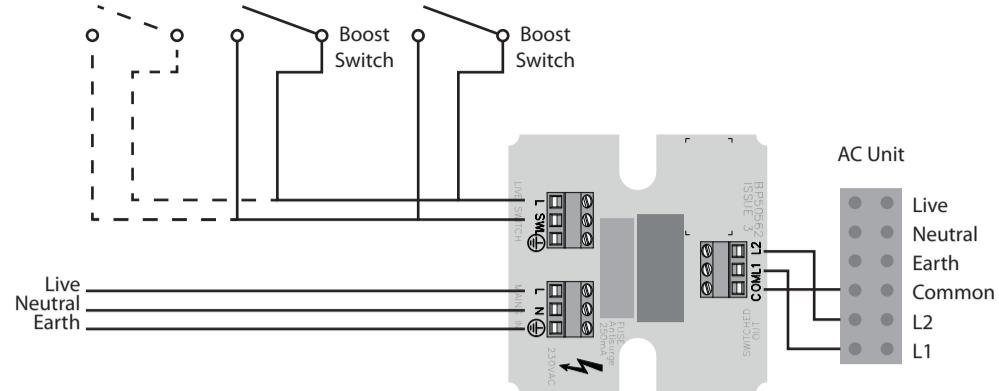
K Tabron Production Director  
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### Lighting circuit powered multiple boost switching of AC Fan Unit

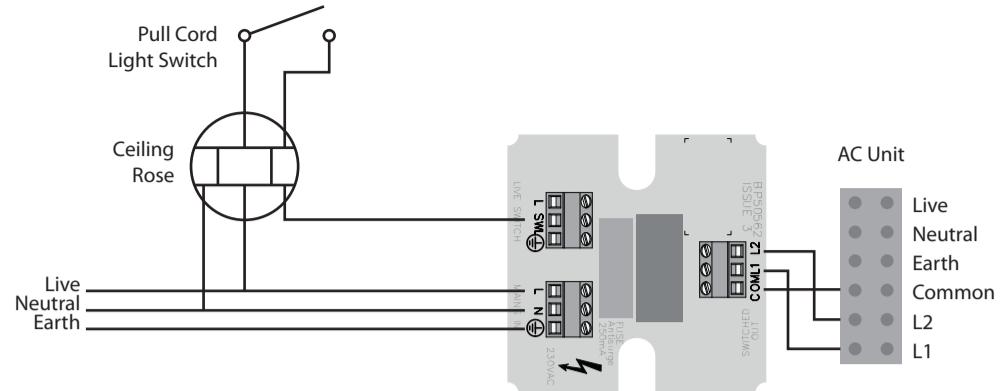


#### Note

- 1 When any boost switch is activated, all become Live.
- 2 There is no limit to the number of boost switches that can be used.
- 3 Earth wiring for switches not shown for clarity.

EE132SCH

### Lighting circuit powered boost switching of AC Fan Unit using wetroom pull-cord switch

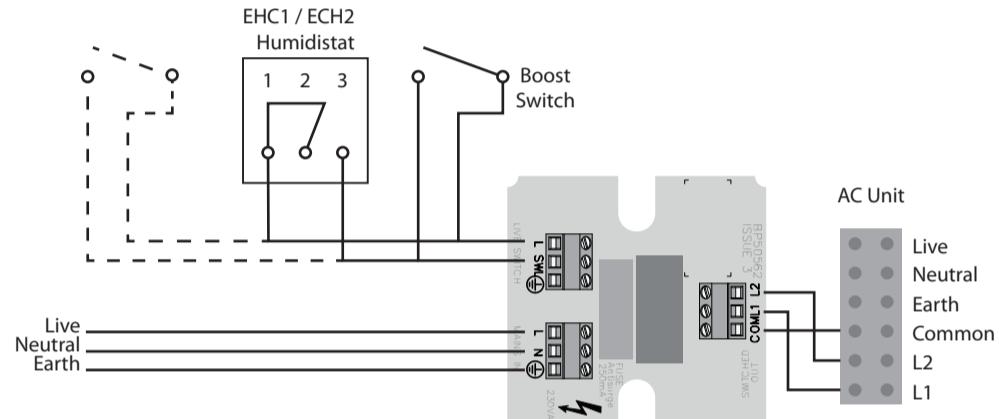


#### Note

- 1 With this setup, it is not possible to incorporate additional boost or light switches.
- 2 Earth wiring for switch & ceiling rose not shown for clarity.

EE134SCH

### Ring circuit powered multiple boost switching of AC Fan Unit

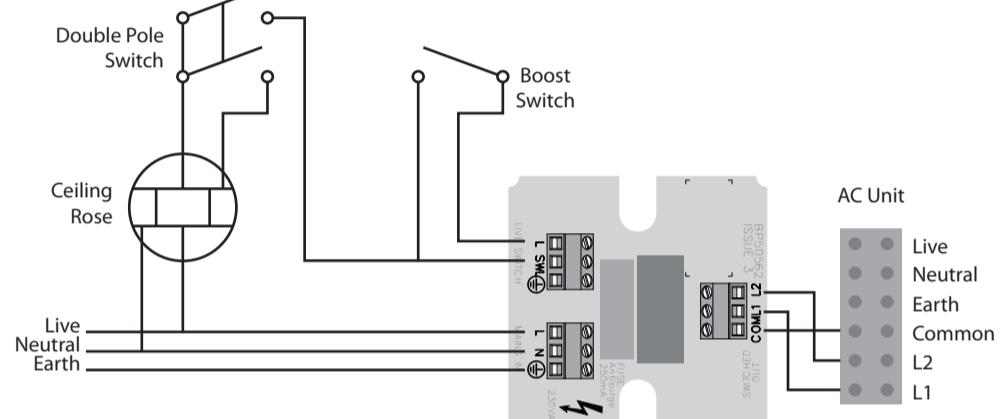


#### Note

- 1 When any boost switch is activated, all become Live.
- 2 There is no limit to the number of boost switches or humidistats that can be used.
- 3 Earth wiring for switches not shown for clarity.

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### Lighting circuit powered boost switching of AC Fan Unit using double pole & boost switches

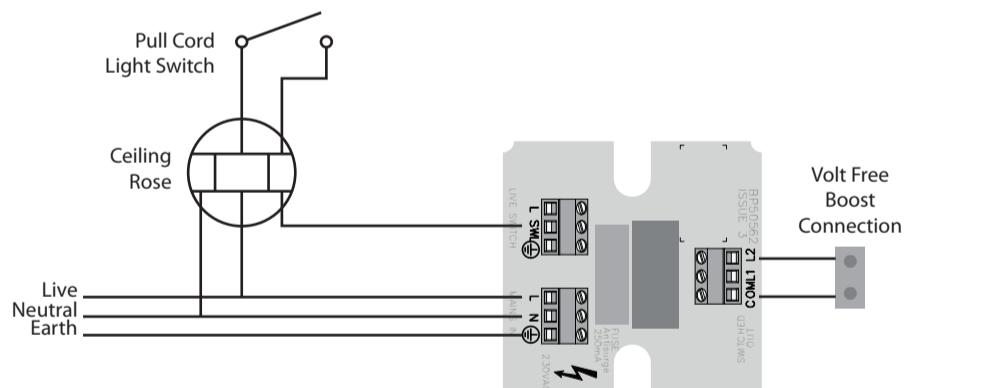


#### Note

- 1 With this setup, the double pole switch prevents the ceiling rose from becoming Live when any boost switch is activated.
- 2 There is no limit to the number of boost switches or double pole switches used, provided they are on the same circuit.
- 3 When any boost switch is activated, all become Live.
- 4 Earth wiring for double pole switch & ceiling rose not shown for clarity.

EE136SCH

### Lighting circuit powered boost switching of controller PCB using wetroom pull-cord switch. Titon Q Plus range.

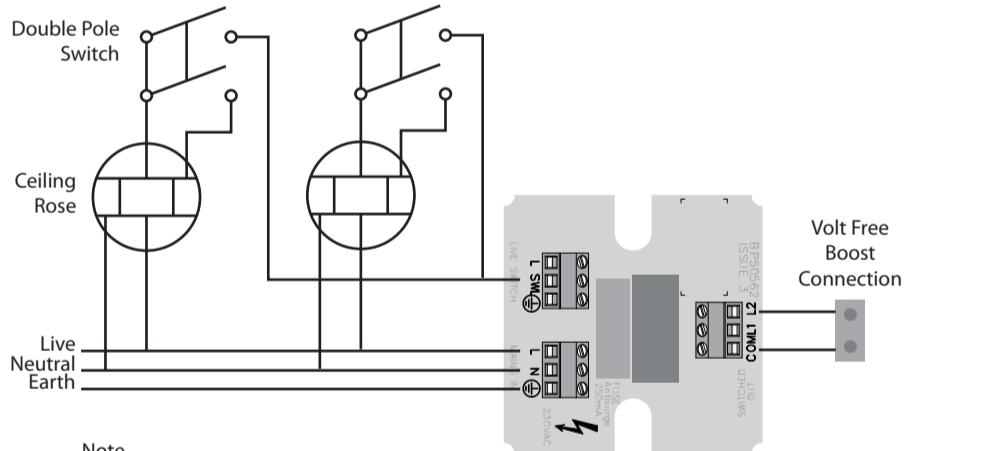


#### Note

- 1 With this setup, it is not possible to incorporate additional boost or light switches.
- 2 Earth wiring for switch & ceiling rose not shown for clarity.

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### Lighting circuit powered boost switching of controller PCB using double pole switches. Titon Q Plus range.



#### Note

- 1 With this setup, the double pole switch prevents the ceiling rose from becoming Live when any boost switch is activated.
- 2 There is no limit to the number of boost switches or double pole switches used, provided they are on the same circuit.
- 3 When any boost switch is activated, all become Live.
- 4 Earth wiring for double pole switch & ceiling rose not shown for clarity.

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