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Vitrum On-Off Classic

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## **INSTALLATION AND OPERATION**

DESIGNED AND PRODUCED  
ENTIRELY IN ITALY



## INDEX

0. Before starting . . . . .	3
1. Electrical connections . . . . .	4
2. Positioning the glass decor panel . . .	8
3. Configuration of the type of switch	10
4. Factory reset . . . . .	13
5. Compliance with ec directives . . .	15
MAIN TECHNICAL SPECIFICATIONS . .	14

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## 0. BEFORE STARTING

The Vitrum system that you have purchased is designed for connection to your existing 240V power supply circuit. Before commencing installation, ensure that the mains power supply had been disconnected by setting the main switch on your electricity meter to **OFF**. Do not re-connect the power supply and start using Vitrum until all connections have been correctly completed and the Vitrum unit has been inserted into the wall-mounting box.

**Vitrum must be installed by a professional electrician who is qualified to operate on electrical power circuits in full compliance with all current safety legislation.**

For each device, connect the power supply and the return wire from the actuators as shown in the circuit diagrams printed on the rear of the boxes in the vicinity of the terminal block. Refer exclusively to the circuit diagrams contained in this manual, especially if connecting the system without an earth wire.

**Carefully check that the wires and connectors are securely fastened. After securing the unit to the wall-mounting box, temporarily use the plastic cover for protection until the glass décor plate is fitted.**

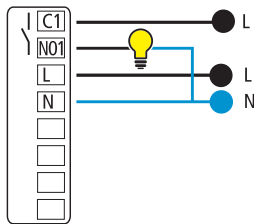
Do not install Vitrum in the vicinity of sources of heat or in conditions of high humidity.

**IMPORTANT: Fit a rapid-acting fuse with a high switching capacity that is suitable for the load applied to the device.**

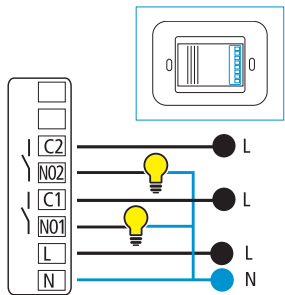
## 1. ELECTRICAL CONNECTIONS

Simply connect the Live wire to the terminals marked **"L"**, "C1...C3" and the Neutral wire to the terminal marked **"N"** and the light(s) to the terminal(s) marked **"NO 1...NO 3"**.

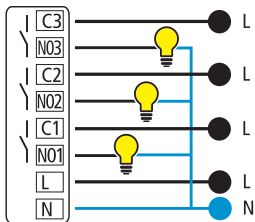
All the relays function as switches, and the contacts are normally open. The device may be set to operate as a "Button" as well as a "Switch".



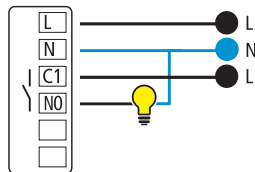
On-off Classic  
1 channel EU



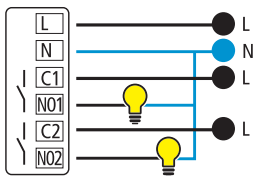
On-off Classic  
2 channels EU



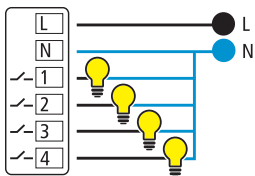
On-off Classic  
3 channels EU



On-off Classic  
1 channel BS

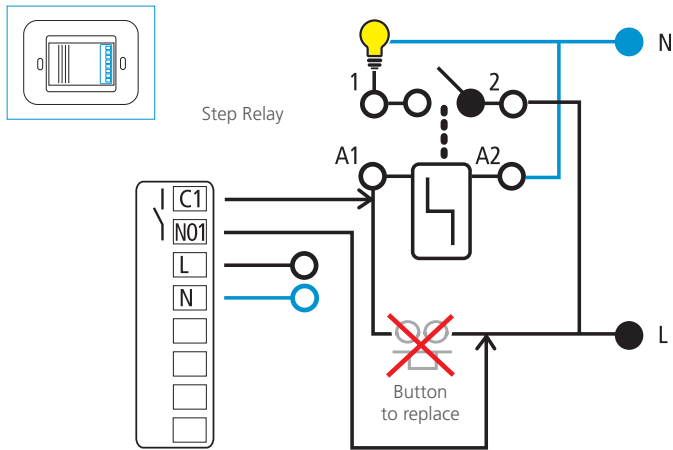


On-off Classic  
2 channels BS



On-off Classic  
4 channels BS

The circuit diagram below shows how to connect without the use of the jumper in order to replace a button which controls a step relay for control of an existing lighting system:



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## IMPORTANT

Fit a rapid-acting fuse with a high switching capacity that is suitable for the load applied to the device. Recommended fuse to put in series for each channel is: fast-acting ceramic body cartridge fuse mod. F4AH250V (800W); F6,3AH250V (1500W); F12,5AH250V (2400W); F16AH250V (4x800W). Devices are built to fit Italian "503" boxes, 3 modules, comply with the standard IEC/EN 60670-1 and dimensional tab A8 of standard CEI 23-74:2002; 1-gang British Standard boxes, 2 modules, comply with the standard 4662:2006.

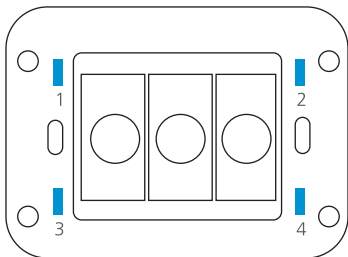
**After connecting, check that the wires are correctly positioned inside the wall-mounting box.** When securing Vitrum to the wall-mounting box, use the screws supplied and note that the **maximum torque** to be used when tightening the screws in the embedding box is 0.8 Nm. In addition, the surface of the wall for at least 2 cm surrounding the embedding box **must be** as flat and smooth as possible, and must not have any rough patches and/or bumps that protrude more than 1 mm. **If the screws are not tightened with the torque specified, or if the embedding box is installed on unsuitable surfaces, the correct operation of the device cannot be guaranteed.**

Think Simple Spa accepts no liability if the device is not correctly installed as described above.

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## 2. POSITIONING THE GLASS DECOR PANEL

In order to refit the glass panel correctly, ensure that the four plastic tabs on the panel are in perfect alignment with the anchor holes. When the glass panel tabs are aligned with the holes, press the four corners of the glass panel evenly until it is fully inserted into the wall-mounting box.

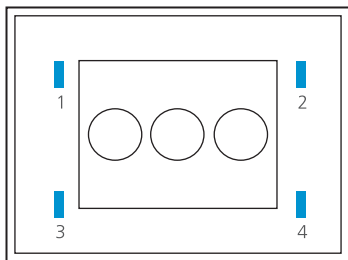


Anchor holes on electronic section



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After fitting the glass panel, the buttons remain inoperative for about 10 seconds. An acoustic signal sounds three times to indicate that the sensors have been recalibrated, after which they resume normal operation. To remove the glass panel from the wall-mounting box, gently lever the upper or lower edge away.



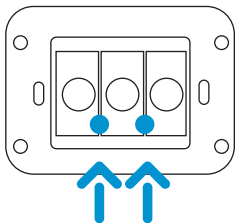
Anchor tabs on décor panel

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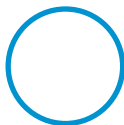
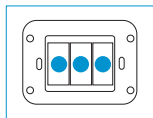
### 3. CONFIGURATION OF THE TYPE OF SWITCH

Vitrum is configured to operate as a normal ON/OFF switch (i.e. to ‘toggle’ the ON and OFF status with each touch). The individual channels can be configured as simple buttons. To do so, proceed as follows:

- Remove the glass décor panel.
- Press and hold down the **two** service touch keys for at least 8 seconds and wait until the BEEP sounds twice to indicate that the system has entered the configuration **MENU**. The LEDs in the touch keys will begin to flash either blue or red, depending on the setting entered. The default setting for the flashing light is blue since the factory setting is Switch.

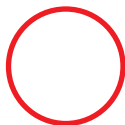


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- Press each of the Vitrum touch keys briefly to select the desired operating mode.



**FLASHING BLUE**

Switch



**FLASHING RED**

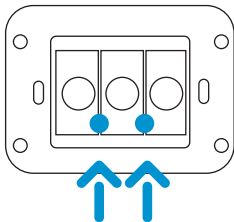
Button

Each time the touch key is pressed, the cyclic status is 'toggled':

**Switch** -> **Button** -> **Switch** ...

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Vitrum returns to normal operation after 12 seconds of inactivity or if the two service touch keys indicated by the yellow arrows in the figure below are pressed briefly (0.5 seconds).



**IMPORTANT**

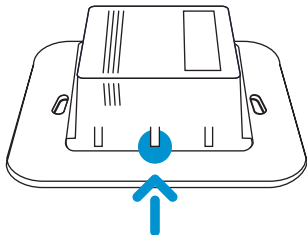
The default operating mode is “Switch”.

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## 4. FACTORY RESET

Proceed as follows to reset the Vitrum unit to the original factory settings:

- Remove the Vitrum unit from the wall-mounting box.
- Press the hidden Factory Reset button and hold down for at least 3 seconds. Vitrum will flash red three times and sound an acoustic signal to indicate that the original factory setting has been restored.



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## MAIN TECHNICAL SPECIFICATIONS

### Vitrum On-off Classic

	Vitrum 1 channel	Vitrum 2 channels	Vitrum 3 channels	Vitrum 4 channels
Power supply	240V/50hz	240V/50hz	240V/50hz	240V/50hz
Energy consumption	<1 w	<1 w	<1 w	<1 w
Operating temperature	0-40° C	0-40° C	0-40° C	0-40° C
Relay	16 A	16 A	16 A	5 A
Load capacity for each output (see data sheet)	Up to 2400w	Up to 2400w	Up to 2400w	Up to 800w/800VA
Configurable operating mode: switch or hold-down button	YES	YES	YES	YES
Protection Rating	IP 40	IP 40	IP 40	IP 40

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## 5. CONFORMITÀ ALLE DIRETTIVE

All Vitrum Classic units are built in compliance with the following European directives:  
B.T.2006/95/CE, E.M.C.:2004/108/CE,

The manufacturer assumes no responsibility for any use not indicated in this manual.

Think Simple reserves the right to modify its products at any time and without notice in order to better their quality and functionality.

Therefore, all the information given in this datasheet is to be considered subject to possible modifications. For this reason we invite you to check for update of Vitrum users guide at [www.vitrum.com/eng/content/download](http://www.vitrum.com/eng/content/download)

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