

Booster Element Relay for Hot Water 31VBER

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Installation Instructions

Description

The 31VBER Booster Element Relay for Hot Water suits hot water heating systems that have a booster element and thermostat. The 31VBER's boost relay de-energises when the water reaches the temperature governed by the thermostat. The product has a pushbutton switch and a neon indicator that indicates when the booster element is operating.

Application Restriction

WARNING Solar Hot Water Systems

Use the 31VBER only for the purpose for which it is designed. Schneider Electric does not endorse the use of the product to modify or interfere with the normal operation of any solar hot water system.

Wiring Instructions

The figure below shows the terminal connections points on the 31VBER relay. Ensure that the product is suitable for the water heater being used and that a circuit breaker is used on the supply circuit.



31VBER



WARNING Electric Shock Hazard

Dangerous voltage is present at the terminals. Improper installation by unqualified persons can result in death or serious injury. Read all instructions and install the product according to wiring rules.

Notes:

All cables used to wire the product must be rated for mains voltage.

The cable used for the thermostat line connection should have the same ratings as the line and neutral cables.

A schematic showing the method of use of the product is provided on Page 2.



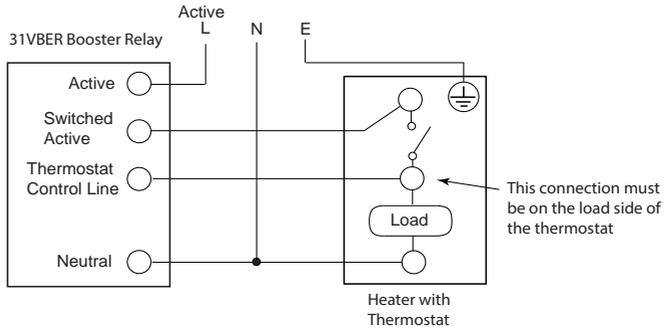
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Application

Connect the product as shown in the wiring diagram to the right.

Ensure that the control line de-energises the relay when the thermostat senses the set temperature.



Specifications

The 31VBER must never be operated outside of an approved fixed location.

Specification	Value/Description
Supply voltage	240 Va.c., nominal
Supply frequency	50 Hz
Relay rating	15 A, for resistive load.
Wired Connections	Active line input (Active) 250V mains Neutral line (Neutral) Output (Switched Active) Control (Thermostat Control Line) Wired connections use screw terminals.
Switch type	Pushbutton with neon indicator
Dimensions	Length: 115 mm; Height: 73 mm mounting centres: 84 mm apart
Depth	Plate: 16 mm; Button: 4.5 mm.
Operating ambient temperature	5°-45° C, switch may feel warm to the touch when active.
Operating humidity	10-90% RH, non-condensing
Warranty Period	2 years against manufacturing defects

Technical Support

If you need technical assistance or warranty information, contact your local Schneider Electric sales office or customer care.

Customer care email: <http://www.schneider-electric.com> select Support and your country

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