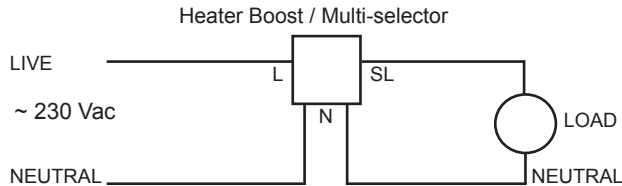


### Wiring diagram



### Troubleshooting

#### The heater boost / multi-selector switch resets itself off:

- The supply to the heater boost / multi-selector switch must be permanent, it should not be wired in series after another timer device.

#### The main heating timer is not functioning:

- The heater boost / multi-selector switch can only be wired in parallel with relay output timer units, otherwise the output of the other timer may be damaged.

### Precautions and Warranty

This product conforms to BS EN 60669-2-1.

Please ensure the most recent edition of the appropriate local wiring regulations are observed and suitable protection is provided e.g. 13 amps over current, 1kV over voltage. Please ensure that this device is disconnected from the supply if an insulation test is made.

This product is covered by a warranty which extends to 5 years from the date of manufacture.

### Products available from DANLERS

- PIR occupancy switches • Daylight linked dimmers • Manual high frequency dimmers
- Photocells • Radio remote controls • Time lag switches • Outdoor security switches
- Dimmers • Heating, ventilation and air-conditioning controls • Bespoke / O.E.M. products

Please call for more information or a free catalogue, or visit our website.

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 Company Registered Number 2570169 VAT Registration Number 543 5491 38



### Plated heater boost / multi-selector switches

TLSW HB	TLSW HB1246	TLSW HB BP
TLSW HB BP1246	TLSW MS	TLSW MS1246

DANLERS plated heater boost/multi-selector switch can be mounted onto a standard back box and needs a neutral connection. It can switch a resistive heating load up to 3kW. The plate incorporates four red LEDs, each representing a different remaining time range. Each time the button is pressed the remaining time advances to the next value, giving a longer time lag. If the button is pressed when the fourth LED is lit the load is switched off. The switches can be wired in parallel with any other relay output timers as a manual override.

The four time lags periods are as follows:

TLSW HB	Marked 'HEATING BOOST' plate with ¼, ½, 1 and 2 hour periods
TLSW HB1246	Marked 'HEATING BOOST' plate with 1, 2, 4 and 6 hour periods
TLSW MS	Marked plate with ¼, ½, 1 and 2 hour periods
TLSW MS1246	Marked plate with 1, 2, 4 and 6 hour periods
TLSW HB BP	Blank plate with ¼, ½, 1 and 2 hour periods
TLSW HB BP1246	Blank plate with 1, 2, 4 and 6 hour periods

### Loading

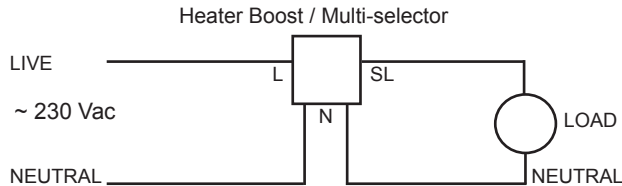
These switches can only be connected to a 230V, 50Hz ac supply. They can switch up to 13 amps (3000W) of resistive loads or they can also switch up to 1 amp (250W) of fans. For larger loads they can be used to operate a contactor.

### Installation procedure

1. Please read these notes carefully before commencing work. In case of doubt please consult a qualified electrician. Make sure the power is isolated from the circuit. Remove the top and bottom lugs if using a 4 lug metal back box.
2. The TLSW HB / MS switches have a terminal block on the reverse, which should be connected as shown in wiring diagram overleaf:
 

L	Live input
SL	Switched Line output
N	Neutral (two neutral terminals are available)
3. Turn on the supply and test the function of the switch.

### Wiring diagram



### Troubleshooting

#### The heater boost / multi-selector switch resets itself off:

- The supply to the heater boost / multi-selector switch must be permanent, it should not be wired in series after another timer device.

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TLSW HB BP1246	Blank plate with 1, 2, 4 and 6 hour periods

### Loading

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