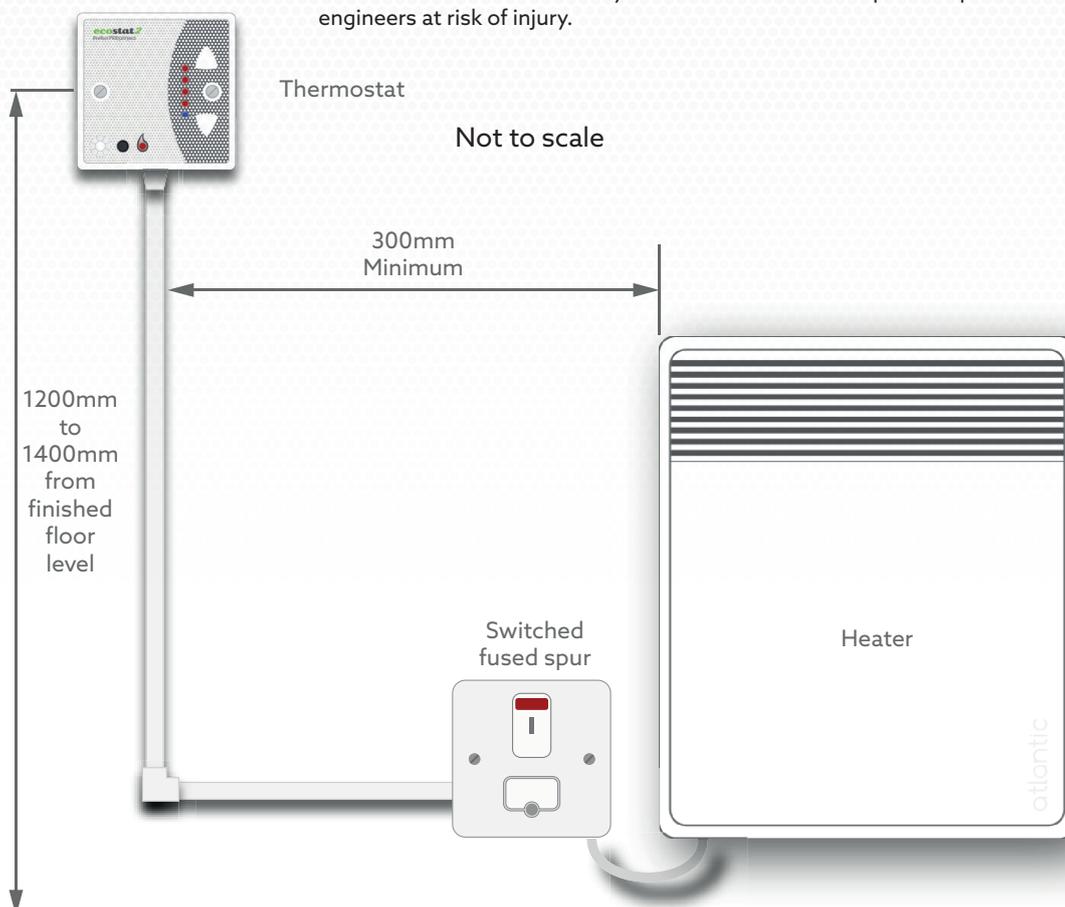


## Typical Electric layout

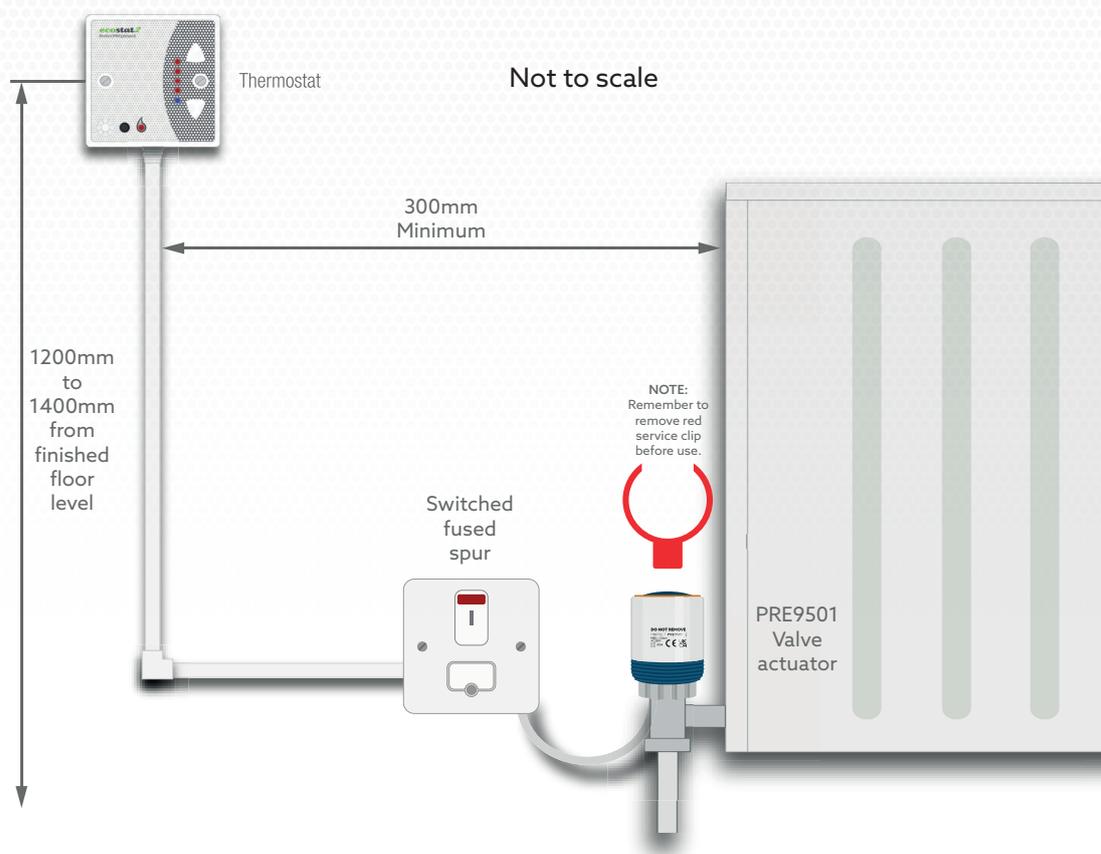
- All installation and wiring works must be completed by a competent person and conform to relevant regulations in-force at time of installation
- Locate the thermostat at least 300mm away from the nearest edge of the heater. Ensure the thermostat is placed where it cannot be affected by extraneous heat sources, for example: televisions, desktop computers, fridges. If fitted too close to an extraneous heat source the thermostat will not function correctly. Do not mount the thermostat above a heater or radiator. Mount the thermostat at the centre point of the room if possible. Do not mount the thermostat behind curtains or room dividers, for the PIR detector to work correctly the thermostat must have a clear view of the room.
- Ensure the thermostat has a local means of safe isolation. A double pole isolator must be used. A PRE6002 double pole key switch is recommended.
- Mount the thermostat between 1.2m and 1.4m from finished floor level. The thermostat is equipped with a PIR for presence detection, be sure to mount the thermostat in such a position to provide a clear view of the required detection area, the maximum detection range is 5m.
- The thermostat can be mounted in both surface and sunken boxes. When mounting into a metal clad pattress or sunken box the upper and lower box lugs must be removed.
- Ensure the thermostat is not mounted within 1m of forced heating or ventilation systems.
- Ensure the thermostat is not in a position to be covered or isolated from the room environment. Do not mount directly next to a window.
- Ensure the thermostat is easily accessible and does not put occupants or service engineers at risk of injury.



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## Typical wet layout

- All installation and wiring works must be completed by a competent person and conform to relevant regulations in-force at time of installation
- Locate the thermostat at least 300mm away from the nearest edge of the radiator. Ensure the thermostat is placed where it cannot be affected by extraneous heat sources, for example: televisions, desktop computers, fridges. If fitted too close to an extraneous heat source the thermostat will not function correctly. Do not mount the thermostat above a heater or radiator. Mount the thermostat at the centre point of the room if possible. Do not mount the thermostat behind curtains or room dividers, for the PIR detector to work correctly the thermostat must have a clear view of the room.
- Ensure the thermostat has a local means of safe isolation. A double pole isolator must be used. A PRE6002 double pole key switch is recommended.
- Mount the thermostat between 1.2m and 1.4m from finished floor level. The thermostat is equipped with a PIR for presence detection, be sure to mount the thermostat in such a position to provide a clear view of the required detection area, the maximum detection range is 5m.
- The thermostat can be mounted in both surface and sunken boxes. When mounting into a metal clad pattress or sunken box the upper and lower box lugs must be removed.
- Ensure the thermostat is not mounted within 1m of forced heating or ventilation systems.
- Ensure the thermostat is not in a position to be covered or isolated from the room environment. Do not mount directly next to a window.
- Ensure the thermostat is easily accessible and does not put occupants or service engineers at risk of injury.



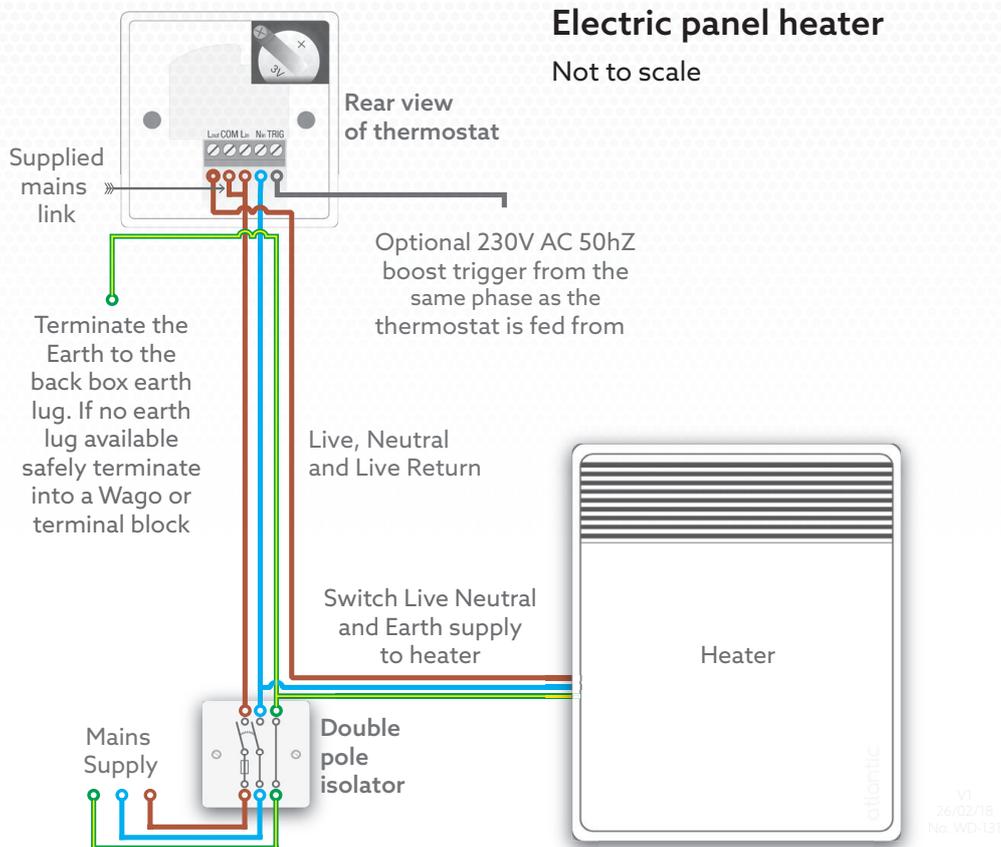
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#### Mains output

1. All wiring works should be completed by a competent person/s. Isolate the appropriate circuit that the thermostat is to be supplied from. Perform safe isolation procedure to ensure the circuit is completely isolated. Ensure the supply has been locked in the off position. Always ensure safe working practices.
2. Make any circuit adjustments required in accordance with current regulations.
3. If the trigger terminal is to be used ensure the trigger supply is fed from the same circuit as the thermostat supply to conform with current regulations.
4. Connect the live and neutral supply to the thermostat, note that the load neutral must be fitted with the supply neutral. Ensure the supplied mains link is fitted between Lin and COM terminals, terminate the loads live supply to the normally open terminal (Lout). Ensure the link is securely fastened in both the Lin and COM terminals.
5. Recheck all terminals including any factory fitted connections then fit the unit to the back box ensuring cables are not in a position to be damaged.
6. Re-energise the circuit. Press the up button twice to enable a 2 minute test cycle.

#### Volt free output

1. All wiring works should be completed by a competent person/s. Isolate the appropriate circuit that the thermostat is to be supplied from. Perform safe isolation procedure to ensure the circuit is completely isolated. Ensure the supply has been locked in the off position. Always ensure safe working practices.
2. Make any circuit adjustments required in accordance with current regulations.
3. If the trigger terminal is to be used ensure the trigger supply is fed from the same circuit as the thermostat supply to conform with current regulations.
4. Terminate the live and neutral supply to the thermostat. Ensure the supplied mains link is removed.
5. Terminate the loads feed cable to the common (COM) terminal. Terminate the load return to normally open terminal (Lout).
6. Recheck all terminal connections and fit the unit to the back box ensuring cables are not in a position to be damaged.
7. Re-energise the circuit. Press the up button twice to enable a 2 minute test cycle.



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Cleverly simple  
control of energy.

#### ATLANTIC HEATERS WITH ENERGY LOCK



The heater will not function until the energy lock key (see Fig 1) has been installed into the heater. The energy lock key is supplied with the control thermostat.

- Holding the key with the tooth at the top, note the T shape of the tooth. On the top right hand side of the heater is a plastic cover, on this cover you will see a corresponding T slot. Locate the key into the T slot on the heater (see fig 2).
- Once the key is located into the T slot, push the key home until it is flush (see fig 3). Once the key is fitted the heater will be able to operate when the thermostat is calling for heat.

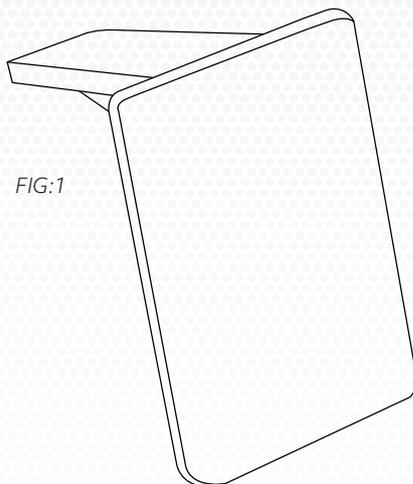


FIG:1

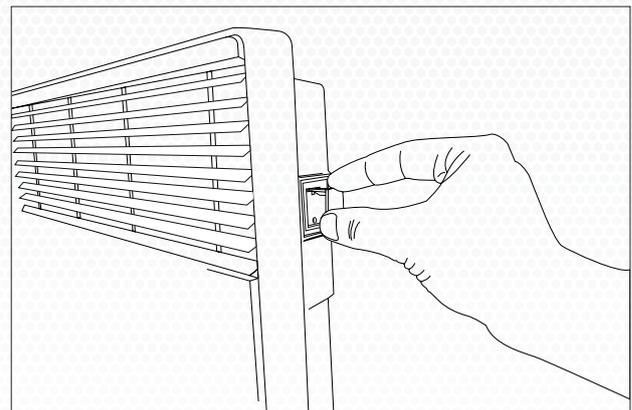


FIG:2

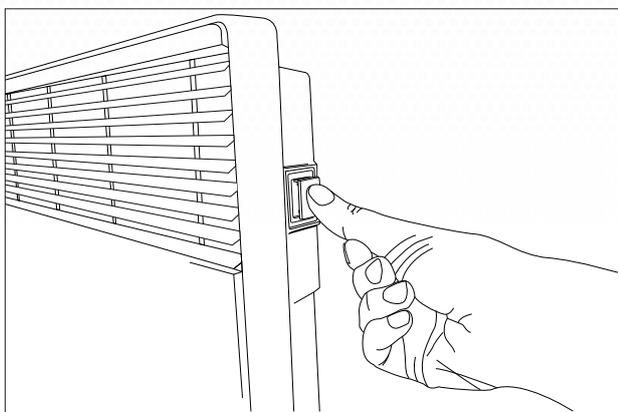


FIG:3

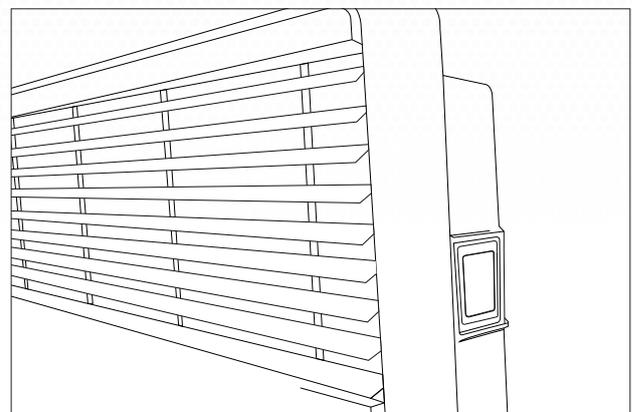
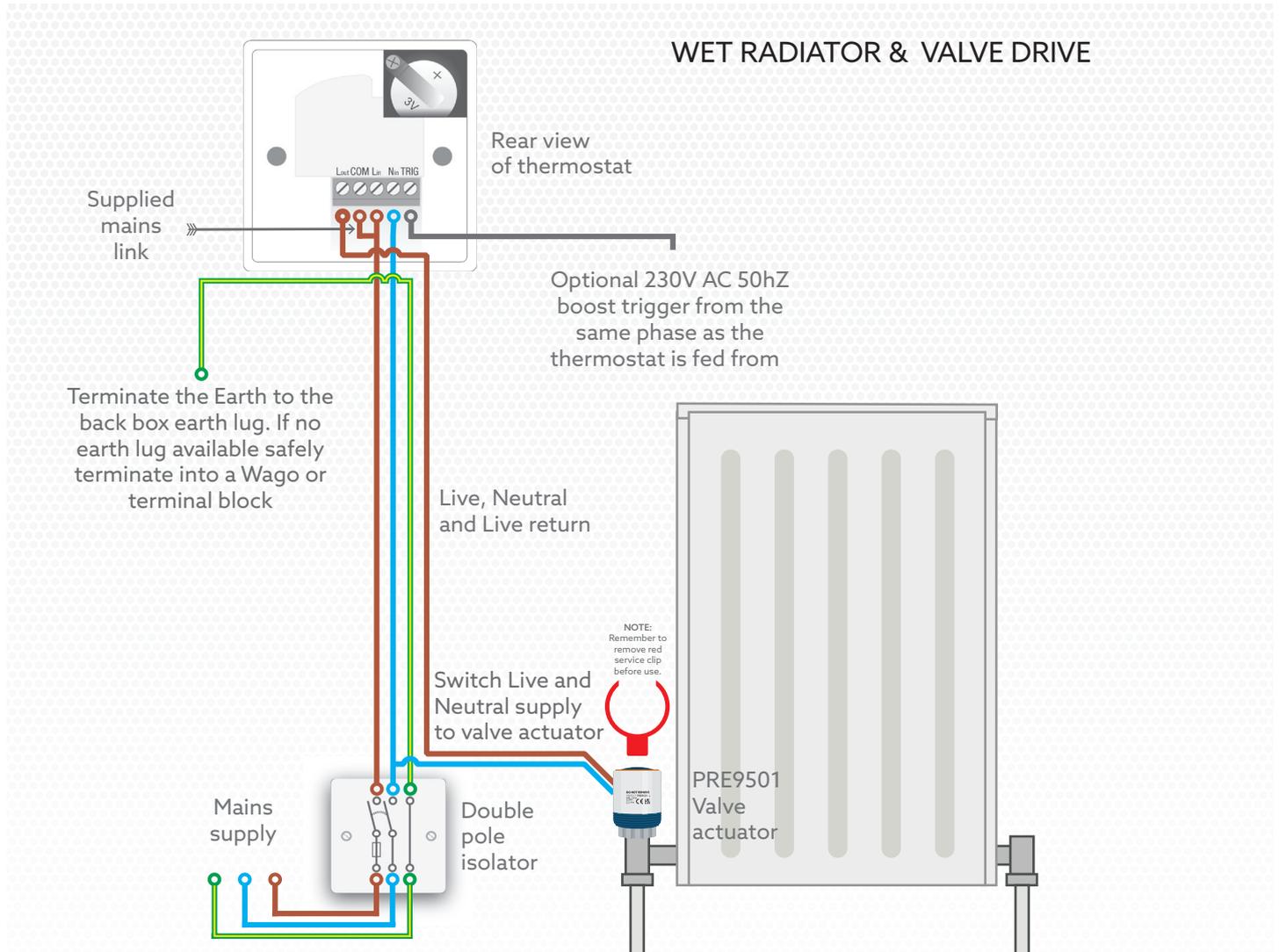


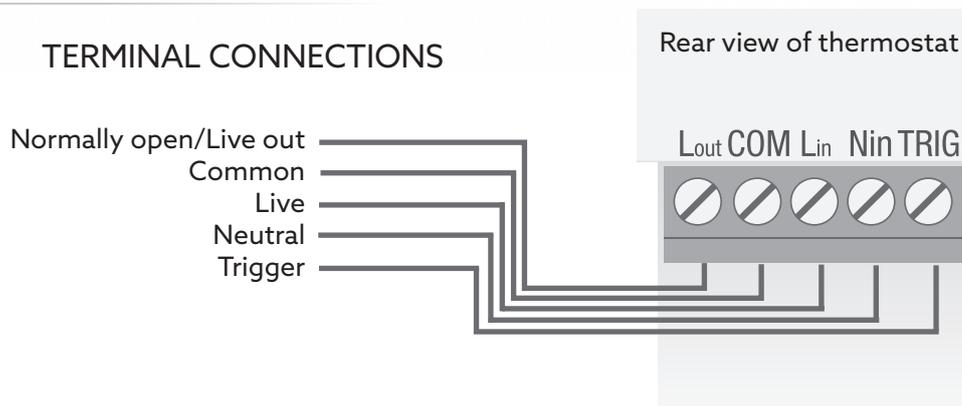
FIG:4

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Not to scale

### TERMINAL CONNECTIONS



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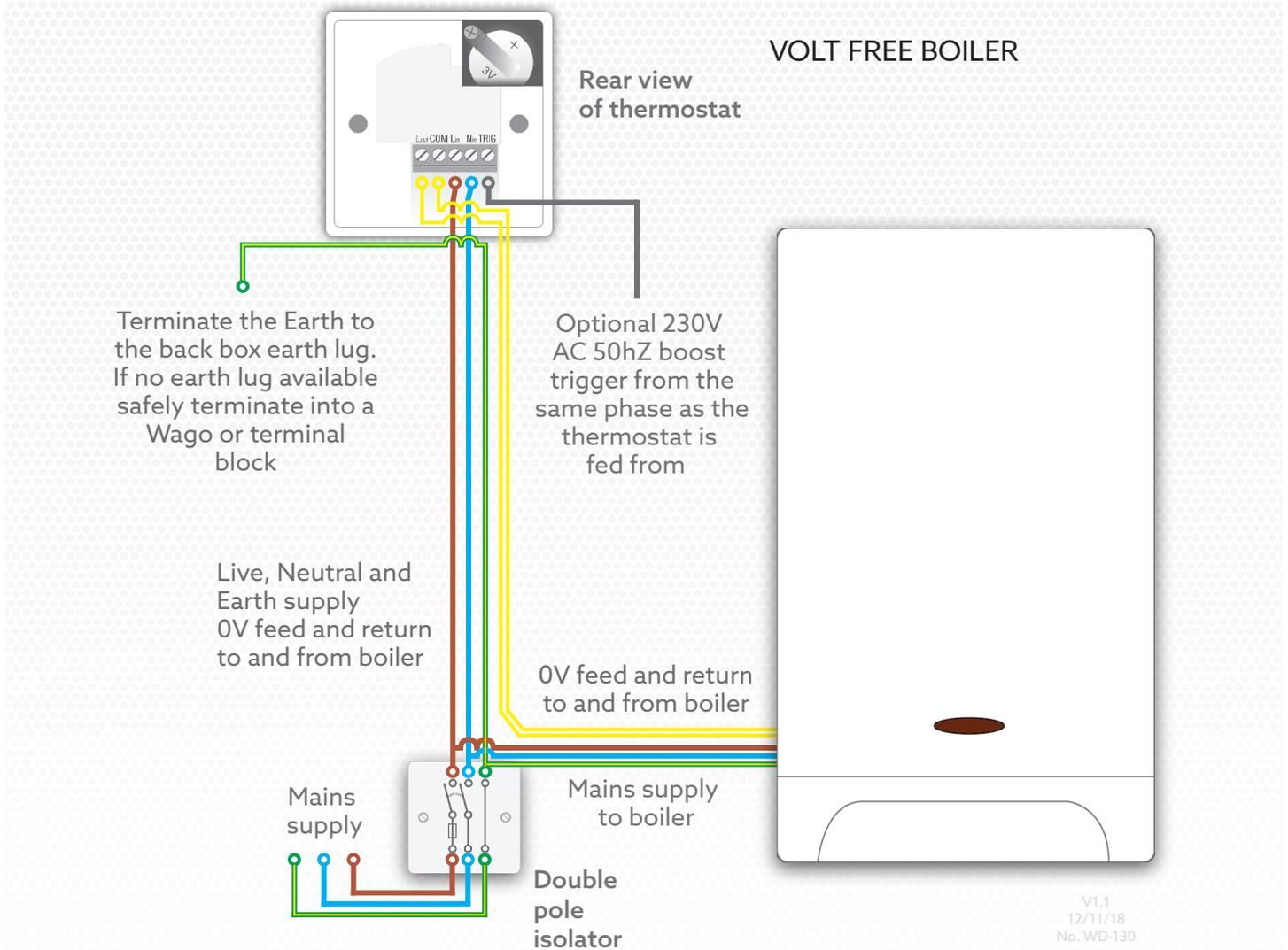
# ecostat<sup>2</sup> PRE5000 Series

Intelligent thermostats



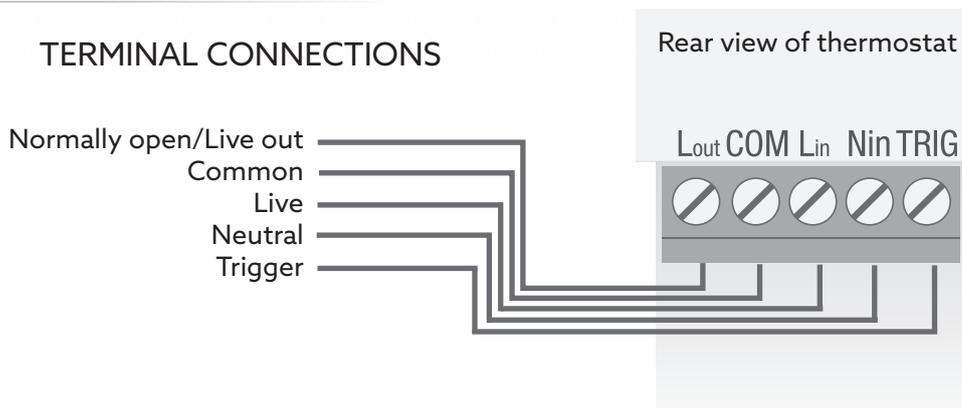
Cleverly simple control of energy.

Wiring diagram page 6 of 7



Not to scale

## TERMINAL CONNECTIONS



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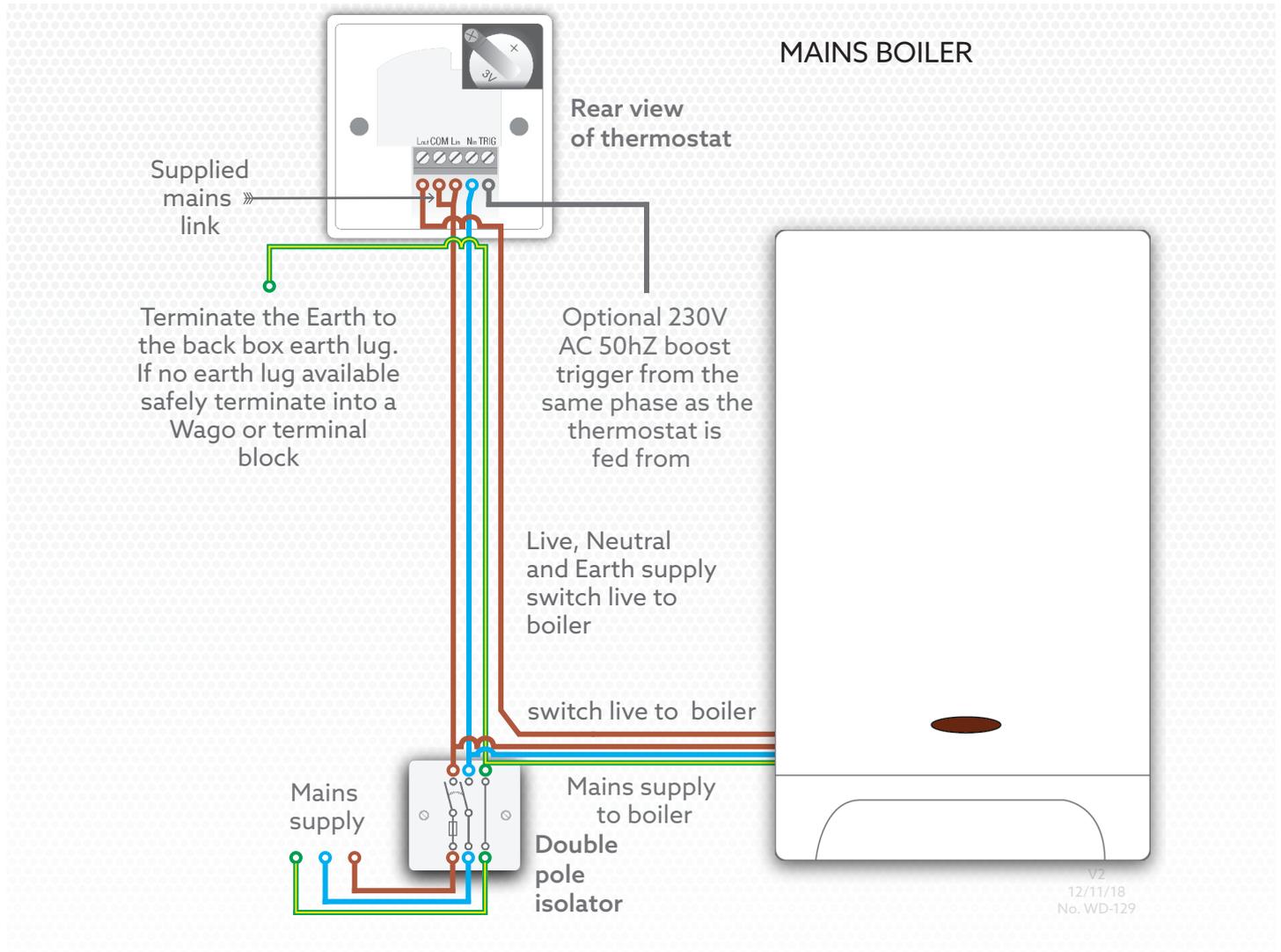
# ecostat<sup>2</sup> PRE5000 Series

Intelligent thermostats



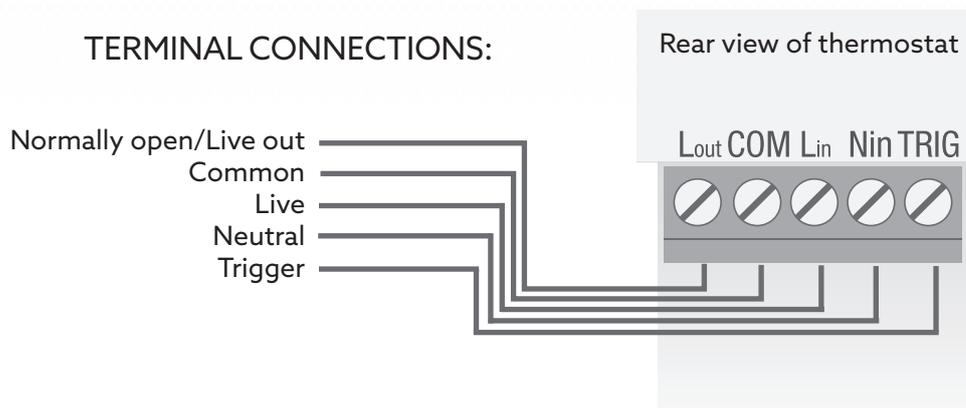
Cleverly simple  
control of energy.

Wiring diagram page 7 of 7



Not to scale

## TERMINAL CONNECTIONS:



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