

# PPCM95001 Thermostat and Remote Boost Switch Mains Boiler Wiring Instructions



## Volt Free Contact controlled boiler

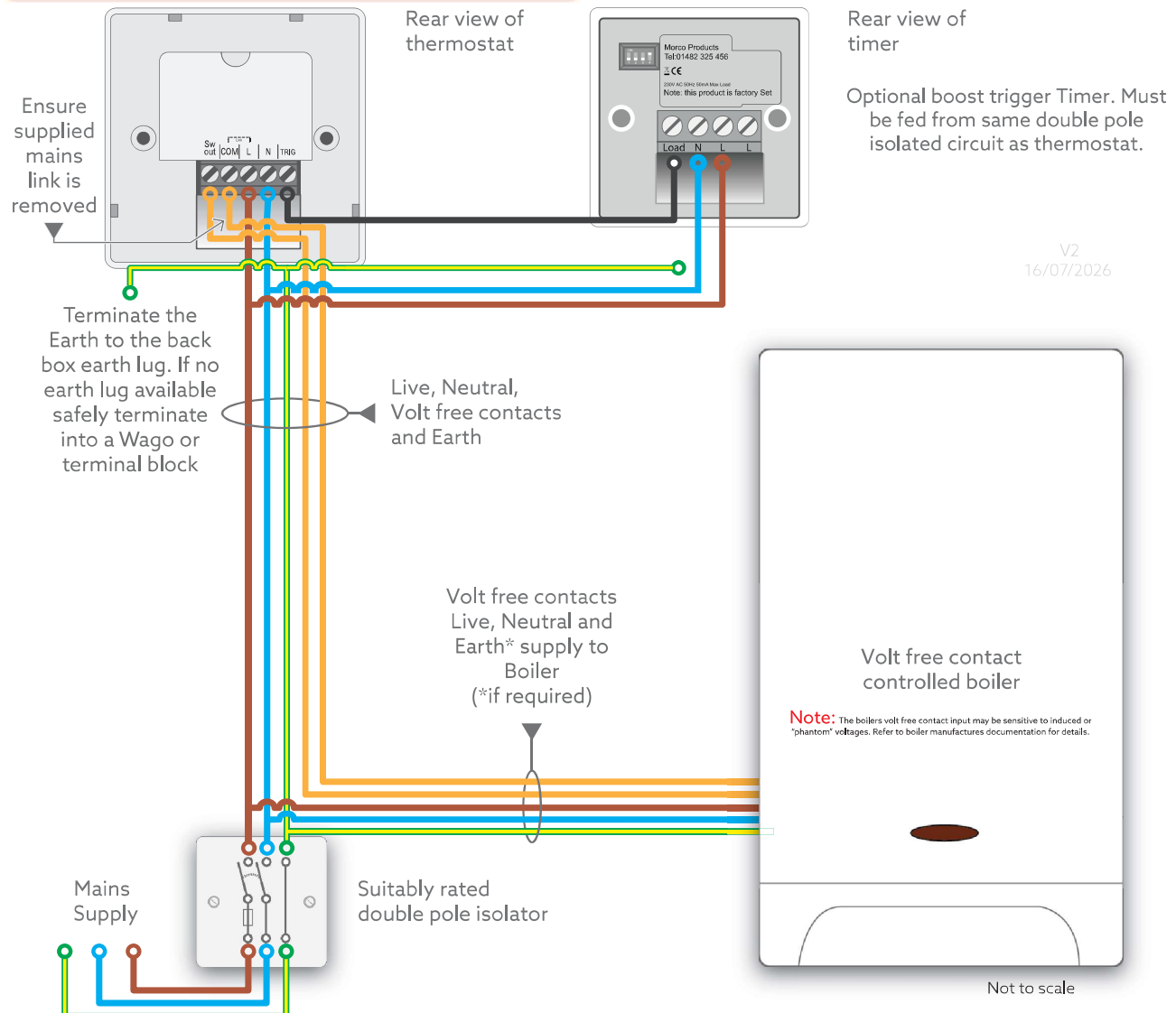
1. All wiring works should be completed by a competent person/s. Isolate the appropriate circuit that the unit is to be supplied from. Perform safe isolation procedure to ensure the circuit is completely isolated. Ensure the supply has been locked in the off position. Always ensure safe working practices.
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 unit supply, to conform with current regulations.

### Note – Induced (Phantom) Voltage:

The remote trigger input is a high-impedance sensing circuit and may be affected by induced (phantom) voltage where trigger cables are run alongside or in close proximity to mains voltage conductors. Induced voltage can cause the controls to operate incorrectly, including preventing the heating from switching off correctly or causing the heating to switch on without any user input when a bedroom controller is connected. To minimise this risk, trigger cables must be routed separately from mains voltage wiring and installed in accordance with the supplied wiring instructions.

4. Terminate the Live and Neutral supply to the unit. Ensure the supplied mains link is **REMOVED**.
5. Terminate the loads output contact cable to the common (COM) terminal. Terminate the load return cable to the normally open terminal (Sw out).
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.

**Note:** Connection methods differ between boiler manufactures, This is a typical layout and does not apply to all boiler layouts.



# PPCM95001 Thermostat and Remote Boost Switch OV Boiler

## Wiring Instructions



### Mains controlled boiler

1. All wiring works should be completed by a competent person/s. Isolate the appropriate circuit that the unit 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 double pole isolated circuit as the unit, to conform with current regulations.

#### Note – Induced (Phantom) Voltage:

The remote trigger input is a high-impedance sensing circuit and may be affected by induced (phantom) voltage where trigger cables are run alongside or in close proximity to mains voltage conductors. Induced voltage can cause the controls to operate incorrectly, including preventing the heating from switching off correctly or causing the heating to switch on without any user input when a bedroom controller is connected. To minimise this risk, trigger cables must be routed separately from mains voltage wiring and installed in accordance with the supplied wiring instructions.

4. Connect the Live and Neutral supply to the unit, note that the load Neutral must be fitted with the supply Neutral. Ensure the supplied mains link is fitted between 'L' and 'COM' terminals. Terminate the loads Live supply to the normally open terminal 'Sw out'. Ensure the link is securely fastened in both the 'L' 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.

**Note:** Connection methods differ between boiler manufactures, This is a typical layout and does not apply to all boiler layouts.

