

Technical Bulletin

Installation: Electrical Supply

ALIGNMENT ACROSS ALL DOMESTIC GAS, OIL AND HEAT PUMP INSTALLATION AND MAINTENANCE INSTRUCTIONS

This guidance supersedes all electrical supply and electrical connection sections within the installation and maintenance instructions for domestic gas, oil and Heat pump appliances. This update provides unity across all related appliances. Individual appliance manuals will be updated in due course.

Mains supply Chapter: Electrical supply

- Supply: Single phase, 230V AC - 50 Hz
- The power supply and wiring for the appliance must comply with the current applicable national and regional regulations as well as all technical rules and guidelines for electrical installations.
- External isolator fuse size for the appliance: *variable by appliance type:*
3 Amps. (Gas appliances)
5 Amps. (Oil appliances)
(Heat pump varies depending on output)
- The appliance must be earthed.
- Cable: Flexible PVC insulated cable, 0.75mm² temperature rated to 90°C, in accordance with regulations as well as all technical rules and guidelines for appliance power supply installations. For Heat pumps, this needs to be calculated by the qualified person on site.
- Any additional components that are connected to the appliance must be connected through the same isolator as the appliance.
- Additional equipment wired to the appliance must comply with the current applicable national and regional regulations as well as all technical rules and guidelines.

Electrical connection Chapter: Electrical considerations:

- All electrical work must be carried out by a competent and authorised person.
- All work must comply with the current national and regional regulations, technical regulations and guidelines for electrical installations.
- The mains electrical supply to the appliance must be through a fused double pole isolator.
- An isolator shall be situated next to the appliance for new systems and, where practicable, replacement appliances.
- Any additional components/equipment that are connected to the appliance that require 230 Volts must be connected through the same isolator as the appliance.
- External fuse: *Variable by appliance type:*
3 Amps. (Gas appliances)
5 Amps. (Oil appliances)
(Heat pump varies depending on output)
- Single phase Heat Pumps, The mains electrical supply to the appliance must be suitably fused and provided with a double pole isolator.
- Three Phase Heat pumps, The mains electrical supply to the appliance must be suitably fused and provided with a 3P+N isolator adjacent to the appliance.
- When stripping the wires, ensure copper strands do not fall into the control box.

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