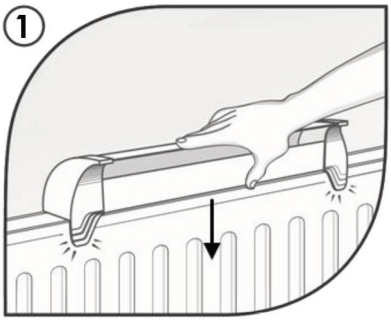
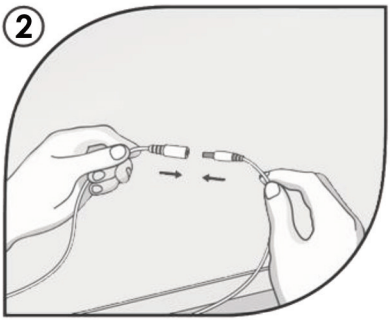
This manual is for the property Resident and/or the
Air Source Heat Pump System Commissioning Engineer

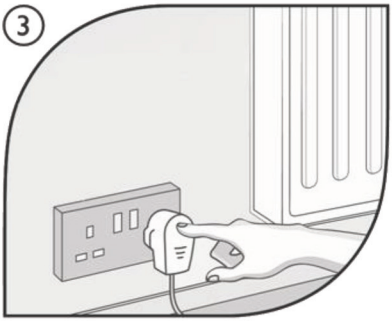
Radfan Extra Boost

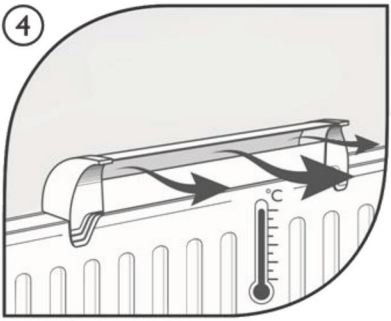
Small (3 fan) / Medium (6 fan)

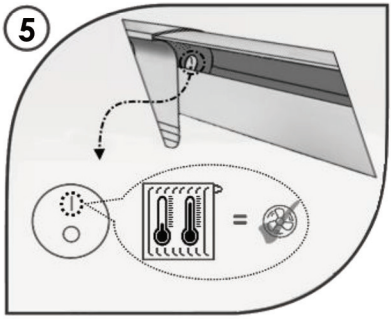
- Using Radfan Extra Boost on existing radiators is unlikely to achieve the same output performance as changing the radiators to larger surface area models, or under floor heating.
- Radfan fits all versions of traditional steel panel water filled radiators apart from single panel no fins models (which would not be anywhere near suitable for use with heat pump systems regardless).
- Switchable multi voltage outlet PSU enables you to set the fan speed via the rotary position switch on the font face of the 3 pin plug PSU, most appropriate to the room type where the Radfan Extra Boost is sited.
- Faster fan speed is recommended for main living areas where maximum heat draw off from radiators is required and where fan noise will be less noticeable.
- Slower fan speed setting is recommended for bedrooms where less heat draw off needed and lower fan noise preferred.
- Radfan cannot create heat, it can only help accelerate the transfer of whatever heat is in the system water circulating within the radiators, out into the room.
- Greater draw off speed in mainly used living areas may reduce the heat available in other rooms, as there is a finite amount of heat that can be generated by the heat pump system without using mains power (boost).
- During set up/commissioning ensure rocker switch position on the Radfan is set to summer mode position so that the fans are constantly on regardless of any heat. The summer/winter rocker switch is on the Radfan unit itself, not the plug top power supply.
- Once the desired fan speed for the room is determined the rocker switch can be changed back to winter operation, such that the fans will only come on if Radfan senses that the radiator is above 30 degrees C for approx. 5 minutes. On cold days the water temperatures in air source heat pump systems (without mains grid electricity boost being used) might be so low that the resident needs to change the rocker switch position to summer for the fans to run.
- Radfan Extra Boost can be used in the summer to provide some air circulation in the property on warm still days/nights.
- If used with an air-source heat pump system it may be necessary to switch to Summer mode to sense the lower temperature of water circulating inside the radiator.
  In this mode the fans will be on continuously and can be switched off by the user at the plug socket for periods they don't want air circulating if the heating isn't on.



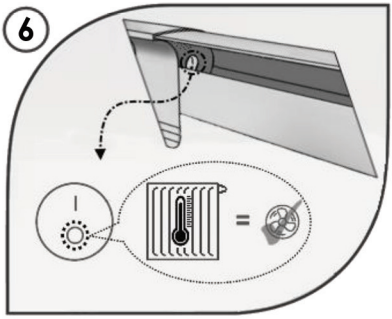




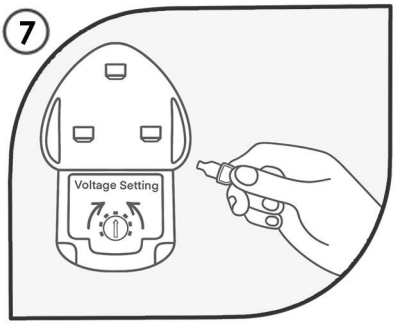


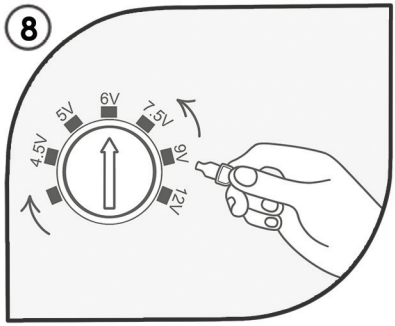


WINTER use: Fans only on when radiator warm.



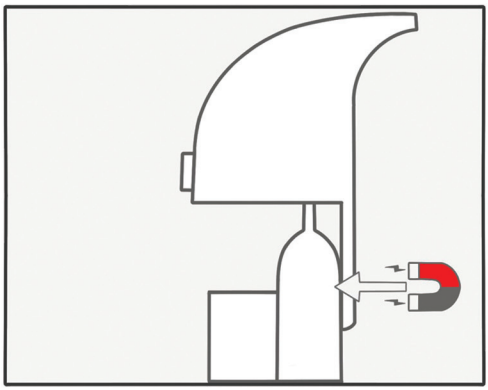
SUMMER use: Fans always on.



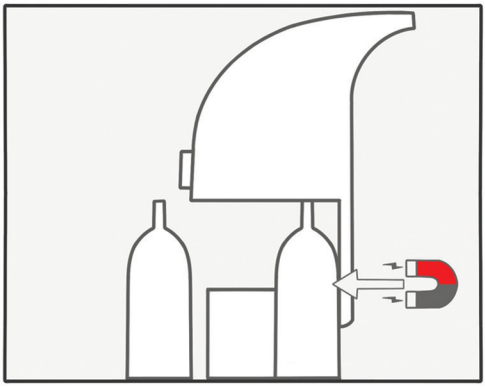


Adjust fan speed by increasing or reducing the voltage

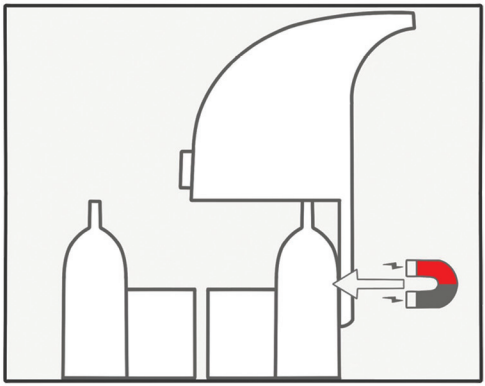
The magnetic attachment system allows fitting to the top of a wide range of steel panel radiators.
Suitable for the following panel radiators (excuding single panel no fins)



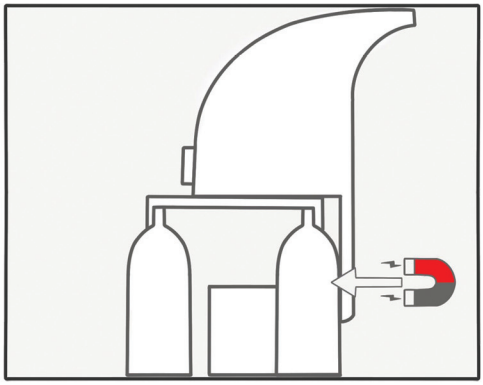
Single panel, single convector



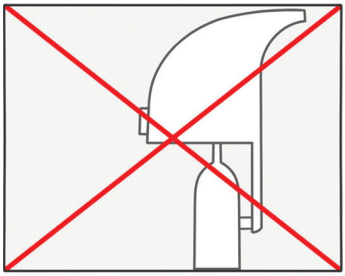
Double panel, single convector



Double panel, double convector



Works with and without grill top



Radfan does not fit single panel radiators
which do not have fins (convectors)

Application

- When mounting the Radfan Extra Boost gently push the unit down to ensure it is sitting properly in contact with the top of the radiator, as otherwise the front magnets may be holding the device away from the top of the radiator surface.
- The Radfan Extra Boost incorporates a thermostat which only allows the fans to function when the radiator is warm and the Radfan has itself reached proper working temperature.
- The Radfan Extra Boost incorporates a Summer/Winter switch allowing the user to by-pass the internal thermostat so that the fans are always on when the power supply is plugged in and switched on.

Maintenance

- Before cleaning the Radfan Extra boost always disconnect from the mains power.
- Do not use detergent or abrasive cleaning solutions, as these may damage the unit.
- Only use a damp cloth to clean the unit or dry cloth to remove any dust.

Safety Notes

- The Radfan products have been designed for use on standard UK-style water-filled steel panel radiators only – DO NOT place the appliance on any other heating device.
- The temperature at the top of your radiators must not be allowed to exceed a maximum of 75 degrees C to avoid damaging or reducing the life of your Radfan. If in doubt please test the temperature at the top of your radiators using a reputable digital kitchen meat thermometer.
- Do not use the appliance in a bathroom, shower room, wetroom or near any other water source.
- Do not use any other power adaptor other than the one provided with the Radfan.
- If the unit appears faulty do not attempt to use it and do not attempt to repair it yourself - consult your supplier for guidance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, and children must not play with the appliance.

Important

Mains Power Supply:	230v 50Hz
Transformed to:	12v d.c 1000mA
Power Usage:	3 fan model - 3W
	6 fan model - 6W

When operated at full speed on the 12v d.c setting on the PSU.

This product is designed to be plugged in to a UK power supply (230v @ 50Hz) and is fitted with a UK-style 3-pin plug.

The appliance itself runs off 12v d.c. provided by the plug-in transformer.

This product is marked according to the European Directive (2012/19/EU) on Waste Electrical and Electronic Equipment (WEEE). This symbol indicates that this product must not be disposed of with normal household waste. Please protect the environment by disposing of this product responsibly in the correct manner.

For further help and advice on this product please contact your supplier.