



Installation, Operation & Maintenance Manual

DAIKIN UK.PA604

Introduction

The UK.PA604 is a needlepoint brush type ionizer which produces equal amounts of positive and negative ions. This is effective in reducing harmful pollutants and odours.

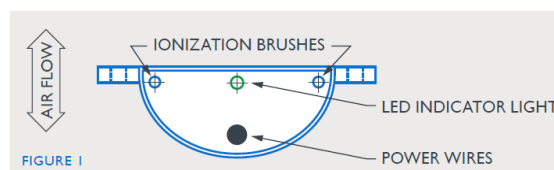


N.B. These instructions should be read in conjunction with the manufacturers literature. However where there is conflicting instructions, then this document takes priority.

Mechanical installation

1. Do not connect the electrical supply before the mechanical & Electrical installation is complete.
2. Mount the UK.PA604 in a position that allows access for inspection/maintenance (employ the location of the fan coil units return air sensor as a guide for locating the UK.PA604).
3. Mount the UK.PA604 within the fan coil unit, local to the air inlet, using the double sided self-adhesive tape provided. **N.B.** Do not use screws or nuts and bolts in conjunction with the mounting holes, as excess penetration of the fan cowl can cause damage to the fan blade, whilst penetration of the fan coil unit casing can pose an impalement hazard.
4. Recommended mounting locations can be found on separate document enclosed.

5. The UK.PA604 must be orientated such that the airflow passes simultaneously over the 2 brushes – see figure 1.
6. The UK.PA604 must be installed downstream of the fan coil unit filter.
7. When installing in a fan coil unit fitted with a self-cleaning accessory, ensure that the UK.PA604 is positioned such that it does not foul any of the moving parts of the self-cleaning mechanism.



Electrical installation

1. All wiring must comply with local regulations.
2. The supplied UK.PA604 has an inline fuse fitted to the integral power supply lead. This lead is to be connected to the incoming supply terminals of the fan coil.
3. It is recommended to route the power supply lead along the same path as the fan motor power supply cabling (where possible). Alternatively employ the same path as the return air sensor cabling. **N.B.** When wiring to a slim ducted unit, the wiring harness will need to pass through an intermediate chamber before reaching the fan coil unit electrical box.
4. Where the power supply lead follows an unsupported path, sections of the supplied double sided self-adhesive tape can be employed to secure the lead.
5. Once installed & wired, the electrical power can be applied to the fan coil unit. Ensure that the green LED indicator illuminates.

Operation

1. When power is applied, the green LED will illuminate and indicate correct operation of the UK.PA604.
2. The UK.PA604 is a self-balancing device. As such no form of adjustment is required/available.

Troubleshooting

If the unit is not working then please check the following:

1. The green LED is illuminated when 230/1/50 power is applied to the UK.PA604.
2. If the LED does not illuminate, verify that the electrical connections are correct and tight.
3. If the connections are correct, then confirm that electrical power is present at the connections.
4. Finally check the integrity of the 500mA inline glass cartridge fuse.
5. If the above are confirmed and the green LED is still not illuminated, then the UK.PA604 has failed and will require replacing. N.B. There are not user serviceable parts

Maintenance

The UK.PA604 was designed for low maintenance. At least once every 6 months inspect the following:

1. Check the integrity of the unit mounting tape, ensuring that the UK.PA604 is still firmly secured. If not, then replace the mounting tape.
2. Inspect the ionizer brushes for dust accumulation. If the brushes appear dirty then clean as follows:
 - a. Electrically isolate the UK.PA604.
 - b. Employing compressed air or a soft bristled brush clean the brushes. N.B. Avoid brushes with metal bristles as these can cause damage to the UK.PA604.
 - c. Re-apply electrical power.
3. Inspect the LED for dirt, which can make the light hard to see. If dirty, wipe the LED with an alcohol towelette.