

### Warranty:

This Panfan system is guaranteed against faulty material and/or workmanship for 12 months from the date of purchase. The obligation of the manufacturer under this agreement is limited to replacing defective parts once received by Panfan Manufacturing Ltd, Panfan Marketing, or its distributor with proof of purchase. This agreement is void if installation was not in accordance with instructions or if the unit has been tampered with or damaged by accident, short circuit, loaded beyond rating or otherwise damaged by improper operation. This warranty does not cover the filter.

### Disclaimer:

Neither Panfan Marketing Ltd, Panfan Manufacturing Ltd, Panfan Marketing Ltd nor its distributors or agents will be liable for any loss or damage whatsoever to persons or property during installation or as a result of faulty workmanship.

### Warranty Claim:

In the event of a warranty claim, we apologise for any inconvenience caused and be assured that your request will be taken seriously and as quickly as possible.

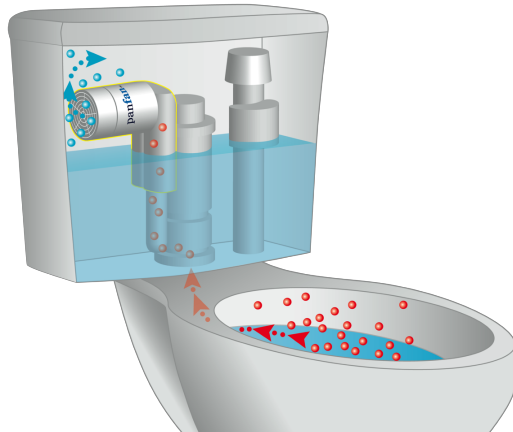
Please provide:

- 1) proof of purchase and a small description of the fault and
- 2) return the complete product to your local agent office:

Complies: CE, UL

### THIS PACK CONTAINS:

- Battery charger    Input AC110-240V 50/60Hz 0.3A  
                                  Output 9.6vdc / 1.2A
- Battery – NiMH
- Extension cable
- Odor filter cartridge
- Auto on/off sensor
- Sensor wedge set
- Sensor template
- Refill tube & bends
- Lid Risers (2x)
- Adaptors (3x)
- Inserts (4x)



For further info: [www.panfan.com](http://www.panfan.com)  
made in New Zealand by Panfan Manufacturing Ltd

Feb 2019

model PFCdcA

Model– PFCdcA <b>FAULT FINDING:</b>	
<i>Problem</i>	<i>Action Required</i>
Smell still apparent	<ul style="list-style-type: none"> <li>• Check that filter has been installed – shrink wrap removed</li> <li>• Change filter – it may be full (typically last 1 year depending on usage).</li> <li>• Check the fan runs continuously while toilet is occupied.</li> <li>• check the location of the sensor - refer 9</li> </ul> <p><b>Please Note</b></p> <ul style="list-style-type: none"> <li>• Panfan only extracts odors from within the pan. Therefore some user habits may create odor from outside the pan, which will not be extracted.</li> <li>• Check that the tank lid risers create a 4 -6mm gap under the rear of the tank lid.</li> <li>• Check that the fan intake shroud extends into water (when water level is at full) creating an airtight seal between fan and overflow pipe.</li> </ul>
Noisy Fan	<ul style="list-style-type: none"> <li>• Check fan is not touching side of tank.</li> <li>• Reposition fan, may need to use a different adaptor</li> <li>• Place foam seal between fan and tank – to stop vibration</li> </ul>
Fan will not start or stops during toilet use	<ul style="list-style-type: none"> <li>• Check that the battery is charged.</li> <li>• Check that the battery is correctly fitted – the mode LED should flash as it connects.</li> <li>• The LED will light when switch is depressed. Green is ON and red is OFF.</li> <li>• Check cable connections</li> <li>• Sensor detection range may need increasing</li> </ul>
Fan continues to run after toilet has been vacated.	<ul style="list-style-type: none"> <li>• Sensor may be detecting the toilet, a wall or some other object. A reflective surface such as a mirror may double the detection distance.</li> <li>• Remove battery and gently adjust range with small screwdriver. Clockwise will reduce the range. The adjustment screw does <b>NOT</b> rotate 360° – take care</li> </ul>

*Worldwide Patents Granted and Pending  
Panfan is a Registered Trademark of Panfan Manufacturing Ltd  
Panfan reserves the right to alter or amend specifications and designs without notice.*

*For safety, products should be installed by a competent person, in accordance with current regulations and the manufacturer's instructions.*



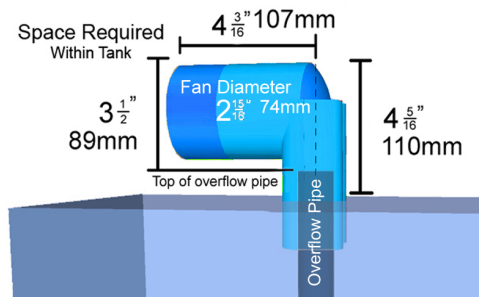
Installation Instructions  
**model – PFCdcA**

**ODORS DO NOT ENTER THE ROOM – EVER!**

*Please ensure you read and understand all instructions before installation commences*



This model fits directly onto an overflow pipe and therefore the overflow pipe must be accessible.



1. Remove plastic from the carbon filter and fit to the fan. If the tank has a water inlet valve with a float arm, swap with single sided inlet valve. e.g. Fluidmaster, Gerberit.

2. Select the most appropriate adaptor. The adaptor is designed to provide alternative locations for the fan to avoid contact with mechanism's.

e.g. fan can be mounted with overflow on the left, the centre or on the right

*Some flush valves may have an overflow pipe that are a shape that the fan shroud will fit without the need of an adaptor*

3. The adaptor may be the correct size to fit the overflow pipe - otherwise

- Select the most suitable insert to slide over the overflow pipe

- The insert creates a firm fit for the adaptor.

4. Slide the adaptor onto the overflow pipe.

5. Then fit the insert between the adaptor and pipe to make the adaptor a firmer fit.

- Note:* The insert and adaptors are split to expand over any over flow pipe cap.

6. Remove the existing water refill tube. Thread the new refill tube through the adaptor as shown.

- Ensure that the filler tube U bend is fully inserted into the overflow pipe.

7. Reconnect the refill tube to the water fill valve.

- Ensure that the tube is not creased, restricting water flow.

- Ensure the refill tube does not interfere with any tank trim function.

8. Place the Panfan over the adaptor and slide adaptor into fan shroud fully until flush.

- Ensure that it does NOT touch or interfere with the flushing mechanisms.



9. Place the **tank lid risers** on the top rear edge of tank approx 250-300mm apart – this will create a (4-6mm) gap to allow for the filtered air to escape from the tank.



## Sensor

### Sensor characteristics

- This a motion sensor.
- The sensor looks for an object every 3-4 seconds. If an object is detected, the fan will run until non-detection occurs. If it does not detect an object, then the fan will stop / fail to start.
- Detection is in a straight line of sight only.
- The mode LED indicates the switch setting.  
Auto mode – GREEN                      Off mode - RED

*Please Note:* The sensor will detect a bright hard, reflective surface at a greater distance than a dark, soft, non reflective surface.

### Locating the Sensor

1. **Important:** The adhesive tape will take up to 24 hrs to cure and the battery should not be fitted earlier. Screws can be used if required.



2. Sensor may be fitted on either side of the tank but usually on the same side as the fan.

3. Measure from the floor to the top of the lowered toilet seat lid and add 50mm.

4. Use this measurement, and lightly mark the height on the wall beside the tank.



5. Hold the "sensor location template" against the wall at the marked height, and slide template towards the toilet until it comes into contact with the raised toilet seat. Mark as indicated by the template.

*Please Note:* The template projects the angle of detection. If the sensor is fitted closer to the toilet than template indicates, the fan may run continuously.

6. The wedge will angle the sensor towards the toilet. Accordingly, determine the side of the wedge the sensor will fit against and fit guide dowels into the wedge. (long side out)

7. Expose the adhesive on the rear of the sensor and fit wedge making sure that the sensor will be angled to view the toilet

8. Attach adhesive tape to the wedge for fixing to a suitable wall surface such as dry, clean ceramic tiles.

**Important:** remove cleaning product residue from tiled wall. For wall paper or timber surface, screws should be used.

## Battery

### 9. Battery Charging

- Remove the battery from sensor (slide up) and connect to the charger
- Please Note:* Only use the charger supplied.
- The charger LED will glow RED while charging and GREEN once fully charged (up to 8 hours)

## Operation

1.0 The sensor will start the fan automatically when it detects the presents of a user.

Depressing the switch will turn the fan on/off. If off is selected the sensor will resume auto mode after 4 minutes.

2.0 With the battery removed, the range adjustment screw can be accessed to gently adjust the sensing distance. Clockwise will reduce the range.

**Important:** The adjuster has a maximum ¼ turn and may be damaged if forced beyond it's limit.



*Ensure the protective film on sensor lens is removed.*

3.0 The Battery LED will glow on the sensor when the battery requires charging.

4.0 Filter LED will glow when the filter requires changing. Once a new filter is fitted, depress and hold the switch in until the LED flashes. (will take 9 seconds approx)