

Demand better air distribution

Install Holyoake ECO ceiling diffusers
A revolution in efficient air management



✓
Increased comfort on cooling and heating

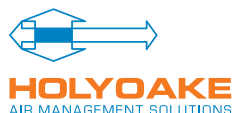
✓
Replaces existing inefficient outlets

✓
Create a healthy indoor environment

✓
Volume control for custom air distribution



* Please refer to our website for Carbon Offset details.



The world's first low cost design system for total air management.

With increasing demand for residential and light commercial air conditioning systems and demand for better performance from these systems, Holyoake Industries have developed a very simple but very sophisticated ceiling outlet.

Convection Currents

In any building we experience convection currents in the room air whether the room is air conditioned or not. We will see cooled air sink to the floor, whilst warm air will rise. The art of air distribution management is to utilise the convection currents to assist the air conditioning system.

Unique Power Coil

The patented ECO diffuser uses a low cost power coil of bi-metal operating on an internal damper in the outlet to achieve the result we need.

The power coil contracts when cooled by cooled conditioned air and shuts the damper. The conditioned air passes to the outer rim of the outlet. It is then directed across the ceiling and drops down the walls to counteract and mix with the upward convection currents in the room. This achieves a rapid mix of the room air and the conditioned air without causing draughts.

When warm air is supplied to the outlet the power coil expands and opens the damper allowing some of the conditioned air to be directed downwards to the floor where it can mix with the cooler convected air dropping off the windows and outer walls. This then provides us with a much better air distribution system. The effect is to lower the temperature difference between the floor and the ceiling, which in turn provides the room with total comfort at a lower average temperature. In turn, a lower average temperature results in positive energy savings.

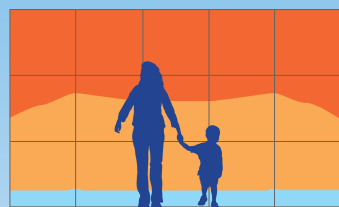
Your Authorised Airconditioning Specialist

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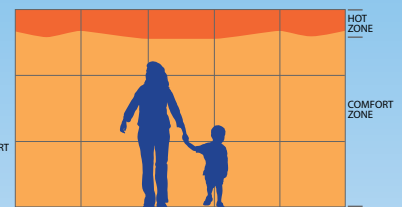
The art of air distribution management is to utilise the convection currents to assist the air conditioning system. The ECO outlet achieves a rapid mix of room and conditioned air for more uniform comfort without draughts.



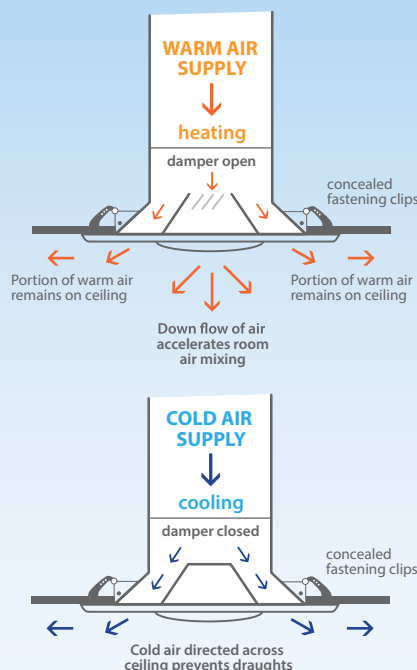
60 Minutes Heating



Comparable other diffuser



Eco Outlet Diffuser



The ECO outlet features & benefits

- ✓ Fully automatic requiring no additional control system and no external power or energy consumption.
- ✓ Equipped with an override system, which allows it to be locked into either the cooling or heating mode.
- ✓ The design allows setting of the inner cone to provide volume control, for system balancing.
- ✓ It has a concealed fastening system for simple installation.
- ✓ It has a locking system to allow its use in a return or exhaust application.

www.holyoake.com

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AIR MANAGEMENT SOLUTIONS

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