

# The Unico System

Small Duct Heating, Cooling and Ventilation



July 2016

## Case Study - Tithe Barn Historic Property



## Background

Quantum Group were approached by the owners to provide a heating only solution for all rooms on the Upper Floor that would not compromise the architectural integrity of this historic building.

Due to the age and construction of the property, the installation of a conventional heating system was not possible and the owners wanted to maximise the limited wall space available for furniture.

After researching "Warm Air" systems, they found the Unico System and contacted Quantum Group, the UK's sole distributor, to provide a design and solution for heating the Upper Floor of the property.



Discreet Air Comfort...

## The perfect heating solution for architecturally significant homes

*"We are extremely impressed with how quickly the system heats the rooms on a cold day. The outlets are discreet and provide a very even room temperature, they have also allowed us to maximise our wall space for furniture..."*

- Ed Cyster



Discreet round outlets compliment the interior space.

## Solution

A 14kW Unico System is installed throughout the loft area to provide heating to three bedrooms including the Master Suite, Hallway gallery and a small annex with an additional bedroom and Kitchenette. The flexible supply ducts connected to discreet, ceiling mounted outlets provide the perfect comfortable environment to the entire Upper Floor.

The Unico System is connected to a Panasonic Air to Water Heat Pump which provides energy efficient heating whilst at the same time allowing the owners to benefit from the Renewable Heat Incentive payment scheme.

The system provides individual temperature control to five separate zones with variable speed operation.

The Unico System EC fan motor along with the heat pump provides extremely low running costs in this off-grid location.

## Benefits

- Even temperatures across the rooms
- NR20 Sound Level Rating. Very quiet
- Zone control options
- Discrete supply outlets
- Flexible design and installation
- EC Variable Speed Control

## Summary

Installation Date:

**September 2014**

Contractor:

**Excel Cooling Services Ltd**

Unico System:

**14kW with Hydronic Coil and 30 room outlets**

Energy Source:

**14kW Panasonic Air to Water Heat Pump**

Controls:

**5 x Jackson Systems Room Thermostats and Dampers,**

**1 x Zone Control Panel**

Distributed by: **The Quantum Group**

Telephone: **01708528240**

email: [sales@thequantumgroup.uk.com](mailto:sales@thequantumgroup.uk.com)

web: [www.thequantumgroup.uk.com](http://www.thequantumgroup.uk.com)

[www.unicosystem.co.uk](http://www.unicosystem.co.uk)

