

Ref: HC161

## **HONEYWELL INTRODUCES “CM ZONE”, THE MOST RADICAL HEATING CONTROL CONCEPT IN 30 YEARS**

*Wireless controls are easy to install, yet can reduce fuel costs greatly in  
new and existing heating installations*

BRACKNELL, UK, 28<sup>th</sup> January 2004 – Honeywell has launched a radical new heating control system which is simple to install, yet enables homes and small commercial buildings to make huge energy savings while greatly improving comfort and convenience. Honeywell’s “CM Zone” can greatly reduce fuel costs greatly, as energy is used only where and when needed to maintain a set temperature. It is suitable for new and existing heating installations.

Despite its comfort and energy advantages, CM Zone is cheap and simple to install because it uses wireless radio links to transmit two-way temperature and control information between components throughout the home or building.

CM Zone splits the heating system into separate zones and uses safe low power radio links from a central unit to wireless controllers on every radiator valve, which adjust automatically and individually to deliver the desired temperature. The controllers use self-learning fuzzy logic to ensure heat is delivered only where and when energy is needed to maintain the temperature. Each radiator controller sends a wireless signal to a boiler controller which fires the boiler only when heat is called for, providing an energy-saving boiler interlock.

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*Editors: Can we help you by emailing this release and accompanying photos?*

## 2-Honeywell CM Zone

CM Zone can adjust the temperature in each zone automatically during the day – and to a different time/temperature pattern for each day of the week if required – to save even more energy. There are up to six time/temperature settings per day for each heating zone.

In the simplest installations, CM Zone controls and automates two zones serving the bedrooms and the main living areas of a home, but zoning can be applied to individual rooms if required to maximise energy savings. Typically, higher temperatures are maintained in parts of the building occupied at that time of day, while other rooms are maintained at lower, more economic temperatures.

Each zone operates independently, so the system does not waste heat by pumping hot water needlessly to unoccupied parts of the home, where it may be doing no more than heating the pipes if there is no call for heat from the radiator controllers.

Time and temperature programming for the whole system is easily set on the central controller, located in the main living area. The preset temperatures and times can be simply overridden when necessary. The unit is designed to be very simple to use despite its versatility, so householders will find it simple to increase their comfort while reducing heating costs, conserving energy and cutting emissions of greenhouse gases.

With CM Zone there's even an automatic open window detection function. If a room's windows are opened, its radiator controller closes the valve automatically.

### **Fundamental change**

Honeywell says that CM Zone is the most fundamental development in central heating controls in three decades. Most installations today are based on the “S Plan”, “Y Plan” and their derivatives – the “Sundial Plans” introduced by Honeywell and adopted as standard practice by the heating industry over 30 years ago. Despite many advances in components – thermostats, programmers and valves – the controls layout did not change in the 30 years before the launch of CM Zone.

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### 3-Honeywell CM Zone

CM Zone's modular design allows a system to be extended to meet future needs. Being wireless, its modules can be fitted to existing heating systems to increase comfort levels and save energy.

For details call free on 0800-521121, email [literature@honeywell.com](mailto:literature@honeywell.com), visit [www.honeywell.com/uk/homes.htm](http://www.honeywell.com/uk/homes.htm) or write to: Honeywell Comfort Controls, Honeywell House, Bracknell, Berkshire RG12 1EB.

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#### Note to Editors

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