



## **Beyond lighting control**

Home automation systems are at the heart of the modern property, ensuring comfort, safety and security....

now and in the future.

Technology now allows the property owner to have far more control over the space that people live and work within. Surroundings can be more comfortable with MK Astral™ advanced lighting controls which react to what is happening and how you wish to use the space. Affordable security systems bringing high quality CCTV solutions into the home or office; integrated music storage; high quality Home Theatres; wireless networks linked to laptops; smartphone's and iPads are all now an every day feature of people's lives. The challenge is to make sure that the system that is in place to control all of these devices is easy to install, set up and use; fully controllable from any location and flexible enough to ensure that the system can maintain its integrity whatever the future may throw at it.



**The Dianemo® System, integrated with MK Astral advanced lighting controls, offers a cost effective, future proof, flexible home control system that can be integrated into any internal or external space, along with a host of other products and services.**

Incorporate MK Astral advanced lighting system into the Dianemo system and dramatically increase the capabilities of the property's lighting control system and energy management programmes

- Control any light from any point in the property – or control one or all lighting elements remotely using all the Dianemo control options
- Control the mood of the property or a single room with lighting groups and scenes which create a variety of scenarios
- Simulate occupancy using easy to operate lighting programmes, at the push of a button repeat the last 24 hours activity within the property

#### **The Dianemo system allows easy to use control of even the most sophisticated home entertainment equipment**

- Multi-channel TV record/view/listen (up to 72 TV channels and all radio channels) on FreeView or FreeSat;
- Integrated DVD and music storage compatible with all on line music sources with multi site output around the property (individually location programmable)
- Photo and video storage and replay through any TV or computer screen; every screen in the Dianemo system becomes a digital photo frame!
- Remote control of multiple TV and Radio recording devices (Sky Plus and TIVO)

#### **Security control is fully integrated into the Dianemo system**

- Remote control (and interrogation of) internal and external security CCTV and Alarms (watch CCTV output remotely over any available computer network).
- Motion sensor capability with security alerts broadcast to your mobile phone or networked PC device (anywhere in the world)
- Complex security solutions can now be placed at the heart of the property control system. Control Alarm setting remotely

#### **Control the room environment from wherever you are**

- Smart wireless environmental controls can be integrated within the Dianemo system allowing control of timing and temperature from anywhere in the property

- Offsite control via the buildings computer network is possible allowing environmental controls to be adjusted when your circumstances change
- Heating and air conditioning themes can be designed alongside lighting themes

#### **Access your Dianemo system from anywhere at any time**

- Control the Dianemo system from a 'smartphone' (iPhone; iPod Touch and Android devices)
- Interact with the Dianemo system wirelessly from your PC; laptop; android tablet or iPad
- Wired or wireless touch screen controls easily retrofitted around the property
- Control the Dianemo system using any television in the property
- Adds an integrated VoIP telephony system to the property which can interface with door and gate entry systems



# Future proof your home automation

The Dianemo system works with a wide range of communication protocols, IP, Z-Wave, RS232, RS485, infra-red (IR\*) and WiFi.

'Media Managers' control all aspects of the Dianemo system and these can be easily added into any new device allowing easy control of all new equipment.

The system architecture is designed to easily accommodate new technologies as they come along.



# Dianemo and MK Astral - Easy to use, Easy to Install.... all you need to know

## **The Dianemo Nerve Centre:**

The Dianemo Nerve Centre is the central hub of a Dianemo system and runs the applications and services needed for the other devices in the network to communicate. It houses the central processor and a minimum of 2TB of data storage (enough for around the equivalent of 300 DVD's or 240,000 MP3's or 900 hours of TV). The Dianemo Nerve Centre also provides the optional interfaces for communicating with all other control protocols (IP, Z-Wave, RS232, RS485, IR and WiFi) and houses the central database of commands needed to control third part devices.

## **Media Managers:**

Media Managers are needed to provide an audio/video zone wherever you want to watch TV recordings or play DVD's & MP3's. Each Media Manager is specified depending on the requirements of the area they are to support and can be anything from a simple small low power device capable of being hidden behind a TV up to a dedicated Home Theatre machine with local Blu-ray disc playback. The choice depends on customer requirements and specifications.

## **MK Astral Z-Wave Interface:**

The MK Astral Z-Wave Interface provides a two way communications interface to MK Astral Z-Wave products.

## **Lighting and Blind Control:**

Install the sophisticated and inspirational MK Astral advanced lighting system and create reactive to presence lighting schemes; pre-plan lighting themes, create lighting groups and scenes for a variety of scenarios to create different moods; simulate occupancy as a standard security feature; automatically react to external light levels for energy savings; and easily control lighting and blinds from anywhere in the property. Remotely operate your lighting via the Nerve centre.

## **Security Equipment:**

IP cameras and alarm system integration interfaces. IP security cameras are managed by the Dianemo Nerve Centre and are viewable at any Media Manager and iPhone/iPad/iPod Touch. Integration with the Honeywell Galaxy alarm system provides an easy touch interface on your iPhone/iPad or iPod Touch to set pre-set alarm scenarios.

## **HVAC Equipment:**

IP or RS232 control of HVAC systems provides the ability for you to have a touch interface on your iPhone/iPad or iPod Touch to set room heating or cooling.

## **AV equipment:**

Any AV equipment, (TV's, amplifiers, Sonos) with IP or RS232 or IR\* interfaces can be controlled by the Dianemo Nerve Centre to allow remote control (on/off, volume up/down, input switching etc) from your iPhone/iPad or iPod Touch.

## **Cabling Requirements:**

Cat5e or Cat6 for data cabling for Dianemo devices.

## **Entertainment:**

Watch DVD Films; Downloads; Free to Air Satellite and Sky (dependent on your contract) in every room with a television Listen to Radio (broadcast and internet); CD's; and music downloads in every room View home movies and personal photographs on any television or computer screen. Turn any Dianemo control device into a digital photo frame when not in use.

## **Security:**

Control external and internal security systems through the nerve centre and broadcast the CCTV Images to any screen in the property. Include remotely armed PIR Sensors into your security system Arm and disarm the security system remotely through the Dianemo controls View the security status on any screen or remotely through your laptop; smartphone or table PC Integrate a Door entry system into the security system.

## **Environmental controls:**

Control heating and air conditioning from anywhere in the property; set timers & temperature levels in different areas in the property and remotely activate through the external link to the Nerve Centre.

## **Communications:**

Access the Internet from any screen in the property. Easily provide an internal voice/video intercom system and link into internet based telephony (VOIP) from anywhere in the property.

## **Controls:**

The Dianemo system is easily controlled across the property from any iPad or Android tablet; smartphone (iPhone & android smartphone); iPod Touch; laptop or desk PC.

\* IR control is restricted to the capabilities of the device to be controlled.

## **MK Electric**

### **UK**

The Arnold Centre, Paycocke Road,  
Basildon, Essex, SS14 3EA,  
United Kingdom  
Customer Services Tel 01268 563404  
Customer Services Fax 01268 563405  
E-mail [mkorderenquiries@honeywell.com](mailto:mkorderenquiries@honeywell.com)

### **Technical**

Tech Helpline Tel 01268 563720  
Tech E-mail [mk.technical@honeywell.com](mailto:mk.technical@honeywell.com)

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

### **Reference UKMK288-0911Aen**

September 2011-09-12

© 2011 Honeywell International Inc.

MK Astral is a registered trademark of Novar ED&S Limited

Z-Wave is a registered trademark of Zensys Inc. and / or its subsidiaries.



by Honeywell