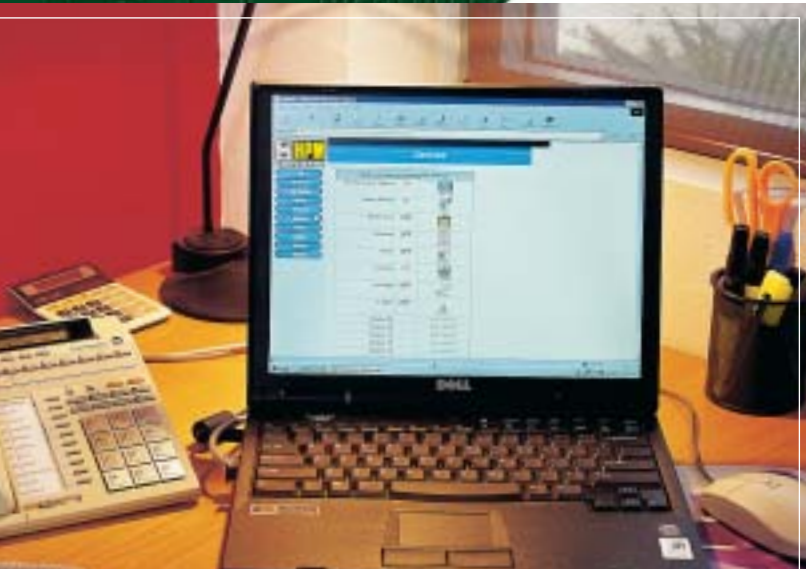


## Networking & Control



Flexible communication and control iCONTROL networking offers several streamlined ways to communicate with other systems through options such as digital, analogue and RS232 interfaces. The system's ability to receive external signals allows it to control, monitor and interact with a variety of systems like garage doors, louvres, moisture sensors, temperature sensors and most other devices likely to exist in a commercial or domestic environment.

The system can also interface with Internet Gateways for remote control and for the monitoring of security systems and cameras via the Internet.

iCONTROL devices are powered by Echelon® technology. This well established technology, purpose designed for automation and communication protocols, is widely used around the world. Integration with third party systems like security, access control or BMS (building management systems) can easily be achieved.

iCONTROL networking capabilities can provide seamless communication with sophisticated graphical user interfaces such as touch screen control panels (pictured), personal computers, PDAs (personal digital assistants), and internet applications. iCONTROL can quickly adapt as technology changes guaranteeing a long term solution for automation requirements. Infra red receivers built into multi functional iCONTROL devices can be used to transmit messages across the network bus, for example in audio visual applications.



iCONTROL's networking and control features were designed with the user and installer in mind. Users have been given simplicity and practical solutions for day-to-day operation.

Logic driven menus, simple programming and the ability to add to the system at any time makes iCONTROL a natural choice for installers.

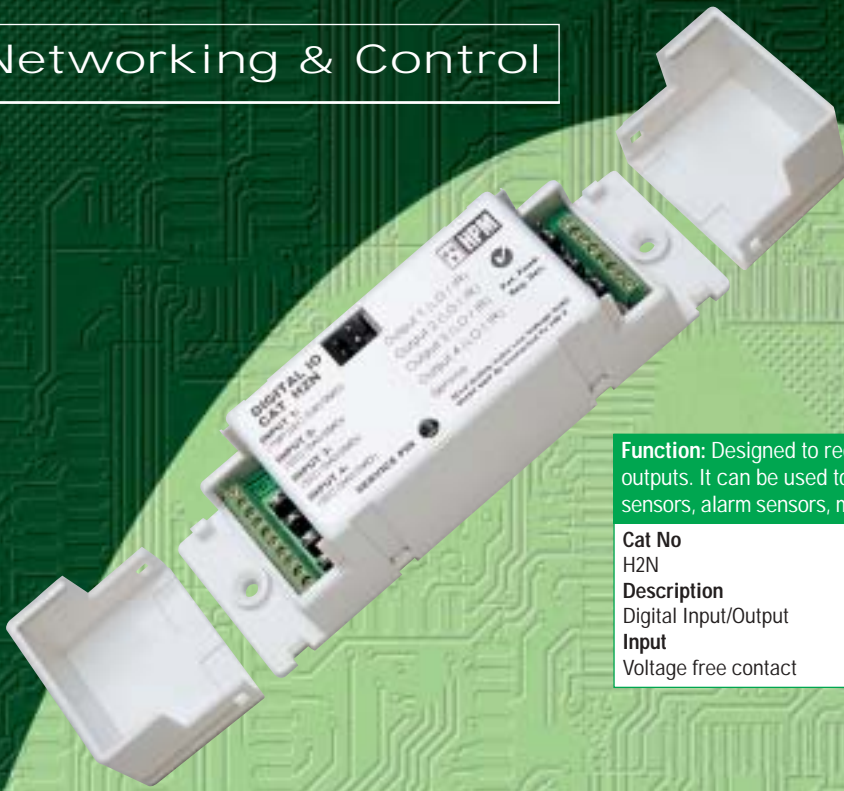
Bus cabling (the network backbone) can be 240Volt figure 8 flex or Category 5 giving complete freedom of choice. Cabling is not polarity dependent and figure 8 can be installed with other mains power cables without the need for segregation. Devices are connected to the bus using a unique insulation displacement connector saving time and improving installation quality.

The system's networking and control functions are fully integrated with lighting, security and other automated controls providing a total solution for the intelligent building.



**iCONTROL™**

# Networking & Control



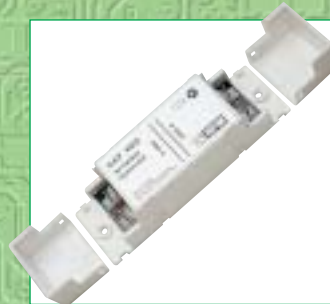
**Function:** Designed to receive 4 digital inputs and command 4 digital outputs. It can be used to interface with smoke alarm, digital temperature sensors, alarm sensors, monitored lines, and infrared remote control devices.

<b>Cat No</b> H2N	<b>Output</b> Solid State Relay (50V max)	<b>Installation</b> Surface Mount
<b>Description</b> Digital Input/Output	<b>Load Current</b> 100mA (max)	<b>I/O Functions</b> Jumper selectable
<b>Input</b> Voltage free contact		<b>Dimensions</b> 45x150x40



**Function:** Used to interface with third party security systems.

<b>Cat No</b> H2U1	<b>Connector Type</b> DB9F
<b>Description</b> Serial Interface D	<b>Interface Type</b> RS232
<b>Baud Rate</b> 4800	<b>Dimensions</b> 50x90x16



**Function:** Optically isolated network repeater used to link sub-networks and to condition Bus signals.

<b>Cat No</b> H2Z	<b>Isolation</b> 3500 VA RMS 1min
<b>Description</b> Network Repeater	<b>Mounting</b> Surface mount
<b>LED Indicator</b> Power and Bus activity	<b>Dimensions</b> 45x150x40



**Function:** Stand alone device, used to interface with third party devices like touch screen displays.

<b>Cat No</b> H2U	<b>Connector Type</b> DB9F
<b>Description</b> Serial Interface	<b>Interface Type</b> RS232
<b>Baud Rate</b> 4800	<b>Dimensions</b> 50x90x16



**Function:** Multi purpose device used for remote diagnostics, data logging, programming and PC software.

<b>Cat No</b> H2S	<b>Installation</b> Surface mount
<b>Description</b> 2-channel serial control module	<b>Connector Type</b> 2 x RJ45
<b>Baud Rate</b> up to 38.6 KBps	<b>Protocol</b> RS232



**Function:** Three-button keyring weather-proof transmitter used to remotely control any function on the system.

<b>Cat No</b> H2J	<b>Encryption</b> Rolling Code
<b>Description</b> RF Transmitter	<b>Range</b> up to 20m
<b>Frequency</b> 433MHz	<b>Dimensions</b> 59x36x12



**Function:** Radio Frequency Receiver used to receive encrypted signals from up to 7 RF remote transmitters.

<b>Cat No</b> H2R	<b>Encryption</b> Rolling Code
<b>Description</b> RF Receiver	<b>Range</b> up to 20m
<b>Frequency</b> 433MHz	<b>Dimensions</b> 45x150x40

**iCONTROL™**