

Energy Management



Saving effort in saving energy
The largest contributors to energy consumption in commercial and residential buildings are often lighting and HVAC (air conditioning). The efficient control of these and other electrical systems within the building consistent with prevailing environmental conditions can make a significant contribution to lowering energy consumption and cost.

iCONTROL provides total programming flexibility. Timers, movement detectors, lux sensors, temperature monitors and other sensors can be programmed to automatically control devices like louvres, blinds, HVAC, floor heating and other electrical appliances to minimise energy use and gain maximum advantage from natural factors such as light.

Devices can be programmed to use off-peak rates, adding to energy cost savings. Air conditioning can be controlled according to the presence of people and the effect of external temperatures, again minimising unnecessary energy use.

iCONTROL™

Micro-control of work environments is possible where lighting and air-conditioning functions are tailored precisely to localised needs and can be readily adapted to meet changing circumstances.



iCONTROL can help to manage water consumption. Using timers and inputs from sensor devices garden irrigation functions can be regulated to maximize the effectiveness of water usage.

iCONTROL energy management and conservation functions are fully integrated with lighting, security, networking and other automated controls providing a total solution for the intelligent building.



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Function: User interface and programming centre for the system. Includes a range of in-built features such as scene control, system timers, security functions, real time clock, installation and diagnostics tools.

Cat No H2A	Connector RJ45 for RS232 interface	Installation Bracket mount
Description Control Panel	Security Tamper switch	Dimensions 114x70x11
Interface 4 x 20 character backlit LCD	Backup Battery CR2032 3V Lithium	



Function: Multi-functional device includes temperature, light and movement sensor.

Cat No H2G1	Detection Range 10.8m
Description Indoor Occupancy Sensor	Detection Angle 110°
Detection Method Passive Infrared	Dimensions 70x67x62



Function: Multi-functional outdoor device includes temperature, light and movement sensor.

Cat No H2G2	Detection Range 10.8m
Description Outdoor Occupancy Sensor	IP Rating IP55
Detection Method Passive Infrared	Dimensions 141x84x88



Function: Designed for 4 digital inputs and command 4 digital outputs. Interfaces with a wide range of sensors.

Cat No H2N	Output Relay (50V max)
Description Digital Input/Output	Load Current 100mA (max)
Input Voltage free contact	Dimensions 45x150x40



Function: Ceiling mount multi-functional indoor device includes temperature, light and movement sensor.

Cat No H2G3	Detection Range 7.6m to 12.3m diameter
Description Indoor Occupancy Sensor 360°	Detection Angle 360°
Detection Method Passive Infrared	Dimensions 110x110x33



Function: This step-down transformer is used to provide the working voltage to the system.

Cat No H2K	Overload Protection Fuse 7.5A
Description Isolation Transformer	Load 100VA
Voltage In: 240VAC Out: 24VAC	Dimensions 68x300x58



Function: Provides power to the system and is used as a communication hub for the network.

Cat No H2B	Backup Battery 2 x 12V 1.2Ah
Description Power Supply	Load 50 Network devices
Voltage In: 24VAC, Out: Network Bus	Dimensions 163x115x120

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