

Home Automation Options

With ECOsystems - your C-Bus™ Approved Installers

The Ultimate in Home Automation!

The Clipsal® C-Bus™ system incorporates stylish touch screens and switches, controls all your lighting, as well as many other devices, using one-touch control.

Lighting

Scenes

- Welcome Home Scene - turn on the entry lights when you enter the door and light a path.
- Away Scene - turn most of the residence lights off but leave the entry, path and garage lights on until you leave.
- All On Scene - switched from the bedside in case you hear something in the night.
- Goodnight Scene - ramps all the lights in the residence off except your reading lights and sets the night alarm).
- Dining Scene - sets the residence for a perfect atmosphere for dining.
- Entertainment Scene - sets lighting in the residence for the best entertaining ambience.
- Theatre Scene - slowly dims the lights, lowers the projector screen and pulls the blinds ready for your viewing.

Multipoint Dimming

Although conventionally impossible, automation allows you to dim the lights from multiple switches. This will allow you to turn off or dim your partners bedside light if they have fallen asleep without waking them up.

Occupancy Detection

Sensors in pathways or corridors will turn the lights on for a predetermined time saving energy. Sensors in the bathroom could turn the lights on automatically when the room is entered. Late at night softer bathroom lighting can be activated.

Light Level Control

Daylight harvesting can be used to maintain a standard light level in a room which capitalises on natural light levels and saves energy. Other automated lighting can be controlled based on the presence of adequate daylight. For example, the entry scene would not operate if there was ample natural daylight in the area.

Heating

Air Conditioning Units

Through infrared (IR) control we can use time schedules and occupancy to control your air conditioning units. We can turn the units down at night then turn them on in the morning just before you are due to get out of

bed. We can also schedule them off for when you are away on holiday.

A fully ducted building system can also be integrated using hardwired relays for fan and cycle control. A C-Bus thermostat would replace the building system device.

Under Carpet Heating

Sensors located in the floor are used to control the under-tile or carpet heating elements. Schedules are also used to give a much easier form of control for you. Integration means that there is no need for the standard control box that mounts on the wall thereby giving a much cleaner look.

Under Tile Heating

Sensors located in the floor are used to control the under-tile or tile heating elements. Schedules are also used to give a much easier form of control for you.

As for under carpet heating, integration means that there is no need for the standard control box that mounts on the wall giving a much cleaner look.

Extraction Fans

Extraction fans in the bathroom can be activated a predetermined time after entry so that they are only on when necessary. In addition, they can turn off a few minutes after the room has been vacated giving the air a chance to be replaced.

Extraction fans in laundry rooms or cupboards could be set to come on only for the duration of the wash or dry cycle by using a timer.

Heated Towel Rail Control

Rather than leaving the towel rails on all the time, minimise



your energy by using towel rail schedules to make sure you always have a warm towel but using much less power.

On-Screen Feedback

Using integrated devices you can get visual feedback on your touch screen or computer showing you the temperature in the rooms as well as the temperature setpoint for these areas. The screen also gives you an easy to follow interface to changing the schedules as well as the temperatures.

Security

Keyless Entry

Keypads or biometric readers are used to gain access to the residence eliminating the need for keys. Never lock yourself out again.

Access Control

Keypads, biometric readers or card readers are used to restrict access to certain parts of the premises. A history of access is also available. You can restrict access to time schedules or areas. A code can be programmed to be used only once, this is handy for a visiting tradesman for example. You can even text the residence once someone has arrived and then let them in.

Intruder Detection

As a minimum, volumetric detectors are installed to sense anyone walking around the residence when you are not home.

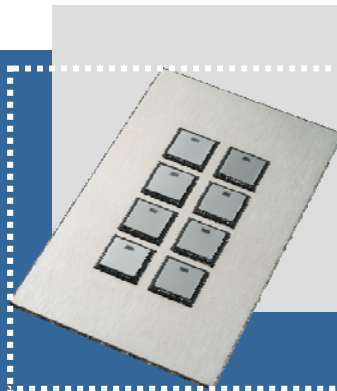
It is important to protect you and your family when you are home, for this reason it is wise to place reed switches on all the openable windows and doors. With this level of control you can then arm the residence while you are home, protecting you and your family and not just your possessions.

Panic Alarms

If you are home often or worried about family members, it is a wise idea to install panic alarms at strategic points around the residence. Once activated a process starts in motion that alerts an off site monitoring station to your situation.

Why Automate?

- Creates piece of mind knowing that your residence is secure whether you are home or not.
- Removes unsightly wall acne by integrating controls.
- A simple one-touch button performs a number of tasks.
- Customise your lighting to the exact levels you want every time.
- Conserve energy by using occupancy and daylight functions.
- One point of control for all your heating and lighting.
- Perform scheduled tasks without having to program external time clocks.
- Be up to date with today's technology and prepared for what may come in the future.



Smoke Detection

Most residences have smoke alarms that are powered by batteries. Batteries run flat, usually at 02:00 in the morning! When this happens the most common result is the batteries are removed and often never replaced. For this reason it is a safer plan to install wired smoke detectors that never run out of power. An advantage of having a wired smoke alarm system is that it can easily be hooked up to your alarm panel and dial off site to let someone know that the smoke detector has been activated.

Heat Detection

In areas like the kitchen where occasionally traditional smoke detectors will be activated, a good solution is to install a heat detector which is not going to give you these nuisance activations.

Audio

Complete integrated multi-room audio

Speakers in every room of your residence can all be connected to the same audio source. From your touch screen or wall switch you could change the source or volume. You can even use this system to make announcements to various locations within the installation.

Infra Red Interface into Customer Supplied Equipment

We can learn the remote control codes from your existing equipment and set up macros so that at a touch of a button you can pull the blinds, dim the lights, lower the projector and start the DVD player.

High Level Interface into Commercial Touch Screens

Some conference facilities use specific portable touch screens to manage their HiFi and conferencing requirements. We

can integrate into this equipment and give you all the functionality you require.

Interface with Media Server for Library Control

If you use Windows Media Centre and have this set up on your network with your touch screen, then you can access your media library from the touch screen to select your music to play on your multi room system.

Television

Transmit Aerial Signal to Multiple Points

Take the signals from your terrestrial aerial, satellite dish or set top box and transmit them to any room in the residence.

Transmit Decoder Reception or DVD to Multiple Points

Use the system to transmit the signal from your DVD, Security camera or your cable decoder to other TV's in the residence.

Transmit Infra-red Codes to Centrally Based Equipment

Via the same system you can transmit the Infra-red codes from the room to a centrally located equipment location. For example, you can have all your AV equipment hidden in a cupboard out of view and use the TV reticulation to transmit all the remote control codes to the equipment rack.

Phone/Data

Centrally Wired points for Phone and Data

Pre-wire your residence for data and phone networks in each room, this gives you flexibility in your space and makes changes easy.

Compatible with VOIP systems

Most telephone systems use a four wire cable to connect to your old telephone. It won't be

long before your telephone becomes a Voice over IP system which will not operate on your old wires. For this reason it is worth while having the installation correctly wired now.

Wireless available

Although wireless is certainly useful for moving about the residence, there are limitations so it is still worthwhile using conventionally wired networks alongside wireless ones.

Irrigation

Control Garden Irrigation

Integrate your irrigation system and control the times of day and the quantity of water you apply to your garden. Optimise the best watering times for the garden and conserve water at the same time.

Blinds/Louvres

External Louvre Control

Utilise time schedules to automatically raise and lower the louvres or use integrated buttons or a touch screen to control the louvres.

By using a day light sensor you could automatically close the louvres when there is too much sun light coming into the room. Conversely you could open the louvres if there is insufficient daylight in the room.

Blind or Curtain Control

Using relay-controlled blind controls located in the switchboard, you can use all the automation system features to control the blinds or curtains. RS 232 interfacing is also available for some of the new blind and curtain controllers.

Make sure you mention to your blind provider that you want to integrate the blinds into the residence automation so that they know what units to install.

Skylight Control

Motorised skylights can be used in conjunction with indoor and outdoor temperature sensors to help regulate the heat in your residence without the need for electric elements. For example, the windows would close if the residence was getting too cold then open again when the temperature reaches the optimum level.

Stylish Automation and Control

Clipsal® C-Bus™ offers simple and stylish products to complement modern interior designs

- The Clipsal C-Touch provides an elegant interface to the C-Bus automation system incorporating a touch-sensitive back lit colour liquid crystal display (LCD) screen and infra-red receiver providing you with control of your entire lighting system, as well as other services, all through one compact wall unit.



- The intelligence of C-Bus automation technologies allows switches to become fully programmable units too, as easy to program as they are to use.



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