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APPLICATION NOTE

SHARING INTELLIGENT SOLUTIONS

KEY WORDS:

Title:	Enable/Disable Status After A Power Failure
Products Applicable:	C-Bus

When designing a C-Bus network it is important to take into account how devices will behave if there is a power failure.

It is common for units such as PIR's and Light Level sensors to have an Enable / Disable Group Address. For the normal sensor functions the unit controls it's Group Addresses directly. For the Enable / Disable the unit must respond to Group Addresses controlled by other input devices. This means that if there is a power failure the sensor must be told again what the status of the Enable / Disable Group is supposed to be.

Because most input units do not broadcast the state of their Group Addresses at power up the sensor does not know whether it should be Enabled or Disabled.

To overcome this situation there are a number of things that can be done:

- Put the Enable / Disable Group Address in a spare channel on an output unit. The output unit will store the state of the Group Address when power is lost and the MMI mechanism of C-Bus will give the unit the correct Enable / Disable state.
- Put the Enable / Disable Group Address in a channel on an Auxiliary Input unit or a Bus Coupler unit. These C-Bus units can be set to broadcast the state of their respective Group Addresses at power-up, thus giving the sensor it's correct Enable / Disable state.

Technical Support and Troubleshooting

For technical assistance call: 1300 722 247 (Australia)
0800 888 219 (New Zealand)

CIS web site: <http://www.clipsal.com/cis/>

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