



## 5217AB/2 Expansion Module

**T**he 5217AB/2 General Input/Output Expansion Module is designed to fit into the Expansion Connector on the 5200CU/2 Controller. Up to 3 General Input/Output Expansion Modules can be installed in a single Clipsal HomeMinder Controller, or 2 Expansion Modules when a Telephone Module is fitted.

The 5217AB/2 provides the user with 8 general outputs and 16 general inputs\*. The general inputs can be configured as digital, voltage, current or protected loop inputs and are determined through software configuration.

The general outputs consist of changeover relays normally open (N.O.) and normally closed (N.C.) relay contacts. The maximum rated output voltage is 24V d.c. or 60V a.c. at 1 amp. per output (resistive). With each output is associated a Status Light Emitting Diode (LED).

## Features

The Expansion Card may be used to interface to any standard transducer, such as temperature and moisture sensors with voltage or current outputs compatible with the equipment.

Digital inputs such as voltage free switches and movement sensors may also be interfaced to the Expansion Card as part of a security system.

The Expansion Card supports up to 16 inputs (8 general inputs and 8 digital outputs, the setup which is configurable through the installation software).

The 8 general outputs consist of 8 changeover relays (N.O./N.C.) and are used to switch low power applications such as solenoids and strobes. The relay contact is rated at 1A at 24Vdc or 60Vac.

\* Version 3.0.8 or higher software is required for this feature, when lower versions of software are used only 8 general inputs are available.



<b>Inputs</b>	<p>8 general purpose inputs, each of which input can be configured as:</p> <ul style="list-style-type: none"> <li>- Protected security loop with double 3.3k EOL</li> <li>- 0 - 1V analogue input</li> <li>- 0 - 10V input</li> <li>- 0 - 30V input</li> <li>- 4 - 20mA current loop input</li> <li>- Temperature sensor input</li> </ul> <p>8 digital inputs</p>
<b>Accuracy</b>	The accuracy of the analogue inputs is better than 5%
<b>Outputs</b>	8 SPDT (single pole double throw) relay contact closures (max. load 1A at 24V dc. or 60V ac., resistive)

## Technical Specifications

<b>Current</b>	200mA with no loads connected but all output relays energised. (Battery Backed)	
<b>Operating Temperature</b>	0 - 45°C	
<b>Standards</b>	<p>EN50082-1:1992</p> <p>AS/NZ3548:1995</p> <p>IEC/CISPR 22:1993</p> <p>EN55022:1995</p> <p>89/336/EEC</p>	<p>EMC generic immunity standards Part 1: Residential, commercial and light industry.</p> <p>Conducted and radiated emissions tests.</p>

Note: Clipsal Integrated Systems Pty Ltd reserves the right to change specifications or designs described in this brochure without notice and without obligation.

This product range is part of the  **CLIPSAL HMS**  
Home Management Series



## **CLIPSAL HOME MINDER - The World's Smartest Housekeeper**

For further information contact your local Clipsal Office or an accredited Clipsal HomeMinder Installer

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