CLIPSAL ®

INTEGRATED SYSTEMS

5232TI/2
Telephone Interface

A key benefit of Clipsal HomeMinder is its ability to control and monitor your premises from any touch tone telephone in the world. The 5232TI/2 Telephone Interface provides telephone access that is easy to configure and even easier to use. The 5232TI/2 does not require a PC to operate. Once the 5232TI/2 has been installed and configured, you have the ability to control:

- Lights
- Appliances
- Clipsal HomeMinder variables
- Electrical devices
- Clipsal HomeMinder scenarios

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Home**MINDER** ®
The World's Smartest Housekeeper

The 5232TI/2 can also notify you and/or a monitoring station if an alarm has been activated on your premises. The 5232TI/2 offers full support for pagers and mobile phone dialling so that you can be notified at all times. Like the Clipsal HomeMinder Controller, the 5232TI/2 supports a range of intelligent functions. If, for example, an intruder pulls the telephone out of the wall or takes the phone off the hook, the 5232TI/2 is still able to dial out.

In addition to this, all functions of the 5232TI/2 can be password protected to prevent unauthorised access to your system from both local and remote telephones.

Features

Access to the 5232TI/2 is through local (house) and remote (eg. office, mobile and international) telephones. Multiple local phones and cordless phones are also supported.

To turn on the front porch lights from your bedside phone, just pick up the phone, follow the 5232TI/2 voice prompts and press the required keys on the telephone.

Control of all 5232TI/2 functions is simple. The 5232TI/2 voice prompts mean that controlling Clipsal HomeMinder is easy, even for those with no technical knowledge. Voice prompt messages can be recorded and customised in any language through a local phone. For example, your 5232TI/2 is programmed with default voice recordings which can be customised in the following ways:
- Device   Front Lights
- Scenario 1   Arm the security system
- Alarm 1   Intrusion alarm at office

Once you have accessed the 5232TI/2 you will arrive at the main menu and hear the following prompt:

Press 1 for Alarms, 2 for Devices, 3 for Scenarios or 4 to Hang-up.
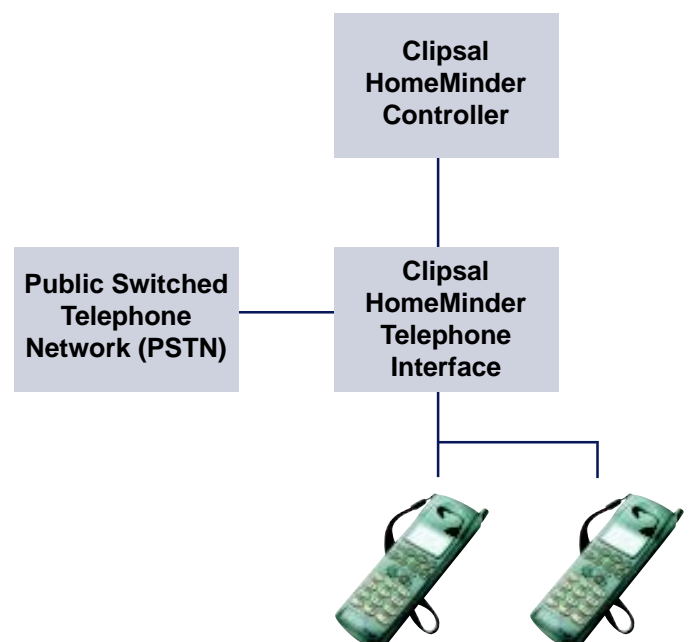
After you have entered your selection you will be guided by voice prompts for successive actions. Once you are accustomed to navigating through the 5232TI/2 menu you can use the 'key ahead' function to speed up your selections.

*At all times, pressing * (star) will return you to the main menu.*

Hardware Set-up

The 5232TI/2 has an onboard modem for applications where remote PC monitoring and maintenance are required. This enables users to call up and establish communications with a controller to check the History Log, the exact status of the Controller and to make any program modifications to the Controller. The ability to remotely update the Controller is of particular benefit to installers who have a number of installations to maintain.

In instances where a.c. power is lost, the Clipsal HomeMinder Controller and the 5232TI/2 can remain on-line (through battery backup) and make outgoing alarm notification calls. A full on-line Help function is a standard part of Clipsal HomeMinder and is provided to guide the programmer. All definitions are by drop down menus to make programming the 5232TI/2 as easy as programming Clipsal HomeMinder.

Clipsal HomeMinder Controller

Public Switched Telephone Network (PSTN)

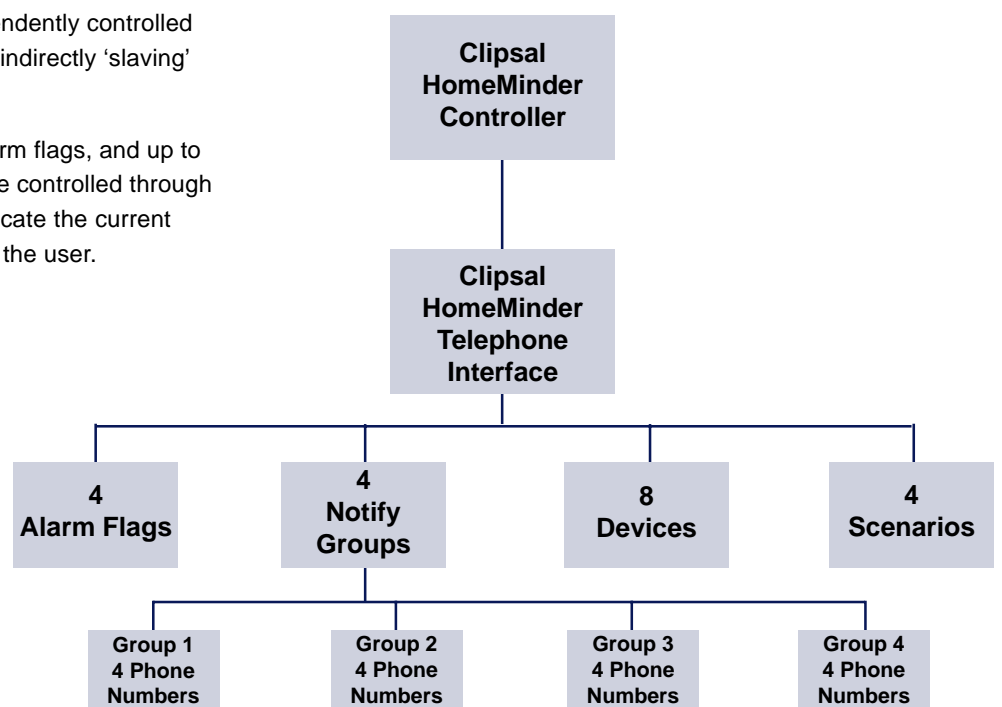**Clipsal HomeMinder Telephone Interface**

The time taken for the 5232TI/2 to answer your phone can be set under user programming so that the number of rings can be different when you are at home to when you are away.

Up to eight independent devices can be controlled through the 5232TI/2. These devices can be a single device such as a light, an appliance or a Clipsal HomeMinder variable. If you select a light as a 5232TI/2 device you are able to switch that light on or off.

Controllable Devices

Although the maximum number of independently controlled devices is eight, this can be extended by indirectly 'slaving' other devices to the controlled devices.

The 5232TI/2 has four programmable alarm flags, and up to eight independent scenarios which can be controlled through the 5232TI/2. The 5232TI/2 can even indicate the current scenario selection and a new scenario to the user.

Clipsal HomeMinder Controller

Clipsal HomeMinder Telephone Interface

| **4 Alarm Flags** | **4 Notify Groups** | **8 Devices** | **4 Scenarios** |

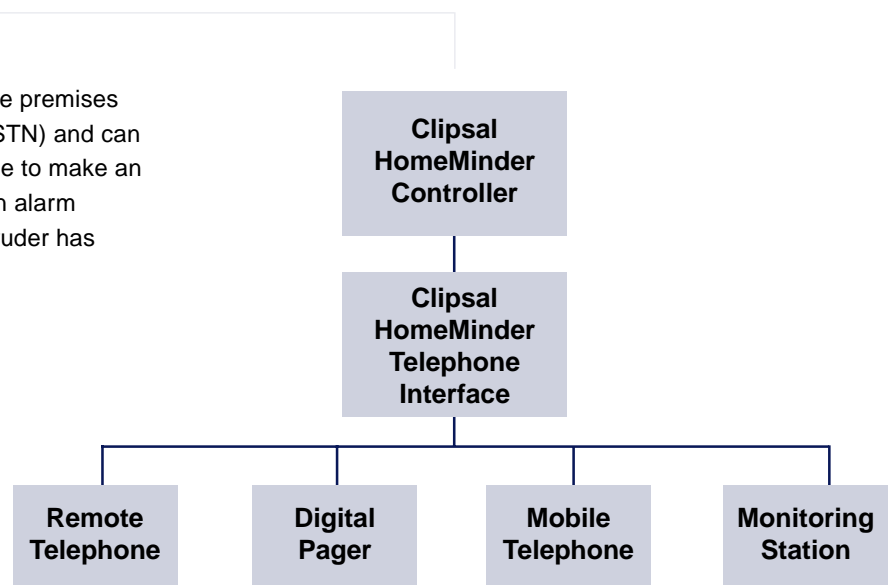| **Group 1 4 Phone Numbers** | **Group 2 4 Phone Numbers** | **Group 3 4 Phone Numbers** | **Group 4 4 Phone Numbers** |

The 5232TI/2 can dial out to up to four groups of people with four different telephone numbers in each group. This allows the 5232TI/2 to call out to a maximum of sixteen different numbers. These telephone numbers can be for normal remote telephones, domestic or international telephones, mobile telephones, digital pagers and monitoring stations.

When an alarm notification call is made, the person receiving the call is required to provide a positive acknowledgement that the notification call has been received. The 5232TI/2 can be programmed to try each number a specified number of times, and the period between calls can also be specified.

Notification Capabilities

The 5232TI/2 is always the first connection on the premises from the Public Switched Telephone Network (PSTN) and can therefore always take control of the telephone line to make an alarm notification call. The 5232TI/2 can make an alarm notification call even if the line is in use or an intruder has pulled the local telephone from its connection.

Clipsal HomeMinder Controller

Clipsal HomeMinder Telephone Interface

| Remote Telephone | Digital Pager | Mobile Telephone | Monitoring Station |

Mode 3 Connection

The 5232TI/2 Telephone Interface features a direct connection to the Public Switched Telephone Network (PSTN).

A cable accessory (purchased separately) may be used to make the mode 3 connection between the Telephone Interface and the PSTN.

The 5230CL features a RJ11 Socket at one end and a type 611 socket at the other for simple plugin connection.

A key benefit of the 5232TI/2 Telephone Interface is the ability to interface to an alarm monitoring station so that your premises can be monitored by an Alarm Monitoring Company.

The 5232TI/2 supports monitoring to an alarm monitoring station that uses the Ademco* High Speed Dialling Format. The 5232TI/2 supports monitoring of the following:

- **8 zones**
- **Alarm/restore**
- **Open/close**
- **Alarm only**

In addition to specifying the type of alarm conditions to report, Clipsal HomeMinder will report 4 states of a device; 'Off', 'On', 'Trouble' and 'Bypass'.

Remote Connection

Central Monitoring Interface

With its own data modem, the 5232TI/2 can be configured for connection to a remote PC over the telephone. The 5232TI/2 can communicate with different modems at 2400bps, CCITT V.22. For those installations without a PC or for which battery backup is required, the 5232TI/2 is the typical selection.
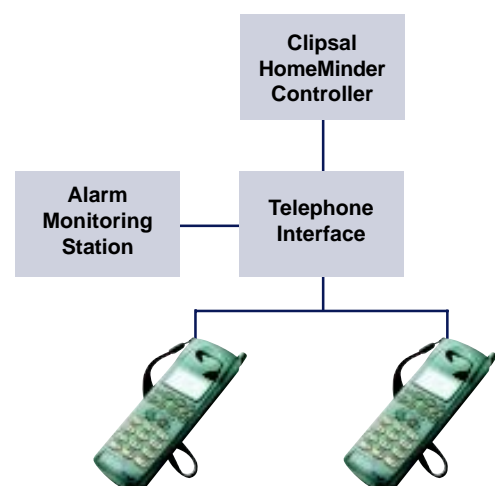
Along with monitoring 8 zones, the 5232TI/2 is capable of the following reports:
- **Duress report**
- **Opening report**
- **Closing report**
- **System failure report**
- **Battery low report**
- **a.c. loss report**
- **Test report**

Connect Clipsal HomeMinder from anywhere in the world

Public Switched Telephone Network (PSTN)	Clipsal HomeMinder Telephone Interface	Clipsal HomeMinder Controller

Clipsal HomeMinder Controller

Alarm Monitoring Station	Telephone Interface

*Ademco is a registered trademark of the Pittway Corporation (USA).

Inputs	5232TI/2 can be controlled by any local or remote touch tone telephone.
Outputs	5232TI/2 can call out to mobile telephones, digital pagers and normal telephones. The 5232TI/2 can be programmed to dial out through analogue switchboards.
Interfaces	One 5232TI/2 can be configured per Clipsal HomeMinder Controller.
Controllable Devices	8 devices 4 scenarios 4 alarm flags 4 notification groups
Connection	The 5232TI/2 connects to the PSTN and local telephones, using mode 3 telephone connection.
Power	The 5232TI/2 is powered through the Clipsal HomeMinder expansion bus, 12Vd.c. @ 110mA.

Technical Specifications

Memory	The 5232TI/2's voice recordings are stored in non volatile memory, and backed up by the lithium battery.
Austel Approval	A95/02B/0395
Temperature	0 - 45ºC
Voice Recording Time	120 seconds (4 bit resolution) 240 seconds (2 bit resolution)
Central Monitoring	Supports high speed Ademco protocol

Standards		
	AS/NZ 3548:1995 IEC/CISPRZZ:1993 EN 55022:1995 89/336/EEC	Conducted and radiated emission test
	AS/NZS3260:1993	Safety of information technology equipment
	Austel TS001:1996	Safety requirements for customer equipment
	Austel TS002:1996	Analog interworking and non interference
	Austel TS004:1996	Voice frequency performance

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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