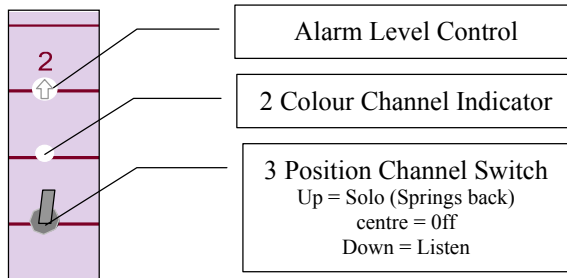
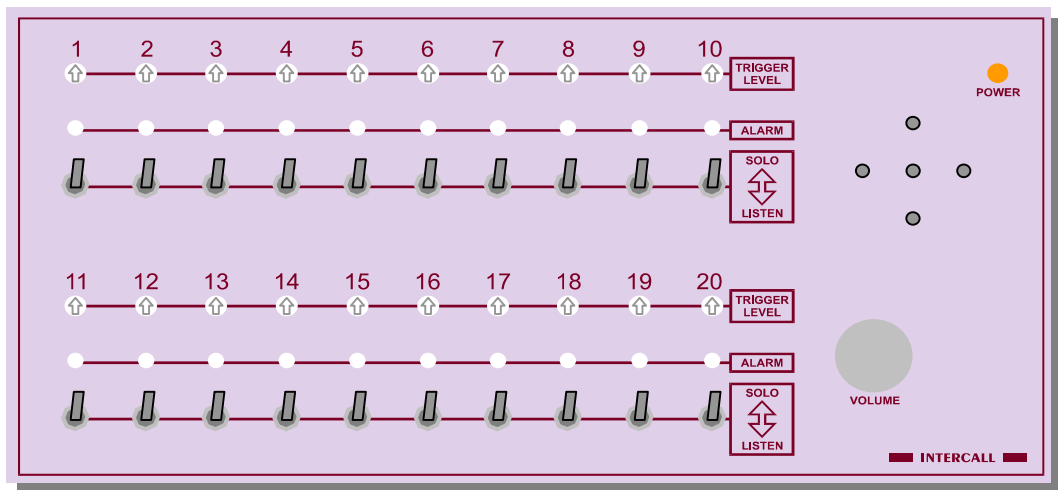


THE INTERCALL LISTENING SYSTEM

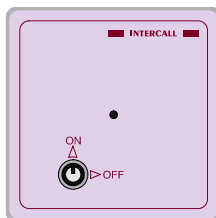
Respecting patients privacy, without compromising care

The **INTERCALL®** Listening System is designed for use where incapacitated patients may be monitored remotely where a conventional call system is not suitable and could not be operated by the patients. The **L198** Listening Panel is designed to be very simple to use and gives a clear indication where a patient may require assistance. The Panel incorporates an alarm, activated by any noise above a pre-set volume level, which can be adjusted to suit the individual patient to reduce false alarms. The alarm is indicated on the panel with a red LED and there is also a common alarm output which can be used to trigger external equipment such as a call system or radio pagers. The room monitoring units are supplied with a key operated mute switch for privacy. Each Panel will accommodate up to 20 monitor units and panels can be 'ganged' together should more units be required.



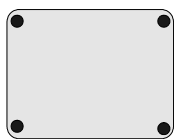
Channel Controls.

On the left is an enlarged picture showing the individual channel controls for which there are 20 on the panel above. Each channel features channel on/off switch, Channel solo switch (Listen to this channel only and mute all other channels), channel status indicator and alarm level control. The master volume control sets the audible level which is amplified to the integral speaker.



L192 Room Monitor Unit.

A **L192** Room Monitor Units are located within the rooms which are to be monitored. All units feature unobtrusive unit mounted on a single plate which can be flush or surface mounted depending on the installation and backbox. All units feature high sensitivity audio microphone and disable keys-witch for privacy. The units are wall mounted and should be located as close to the bed-head as possible to minimise external noise setting off the alarm.



L196 Power Supply and L197 Connection unit.

The **L197** unit provides the connection point for all of the room units, the panel and the L196 DC power supply. The panel is connected by means of a three metre multicore cable which plugs into both the panel and the connection unit. Additional panel sockets may be connected by means of an additional connector but only one panel may be connected at any time. Alarm contact outputs are available from the connection unit and are ideally used to trigger an **INTERCALL 600** system or auxiliary radio paging system.

Installation:

Cable:

Cable Run Between Monitor Units and Power Supply must be not more than 100m long. An **individual screened** cable must be run from each room monitor unit to the power supply. We recommend **Multicomp Single Semi-conducting thermoplastic screened cable type EHE** (Available from Electronic Services) due to the low cost and the ease of terminating the cable ends.

Do not mount any cable, the panel, room monitor unit, power supply or the monitor units within 1 metre of fluorescent lighting or electrical switch gear.

L192 Room Monitor Units with privacy keyswitch

The monitor units are on a 'single gang' size panel (80 x 80 mm) they can be surface or flush mounted.

L198 Monitoring Panel

The panel is desk mounted and measures 400 x 230 x 100 mm with a sloping front panel. It is supplied with a three metre cable which is terminated with a plug which connects directly to the power supply. Longer cable can be supplied on request to a maximum of 30 metres.

L197 Connection Unit

This unit contains all the connections from each monitor unit together with the alarm contact outputs. It is in a surface mounting box measuring 225 x 180 x 90mm.

L196 AC Power Supply

This unit contains the 220-240v AC input and provides the + 12v and -12v DC required to operate the system.

This unit must not be mounted within 500mm of the connection unit, panel or system cabling

Connections:

MAINS INPUT L196:	SCREW TERMINALS FOR 220/240VAC SUPPLY.
DC INPUT TO L197:	3 SCREW TERMINALS +12, -12, 0v.
CHANNEL INPUT:	2 WAY PLUG ON TERMINALS. (LABELLED CH1 - CH20) OBSERVE POLARITY WHEN CONNECTING ! (+ ON THE LEFT)
AUX ALARM OUTPUT:	2 WAY PLUG ON TERMINALS (LABELLED AUX) NORMALLY OPEN CONTACT RATING 24VDC 0,5 AMP (Operated when any alarm led lights until reset by a SOLO switch)
LISTEN PANEL:	25WAY CONNECTOR (Connects to lead supplied with panel) There are two of these connectors for installations where the panel may be required in more than one location.

It is necessary to remove the PCB from the box to mount it and there are four screws which hold the PCB in. The connections for the monitor points are plug on type screw terminals which can be wired up prior to fitting on the PCB. The connection from the panel is a 25 way connector which simply plug in, there is a 'u' shaped cut out in the box to allow cable entry. There are two 25 way connectors for installations where the panel is required in two possible locations. Remote 25way sockets can be supplied for remote panel locations but this extension should not be more than 30 metres.

NOTE: It is not possible to connect two panels to the power supply simultaneously

