

The AN-PD1 uses 50 mm tall high efficiency LED modules. The higher resolution means that messages are easier to read from a distance.

The increased resolution of the AN-PD1 display means that all English and European ASCII characters can be clearly displayed. The display matrix panel is also capable of displaying foreign characters such as Japanese and Chinese (available in the future).

Another feature of the new display is the ability to display messages using proportional fonts. This means that each character takes only the required dot width. The AN-PD1 can display on average 12 characters depending on the characters used. The AN-PD1 can automatically scroll messages that are longer than can be displayed in the 8 x 64 area.

An 8 x 4 area on the right hand side of the AN-PD1 can be used for an optional bar graph display of the number of active calls. 3 vertical columns (red, orange, green) will give a graphical indication of the type and number of pending calls.

The method of connection to the nurse call system has been expanded. The AN-PD1 is a UDP/IP device so it can be connected to the Austco nurse-call system over the LAN. This adds considerable flexibility to system cabling. This feature gives the AN-PD1 increased reliability and error checking capabilities.

Normal UDP/IP packet resend features apply, but any major communication problems to the AN-PD1 will not disrupt the overall operation of the nurse call system other than the communication fault being reported or notified to the staff station(s).

The AN-PD1 still supports Austco #2 protocol using RS485 so it is compatible with existing sites that are running the AN series annunciators however the newer features such as scrolling of long messages and display of time do not apply.

Austco APB protocol is also supported and this gives the added benefit over Austco #2 of bi-directional communication with MC-4x20 staff stations, giving the same level of reliability and security that the TCP/IP communication affords.

The AN-PD1 is on-site programmable. Everything from network addresses, node numbering, chime patterns, display colours, display

brightness can be set up on a laptop and downloaded into flash memory. This type of memory ensures the configuration data is retained even in the event of power loss.

A special configuration and download utility is used to carry out the configuration. This utility uses Austco PCDLP software enabling both upload from, and download to, the AN-PD1. If previous settings (including IP address) are unknown a special "interrogation" connector can be used to retrieve current configuration settings.

The alert tones and message colours for the 6 levels of call priority can be customised to suit particular applications or global regions. The configuration file for the MC-4x20 staff station already provides support for these region specific settings which are automatically downloaded to the AN-PD1 when the MC-4x20 staff station is powered up.

Power consumption has been minimised by using high efficiency LED modules. Orange messages require the most power and an AN-P1 displaying 12 consecutive 8s consumes less than 500 mA.

While there are no active calls or alarms displayed on the AN-PD1, a programmable option can be set to display current time.

The AN-PD1 is supplied with a wall-mounted (Clipsal™ 2000) breakout plate. The plate houses a RJ-12 and RJ-45 socket. These sockets match equivalent sockets on the AN-PD1 back panel. Short patch leads are also supplied. At the back of the wall outlet is a RJ-45 socket for connection to the ethernet LAN. Two blocks of screw terminals are used to connect 12V DC power and RS485 data (if required).

Designed to comply with:

- AS 3811 Hard-wired patient alarm systems for hospitals.
- HTM Bedhead services.
- UL1069 Hospital Signalling and Nurse Call Equipment
- BS EN 60601.1, CSA 601-1-M90 &
- UL 2601.1 Medical Electrical Equipment. General Requirements for Safety.



Manufactured in general accordance with the requirements of international quality assurance standard ISO9002.

Dimensions & Specifications

Height:	112 mm	Depth:	35 mm
Width:	570 mm	Weight:	350 g
Housing:	White powder-coated aluminium.	Connectors:	Plug-In screw terminal and modular sockets (RJ-45 & RJ-12)
Voltage:	8 to 30V DC	Current:	485 mA @ 13.8V 290 mA @ 24V
		Operating Temperature:	0°...50°C
		Relative Humidity Range:	0...85% (Non-condensing)