

# PRODUCT SPECIFICATION

The AN-PD1 Annunciator uses 50 mm tall, high-efficiency LED modules in a wide-angle panel with a resolution that ensures messages are easy to read from a distance of up to 20 m.

The high resolution of the display allows all English and European ASCII characters to be clearly displayed.

The Annunciator uses proportional fonts so that characters are only displayed at their required width rather than a fixed width. On average, the Annunciator displays 12 characters and automatically scrolls messages that are longer than can be displayed in the 8 x 64 area. A maximum of 24 messages can be stored and displayed at any one time.

There is an area to the right of the Annunciator that is used to display a bar graph of the number of active calls. 3 vertical columns (red, orange and green) graphically display the type and number of pending calls.

The Annunciator is an IP device that can be connected to the TACERA Nurse Call System over the hospital LAN using standard CAT5/6 cable. This makes it easy to install and allows the system to monitor the device for connectivity and errors.

The Annunciator also supports Austco's #2 protocol using RS485 so that it is compatible with existing sites that are running AN-series Annunciators. However, the newer features such as scrolling of long messages and display of time will not apply.

Austco's APB protocol is also supported, providing the added benefit of bi-directional communication with the TACERA server for non-Nurse Call displays such as greetings or time / date displays.

The Annunciator can be programmed on-site using a laptop for parameters such as network address, node numbering, chime patterns, display colours and display brightness. These are downloaded into flash memory that ensures that the configuration data is retained, even in the event of power loss.

A special configuration and download utility is used to configure the Annunciator and also to download current configurations during service calls.

The alert tones and message colours for all call priorities can be customised to suit particular applications or global regions.

The Annunciator can be programmed to display messages from multiple areas, allowing calls to go to a specific ward display and higher priority calls to go to adjacent ward or floor displays as required.

The firmware and operating parameters of each Annunciator, including priority tones and colours, can be upgraded in real time without shutting down other parts of the system. This allows changes to be made on a working system without interruption to the operation of the system.

The high-efficiency LED modules have reduced power consumption to 150 mA (typical) and a maximum of 290 mA at 24 V.

When there are no active calls, the Annunciator can be configured to display the current time.

The Annunciator is supplied with a wall-mounted (Clipsal™ 2000) breakout plate which houses an RJ-12 and RJ-45 socket that match equivalent sockets on the back panel of the Annunciator. Short patch leads are also supplied. There is an RJ-45 socket at the back of the wall outlet for connection to the Ethernet LAN.

Two blocks of screw terminals are used to connect 12-24 V DC power and RS485 data if required.

CISPR 22 Class B certification ensures that the Annunciator meets the new international emission requirements for hospitals and aged care facilities.

The Annunciator complies with the international RoHS Directive for the restriction of hazardous substances in electronic equipment.

|                             |              |                                  |                 |                                  |  |
|-----------------------------|--------------|----------------------------------|-----------------|----------------------------------|--|
| Dimensions & Specifications | Height:      | 112 mm                           | Depth:          | 35 mm                            |  |
|                             | Width:       | 570 mm                           | Weight:         | 350 grams                        |  |
|                             | Wall Plate:  | White plastic single-gang module |                 | Connectors:                      | Annunciator: Ethernet RJ-45 and modular RJ-12<br>Wall plate:<br>Outside: Ethernet RJ-45 and modular RJ-12<br>Inside: Ethernet RJ-45 and 5 screw terminals (power and RS485 for legacy systems) |
|                             | Voltage:     | 8-30 V DC                        | Current:        | 485 mA @ 13.8 V<br>290 mA @ 24 V |  |
|                             | Temperature: | 0 – 50°C                         | Humidity Range: | 0 – 85% non-condensing           |  |

| Ordering Options | Code   | Description   | Order Options  |
|------------------|--------|---|--|
|                  | AN-PD1 | Annunciator, Programmable Display, 12 Characters, 50 mm | AN-PD1/DB<br>Double Sided Mounting Bracket for Annunciator, Pair |

Designed to comply with:

- AS 3811: Hard-wired patient alarm systems.
- HTM 08-03: Bedhead services.
- UL 1069: Hospital Signaling and Nurse Call Equipment.
- IEC 60601-1, UL 60601-1 and CAN/CSA C22.2 No. 601.1-M90: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.



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

Authorised Austco Reseller

