

Desk or wall mountable nurse/staff station console with a 2 x 40 character vacuum fluorescent text display and alarm/call alert tones to visually and audibly announce the location and priority level of alarms/calls received from any bed station or other callpoint on an Austco nurse/staff call system.

Incorporates a tactile click membrane keypad mounted behind a water-resistant lexan film. The keypad is for use to mute call alert tones, alter patient/bed to nurse/staff pager assignments, edit pager messages and/or send pager messages to designated staff, as well as locate other staff when operating in the Staff Presence mode.

Call status is displayed in large clear character format and contains the time/date, call location, call type and priority of each call. In addition, call information is output to ports for display on remote corridor annunciators, pagers and/or wireless telephone handsets as well as for printing or input into other PC-based display and messaging systems.

Incorporates in-built tone sounder with six different mutable alarm/call alert tones.

Alarm/call messages are sent to pagers via a paging base in accordance with a dynamic pager assignment table. Primary and secondary levels of pager assignment for up to 32 patients/beds are provided for with automatic repeat paging and/or escalation. Staff can change pager assignment tables at any time using the keypad.

Paging incorporates functions to send pre-defined messages (up to 30) to a selected pager or pager group on simple PAGE key activation.

Cancellation of calls are from point of origin only except for certain levels of SERVICE calls.

Alarm/call types, priorities and other response data such as display text, alarm/call alert tones and paging information is on-site programmable into non-volatile memory during installation or maintenance to suit the specific needs of users. (Requires connection via the serial printer port to a PC with Site-Config Configuration Tool.)

Housed in a desk or wall mountable white powder coated industrial strength metal enclosure with externally accessible connectors. A 25-pin D-type wall outlet/socket mounted on a wall plate (AM-MWO/25) and a 1.2 m long umbilical cord plus 25-pin D-type plugs are included.

The capacity of a single MC-4120 is up to 512 alarm/call inputs from physical callpoints connected via callpoint controllers on an AustcoLink data bus. Multiple MC-4120 units can be networked together for larger installations, or for multi-ward installations with ward/room/bed swing between consoles, or to share a single paging base, other 3rd party messaging system and/or PC-based system such as Austco's Site-Management System Terminal software for centralised alarm/call data logging, date & time stamped reporting and centralised on-site programming.

Networking is via standard 10BaseT Ethernet/HUB and with the / ETH Ethernet communications module fitted to each MC-4120 to be networked.

The MC-4120 has four standard interface ports:

- One 4 wire data bus I/O port (AustcoLink) to callpoint controllers
- RS485 (or RS232) output (multi-purpose)
- RS485 (or RS232) output (typically remote display/paging)
- RS232 serial printer/programming port

The MC-4120 electronics are protected against power surges, near lightning strikes, cable shorts and power reversals.

Automatic detection and reporting (on the display and to a System Management Terminal if connected) of the following faults and locations occur within 5 sec.:

- Cut or short data cable and location;
- Digital station (callpoint controller) failure;
- Loss of network connection

The system automatically restarts and allows the cancellation of alarms when the fault has been rectified.

Typical power consumption is 330 mA at 12V (365 mA max).

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

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| Height: | 110 mm | Depth: | 195 mm |
| Width: | 235 mm | Weight: | 940 grams |
| Mounting Method: | Desk or surface mounted | Wall Box size: | (for wall outlet plate) Australian or North American single gang and round European ELKO 5421 |
| Operating Temperature: | 0°...50°C | Humidity Range: | 0...85% (Non-condensing) |
| Connectors: | RJ45 socket for CAT5 Ethernet 9'D' (RS-232) for download/printer 25'D' for umbrella cable to wall outlet plate | Cable Sizes: | Ethernet CAT6 or CAT5 RS-232: Belden 9841 data or equivalent |
| Current Consumption: | 495mA (standby) 555mA (Max) | Voltage: | 11Volt to 14Volt DC |