

Wall (or under desk) mountable local station controller used to redirect alarms/calls received from any bed station or other callpoints on an Austco nurse/staff call system to remote displays, paging base or other PC-based systems, typically where a desktop style nurse/staff station console with display and keypad is not required.

Outputs the call location, call type and priority of each active alarm/call for annunciation and display on remote corridor annunciator displays, pagers and/or wireless telephone handsets as well as for input into other PC-based display and messaging systems.

Remote corridor display annunciation is accompanied by distinctive different alarm/call alert tones for 6 levels of alarm/call priorities.

Alarm/call messages are sent to pagers via a paging base in accordance with an on-site configured 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.

Cancellation of calls are from point of origin only.

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.)

The capacity of a single MC-4020 is up to 512 alarm/call inputs from physical callpoints connected via callpoint controllers on an AustcoLink data bus. Multiple MC-4020 units can be networked together for larger installations or for multi-ward installations to share a single paging base, other 3rd party messaging system and/or PC-based system such as Austco's Site-Management software for centralised alarm/call data logging, date & time stamped reporting and centralised on-site programming.

Networking is via standard 10BaseT Ethernet/HUB.

Housed in a wall mountable grey powder coated metal enclosure with removable lid for easily access to plug-in Phoenix screw terminal connectors.

The MC-4020 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-4020 electronics are protected against power surges, near lightning strikes, cable shorts and power reversals.

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

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

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

Typical power consumption is 190 mA at 12V (210 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

Height:	260 mm	Depth:	82 mm
Width:	170 mm	Weight:	2.0 kg
Mounting Method:	Surface Mounted	Plate:	N/A
Wall Box size:	N/A	Housing:	Grey powder coated metal
Cable Sizes:	2 core 2 mm ² TPS (AWG 14) power cable 4 core 7/0.25 mm (AWG 22) screened data cable for the AustcoLink bus 4 core 7/0.25 mm (AWG 22) screened data cable for display/paging bus Ethernet LAN cabling as required	Connectors:	Plug-in screw terminals. D-type plug-in for printer/programming
		Operating Temperature:	0°...50°C
		Relative Humidity Range:	0...85% (Non-condensing)