

P318MDA

Supplementary information Alarms, monitoring & notification



The P318MDA is an alarm management solution for use with Multitone DECT wireless servers. Alerts are then sent to your DECT handsets as text messages containing location information.

The product is used in many market sectors to transmit time critical alarm messages to mobile personnel as a notification of an emergency, imminent failure or security alarm. Alerts may be received from alarm contacts or via serial data from building management systems, machinery, alarm systems or other alarm generating equipment.

The P318MDA is an alarm and messaging solution for use with the CS100, CS600 and wireless server 8000 (the CS600 has been replaced with the wireless server 8000 and the CS100 has been discontinued). It is used in environments where personnel work in secure locations, where assistance is required to manage patients in distress or dangerous conditions.

Application notes

Simply press and hold a key on the handset and a message will be sent to a user or team to call for help. A visual or audio alarm can also be operated while alarms are active. The person initiating the alarm must also cancel it. Users receiving the alarm acknowledge it by pressing a key, and an acknowledgement message is sent to the user calling for assistance.

Pressing the alarm button on the top of the CH74 DECT handset sends an alert along with a text message containing the location of the person that raised the alarm to the nearest base station.

NOTE: A SMS licence is required for the CS600.

DECT handset long press key functions

NOTE: application dependent on product and application

- 0 = elapsed time of the last 3 messages
- 1 = view the most recent message
- 2 = view the second most recent message
- 3 = view the third most recent message
- 4 to 6 = defined by the user
- 7 = accept the alarm message and notify the initiator - handset vibrates
- 8 = reset the alarm contact and send a message to the users - alarm cancelled
- 9 = set off an alarm and send a message to a user or team of DECT users

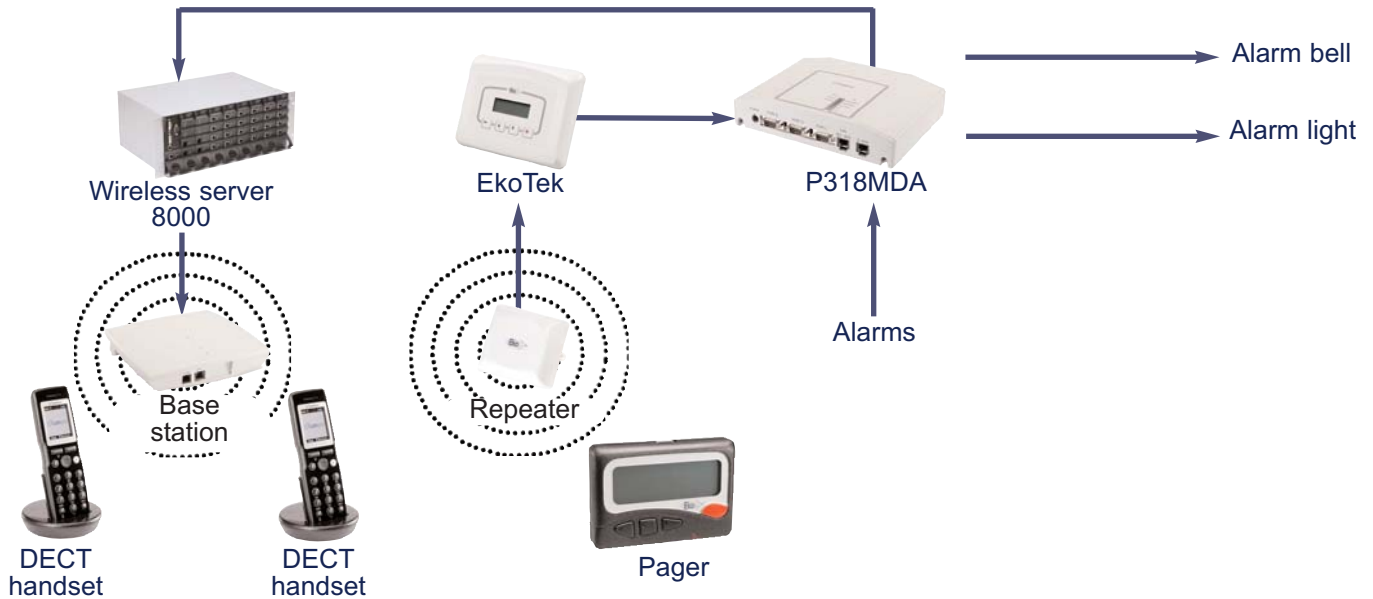
A dedicated alarm contact in the P318MDA automatically operates. This can be used to sound an alarm, light a lamp or operate other devices.

Key benefits

- Management on the move, improving efficiency and productivity
- Improved customer and patient services in the health environment through connection to the nurse call system
- Prevents or minimises the loss of goods through theft in unmanned locations
- Prevents or minimises loss of goods, damage to equipment and expensive repair costs by prompt attention to critical alarms
- Prevents or minimises production output loss when machinery or production lines are failing or fail
- Prompt attention to customers at hotel bars or spare parts service desks using pressure pads
- Management and co-ordination of fire or other alarms that may affect health and safety solutions can be adapted to almost any application
- General location of handset that raised the duress alarm
- Up to 93 base stations

If a messaging licence is added then the general location of the DECT handset that initiated the call for help is added to the message. Note: location is determined by the last base station used for connection.

P318MDA



Technical specification

Characteristics

- DLC inputs: Up to 32 active-open or active-closed contacts
- Contains: 10k pull ups to 5 volts
- Applied voltage: 30V max
- Contact loop resistance: 100R max
- Input voltage for high: 2V min
- Input voltage for low: 0.7V max
- Minimum activated time: 80mS
- DLC outputs: up to 32 active-open or active-closed contacts
- Open collector output: 10k pull up to 5 volts
- Applied voltage (open cct): 30V max
- Maximum ON voltage: 0.5V at 100mA
- Maximum current (on): 100mA
- Power supply: +7 to +9V 500mA max

Connections

- SSK13: RS485 system Bus for paging applications
- Port A: 9-Way D-Type, configurable as RS232 output to the CS600 or CS100, Control Fixed Part (CCFP), or the programming input for TAP output programming
- Port B: 9-way D-type RS232, programming input, or TAP output
- Port C: 9-way D-type RS232 Utility Port, TAP, MEP, ESPA, AUSTCO protocol input, or as a call logger output
- Additional alarm contacts may be added using the P318MDC

Approvals and declarations of conformity

- EMC and safety for CE markings
- FCC Part 15 class A devices (EMC) US

Message lengths

- Free format from PC: 60 characters
- From alarm contacts: 60 characters

Environment & physical

- Storage temperature range: -20°C to +70°C
- Operating temperature range: 0°C to +40°C
- Dimensions: 160mm (h) x 210mm (w) x 50mm (d)
- Weight: 551g
- Power requirements: 230Vac or 110Vac 7.5Vdc & 600mA for use in the UK, Europe or North America
- Power supply is not included and must be ordered separately

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