

P318MDI

Supplementary information Alarms, monitoring & notification



The P318MDI is an alarm management solution for use with Multitone DECT wireless servers. The product provides a reception interface for customer alarms, which are then sent to Multitone DECT handsets as text messages through the Access Integrator-D.

The P318MDI is an alarm module that is used with the Access Integrator-D (AI-D) to add alarm contacts. It is used in many market sectors to transmit time critical alarm messages to mobile personnel as a notification of an emergency, imminent failures or security alarms. Alarms may be received from alarm contacts or via serial data from building management systems, machinery, alarm systems or other alarm generating equipment.

This product is used with the Access Integrator-D (AI-D) as an add-on alarm module. Each P318MDI has 32 programmable contacts which may be administered from the AI-D. Up to 5 modules may be added to the AI-D for a total of 176 alarm contacts.

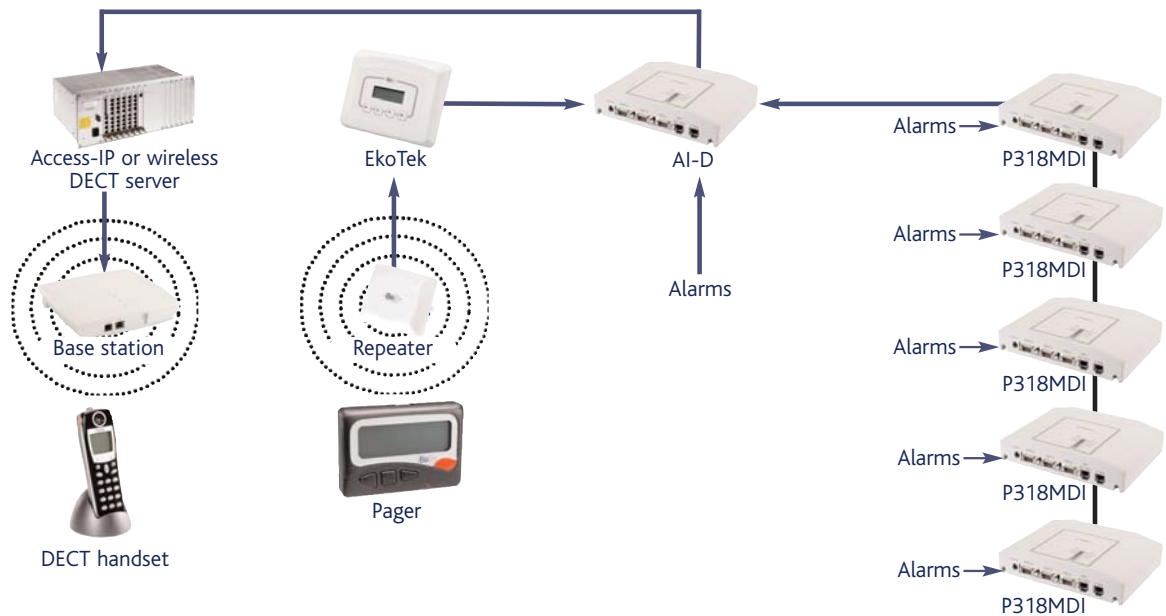
Application notes

- Up to five alarm modules may be added to the AI-D
- Alarm modules are connected using the customers local wiring
- Administration of all modules is via the AI-D
- Up to 4 alarm contacts may be cascaded e.g. contacts 30 to 33 will activate before contact 34 can send a message

Key benefits

- Management on the move, improving efficiency and productivity
- Improved customer and patient services in the health environment through connection to the nursecall 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

P318MDI



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

- Status and activity indicators: Ethernet-transmit-receive-power-CPU-active

Connections

- SK13: RS485 System Bus for paging solutions
- Port A: 9-Way D-Type, RS232 – not used
- Port B: 9-Way D-Type RS232 – not used
- Port C: 9-Way D-Type RS232 – not used

Approvals and Declarations of Conformity

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

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

Message lengths

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

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