

P318MDC

Supplementary information Alarms, monitoring & notification



The P318MDC is an alarm management solution for use with Multitone Access 3000 systems and wireless DECT servers. The product provides a reception interface for customer alarms, which are then sent to Multitone pagers or DECT handsets as text messages.

The P318MDC 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.

P318MDC is a DLC concentrator with 32 contacts for use on the Access 3000 Bus. It is equivalent to two traditional DLC concentrator Euro cards and can be mixed or matched with them. The hardware includes a DLC Sub-Bus connector allowing further DLCs to be added as equivalents to the traditional DLC interface Euro cards. Limited mix and match – on the main A3K Bus you can have a mixture with no additional constraints. A P318MDC cannot be used on a Euro card DLC concentrators Sub-Bus, and a Euro card DLC interface cannot be used on a P318MDC Sub-Bus. Before selecting this option and any variants contact Multitone support for advice.

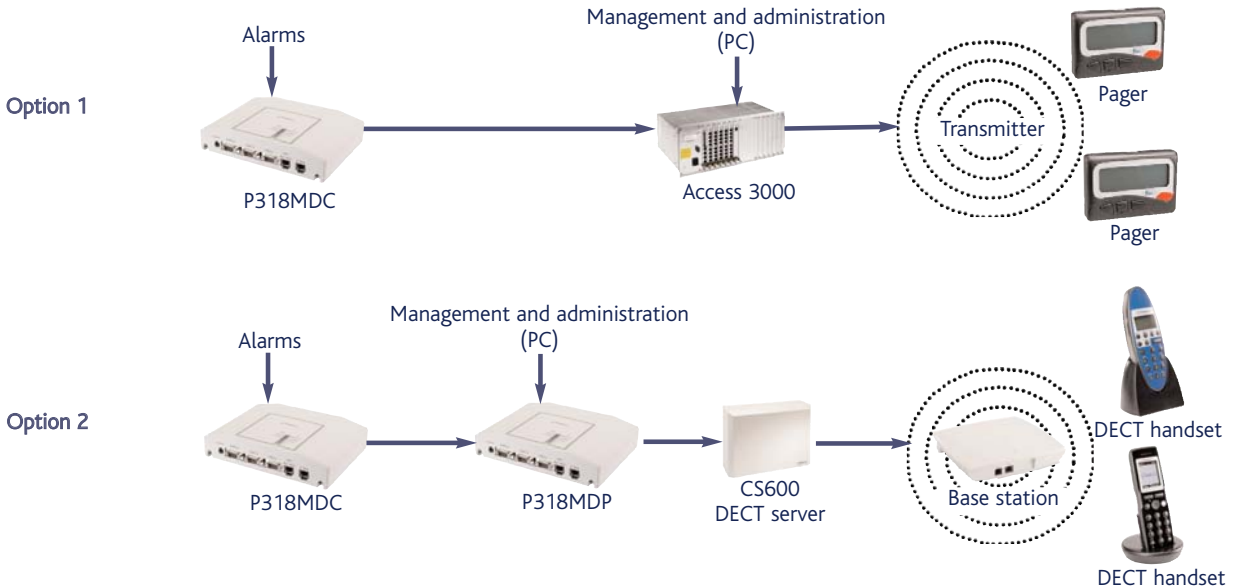
Application notes

- Limited mix and match - on the main A3K Bus you can have a mixture - no additional constraints
- You can not use a P318DC on a Euro card DLC Concentrators Sub-Bus
- You can not use a Euro card DLC interface on a P318MDC Sub-Bus
- P318MDC can be used with the Access 3000 paging system, P318MDP and P318MDA

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

P318MDC



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
- Applied voltage (open cct): 30V max
- Maximum ON voltage: 0.5V at 100mA
- Maximum current (on): 100mA

Connections

- SSK13: RS485 system Bus for paging applications
- Port A: 9-Way D-Type, configurable as RS232 - not used
- Port B: 9-Way D-Type RS232, programming input - not used
- Port C: 9-Way D-Type RS232 utility port - not used

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

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