

# P318MDE

## Supplementary information Alarms, monitoring & notification



**The P318MDE is an alarm management solution for use with Multitone Access 3000 systems. The product provides a reception interface for customer alarms, which are then sent to Multitone pagers as text messages.**

The P318MDE 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 variant is a P318MDE paging encoder with output to a paging transmitter. It is similar to P318MDP but instead of connecting to a DECT system, it directly drives a paging transmitter.

### Application notes

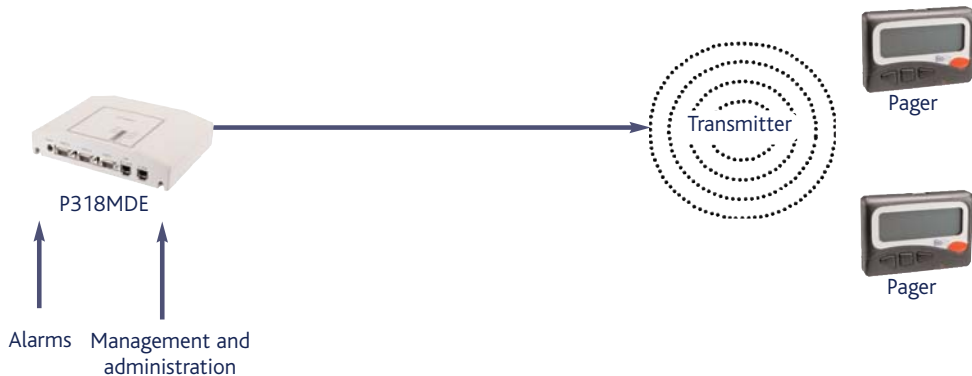
- The software is available in two variants
- DEP software allows TAP in and permits that call to be sent out via a WAD card (TAP in/TAP out). Warning: care must be taken to ensure that no circular "ping-pong" calling will result
- DEN software allows TAP in for paging, but will not allow that call to be sent out on a wide area channel. Calls from other sources can be sent out on wide area channels

Note: there are restrictions on the use of some DLC contacts.

### 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

## P318MDE



## 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 solutions - output to transmitter
- Port A: 9-Way D-Type, configurable as RS232
- Port B: 9-Way D-Type RS232, programming input or TAP output
- Port C: 9-Way D-Type RS232 - not used
- Call logger output

### 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 & 600 mA for use in the UK, Europe or North America

### Link settings

- LK12 out (DLC's 17 20 configured as inputs)
- LK11 out (DLC's 29 32 configured as inputs)
- LK15 in (DLC's 25 28 enabled as outputs)
- LK6 2/3 (DLC32 is digital data)

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