

# P318MTC

Supplementary information  
Alarms, monitoring & notification



**The P318MTC is an alarm management solution for use with Multitone's Access 3000 systems and DECT wireless servers. The product provides a reception interface for customer alarms, which are then sent to Multitone pagers or DECT handsets as text messages.**

The product 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.

The P318MTC is a stand-alone device, with 32 DLC inputs. Operation of an alarm contact with TAP messaging output provides paging and messages to devices with TAP input via a modem or direct connection, i.e. local or remote operation for alarms.

## Application notes

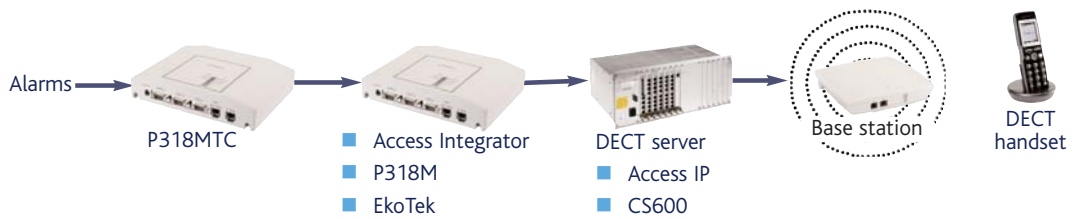
- Use P318MTC with TAP output to add an additional 32 alarm contacts to another P318M or Access Integrator or an Access 3000
- Connections to the host may be direct or via a modem. This provides a solution for generation of remote alarms

## Key benefits

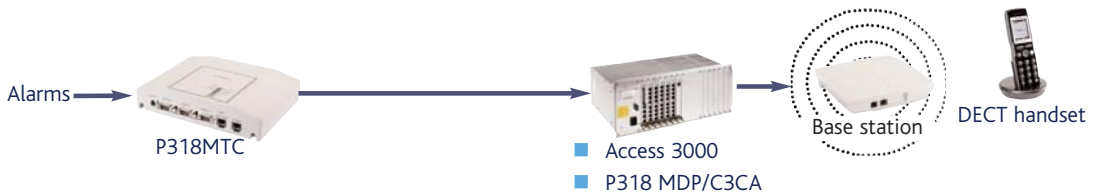
- Management on the move, improving efficiency and productivity
- Improved customer and patient services in the health environment through connection to the nursecall system
- Prevents or minimises the loss of goods through theft in unmanned locations
- Prevents or minimises loss of goods, damage to 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

## P318MTC

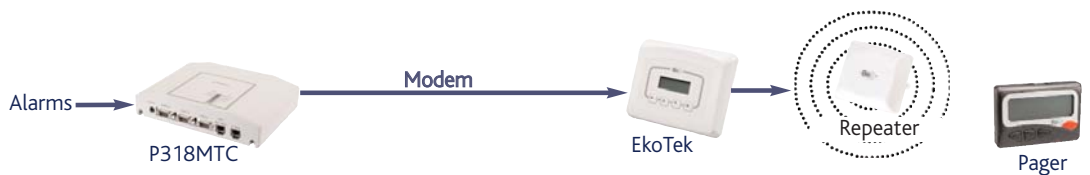
### Option 1



### Option 2



### Option 3



## 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

### Connections

- SSK13: RS485 system Bus for paging applications
- Port A: 9-Way D-Type, configurable as RS232 output
- Port B: 9-Way D-Type RS232, programming input, or TAP output
- Port C: 9-Way D-Type RS232 Utility Port

### 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

Multitone Electronics plc, Geddes House, Kirkton North, Livingston, West Lothian, EH54 6GU

Tel: +44 (0)1506 418198 Fax: +44 (0)1506 411711 Email: [info@multitone.com](mailto:info@multitone.com) Web: [www.multitone.com](http://www.multitone.com)

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