

P318MDS

Supplementary information Alarms, monitoring & notification



The P318MDS 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 will be sent to Multitone pagers or DECT handsets as text messages.

The P318MDS 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.

P318MDS is a slave device to an Access 3000 paging system and provides an interface for the addition of a CS100, CS600 or CS600-IP DECT wireless server to the paging system. It allows DECT handsets as well as pagers to be called from an Access 3000 paging system.

There is limited functionality from P318MDS alarm contacts. All primary alarm contacts are located on the Access 3000.

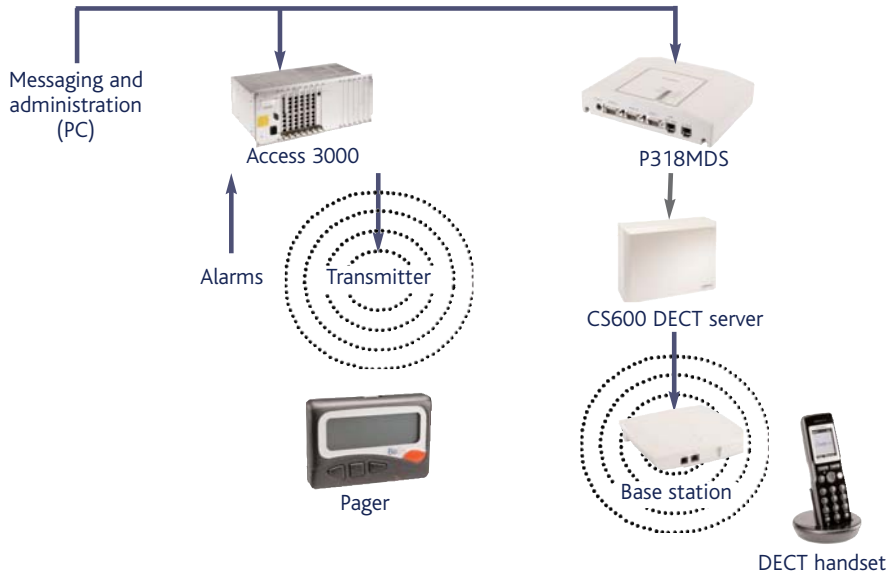
Application note

- Allows DECT handsets to be called from an Access 3000 paging system (or RPE920)
- Limited functionality from DLC inputs on the P318MDS
- Provides DLC output activation from the handset
- Long press keys are not functional
- Activation of alarm contacts will trigger a message to be sent to a pager, a DECT handset, or both.

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

P318MDS



Technical specification

Characteristics

- DLC inputs: Up to 32 active-open or active-closed contacts
- Contains: 10k pull ups to 5 volts
- Applied voltage: 30V maximum
- Contact loop resistance: 100R maximum
- Input voltage for high: 2V minimum
- Input voltage for low: 0.7V maximum
- 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 maximum
- Maximum ON voltage: 0.5V at 100mA
- Maximum current (on): 100mA

Connections

- SK13: RS485 system Bus for paging solutions
- 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

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 to DECT
- From alarm contacts: up to 1000 characters to pagers depending on pager type

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 Web: www.multitone.com

This brochure is for guidance only. Products and services offered are subject to availability and may differ from those described or illustrated in this brochure as a result of changes. Specifications are subject to change without notice. Multitone Electronics plc is part of Kantone Holdings Ltd, a member of the Champion Technology group of companies. Registered office: Multitone Electronics plc, Shortwood Copse Lane, Kempshott, Basingstoke, Hampshire, RG23 7NL. Registered in England No. 256314.

Literature No: NPL029 Issue: 01



Cert No. FM20122