



## P318 DECT MESSAGING INTERFACE

**Benefit from the messaging capability within your CS600 wireless system with the addition of the P318 messaging interface. It is designed for use with the Multitone CS100, CS600 and FuturePhone mobility servers.**

### P318DP

The P318DP is the Alarm Contact version of the messaging interface. It can accommodate up to 32 programmable opening or closing contacts that have an associated 32 character message. The message can be sent to a user or team of users. In addition it has a serial data input port for connection of external products, that generate alarms.

The P318DP can be programmed to “single shot” or “repeat” messages if the contact remains open or closed. This ensures a high level of system integrity for those important events where attention to the alarm must take place. A higher level of alarm forces acknowledgement before the handset will stop ringing. These alarm settings are global.

The P318DP features 3 serial ports, one of which may be used for data input. Port A is dedicated to the mobility server, Port B is used for programming or TAP output and port C may be used for TAP, MEP, ESPA or Austco format, input with messaging out to the handsets.

### P318DP applications

The P318 provides messaging from alarm contacts or external devices to people on the move. The closing of an alarm contact sends a message to the right person at the right time, allowing them to “manage on the move” and take action immediately. Similarly an air conditioning or freezer failure alarm is sent to the site services engineer where ever he or she is on site.

- Alarm contacts activated - messaging to handsets.
- Alarm contact output - Activate an alarm, lamp or bell.
- Low level duress alarm.
- Simple location message from the duress handset.
- Manage alarms, messages and contacts from the handset.

### Applications - Low duress personal security

The Low duress application utilises the “Long press” key functionality of the CH70 DECT handset range. A “Long press” on keys 0, 1 to 9 will activate a second function associated with the key.

*Note - Keylock will disable long press features*

This application provides two primary features:-

- By pressing key 9, an alarm will be generated to another user or team of users, and change the state of a dedicated alarm contact to trigger an audible or visual alarm. The use of key 9 could be for any application where the customer needs to respond to a problem quickly, and to summon a team of personnel to assist, by pressing a single key. The associated alarm contact can be used to sound an alarm, light a lamp or sound a buzzer.

A “Long press” on key 9 will generate the following:

- A confirmation message to the initiator
- A message to a user or team. The message may be up to 160 characters.

### Base station location

If the customer requires simple location with the application, the SMS license is required for the CS600 CCFP (this may not be used with the CS100). In addition to the alarm message, and alarm being sounded, a second message is sent to show the location of the user at the time the alarm was set off.

Note that the location relates to the base station that the user was attached to at the time the alarm was initiated. This is not necessarily the nearest.

- Key 8 will cancel the alarm and send a message to the user or team.
- Key 7 will send an “Accept” or “Acknowledged” message to the person who initiated the alarm - Help is on the way.

Long press keys 4,5 and 6 behave in the same way as key 9.

# MULTITONE BUSINESS SYSTEMS

## P318 DECT MESSAGING INTERFACE

### Technical Specification

DLC Inputs: Up to 32 active-open or active-closed Contacts  
Characteristics: 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  
Characteristics: 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  
Power Supply: +7 to +9V 500mA maximum

### Connections

SK13: RS485 System Bus  
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 (P318-TC only)  
Port C: 9-Way D-Type RS232 Utility Port, TAP, MEP, ESPA, AUSTCO protocol input, or as a call logger output

### Environment & Physical

Storage Temperature Range: -20°C to +70°C      Operating Temperature Range: 0°C to +40°C

Dimensions: Height: 63mm    Width: 120mm    Length: 170mm    Weight: 370gm

Power requirements: 230Vac or 110Vac 7.5Vdc & 600 mA for use in the UK, Europe or North America  
Power supplied is not included and must be ordered separately

### DECT handset "Long Press" key functions (Will apply according to product and application)

0 = Elapsed time of the last 3 messages	6 = Defined by the user
1 = View the most recent message	7 = Accept the alarm message and notify the originator
2 = View the second most recent message	8 = Reset the alarm contact and send a message to the users
3 = View the third most recent message	9 = Set off an alarm to send a message to a user or team of users and close a contact
4 = Defined by the user	Alarm key = Immediate alarm
5 = Defined by the user	

Note - An SMS license is required for location on the CS600 or FuturePhone (North America only)  
- Location does not currently function on the CS100 or FuturePhone (North America only)  
- The messages used with the application are entered by the Installer. They are not pre-configured

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