

## **Claude Safety Alert System** *Alert systems for the Deaf and Hard of Hearing*



- DESIGNED TO BE SIMPLY ADDED TO EXISTING ALARM EQUIPMENT
- CONFORMS TO MATERIAL PARTS OF BS5839 P1. 2002
- INDEPENDENTLY ACCREDITED TO ETSI EN300-219/279 – DISTRESS ALARMS
- EQUIPMENT IS RoHS COMPLIANT
- FROM 1KM to 10 KM RANGE
- FULLY MONITORED SYSTEM – Battery and Mains

### **TO EXTEND EXISTING AUDIBLE ALARMS OVER LONG DISTANCES**

This fully monitored system can broaden the effectiveness of an existing alarm (fire etc) system by enabling pocket receivers (dedicated "pagers") to react to an alarm condition over a range from 1 km up to 10 km (depending on local topography). In the event of the alarm being activated a "pager" will be alerted by the system sending the pre-set text message, enabling prompt onsite action to be taken.

This transmitter has been successfully utilised as an "Alert for the Deaf" system for college campus buildings, hypermarkets, other broad-based complexes and security companies monitoring client's offices and sites.

### **System Features**

The equipment has a number of features fitted as standard:-

#### **Power Supply Monitoring**

In the event of the power supply failing, an indicator on the front will report the type of failure (mains failure, battery low, battery disconnected, earth fault, charger fault). In addition, a wireless message will be transmitted reporting the fault to maintenance staff carrying pagers. The equipment will continue to function quite normally on battery backup for a period of 24 hours.



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#### **Test**

In order to carry out normal fire tests without alarming pager holders, a **TEST** key switch is provided. When this is switched on, **FIRE TEST** messages are broadcast every ten seconds. This means that the fire system can then be tested, and any **FIRE ALARM** messages received are understood to be fire tests only.

#### **Site Survey**

There is a key switch provided, which causes regular **SITE SURVEY** messages to be broadcast. They can be configured so that only engineers will receive these messages, meaning that range testing/verification can be done on site without normal pager holders being aware. This feature does not affect the normal operation of the system, and in the event of a fire alarm, this site survey mode would be inhibited to allow the important **FIRE ALARM** messages to broadcast.

Claude Systems Ltd ensures range tests have been completed before fixing in a permanent position.

#### **On-Site paging system**

If the equipment is supplied with the integral on-site paging system, it may be used to send messages to staff or visitors carrying pagers. Up to twelve pushbuttons are provided on the front panel. A simple programme can be run which will allow a message to be stored for every button. When any button is pressed, the corresponding message will be transmitted. These messages can be changed as required.

#### **Pager Dimensions**

6 cm long x 4 cm wide x 2 cm deep

#### **Transmitter Characteristics**

- Temperature Range: -10C to +55C
- Frequency: 168.9375 MHz (Dedicated distress alarm frequency)
- Channel Separation: 12.5 KHz/25 KHz
- Transmitter RF Power: HIGH 5 Watts / LOW 1 Watt
- Supply Voltages: 12V DC (derived from mains operated EN54-4 certified PSU)
- Power Consumption: Less than 1.5A at high power and less than 500mA at low power.
- Plastic Construction (UL94 V-0)
- Integral Aerial (Reduced point of failure)

#### **Note**

We would always recommend that the original alarm company is contacted to add this product to their system, to prevent any conflict or blame, should damage occur and the alarm fail. We are happy to co-operate with the installers/manufacturers as to the fitting to be supplied with our unit to ease installation and compatibility.

Please note in the UK a radio license is required to use this product. The fee is £75 per annum outside of London and other heavy urban areas. The fee is £100 within the M25 and other congested locations. We can supply the application forms or contact you nearest Radio Communications Agency (OFCOM) and ask for form RA209. All equipment conforms to the UK licensing requirements & CE regulations. (Fee charges subject to change as per OFCOM).

*The Company reserves the right to alter any technical specification, equipment or materials at any time*

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