

PageAlarm MF

KEEPS YOU IN TOUCH WITH YOUR VEHICLE

PageAlarm MF is a Vehicle Alarm System with a difference. When triggered, it personally Pages you up to 700 metres away. If you wish to let everybody know, it can also blast the air with a siren. The choice is yours. When your car telephone rings, **PageAlarm MF** also alerts your pager with a different signal.

Approved to the latest DTI specifications and manufactured to ISO9000 quality standard by **multitone**, the UK market leader in paging technology, this licence-exempt system offers cost-effective reliability and maximum security with POCSAG coding.

PageAlarm MF connects to the car courtesy light or all kinds of security devices such as: ultrasonic sensors, electronic shock sensors, battery back-up sirens etc. A remote control interface is also available to convert passive arming to radio remote control.

When the Alarm is triggered, the Control Unit/Transmitter alerts your Pager with a distinctive audible and visual signal which escalates in volume until cancelled by pressing the acknowledge button on the Pager. If not, the Pager will persist in periodically reminding you until you do press the Pager button. The Pager will then replay the 'alert' you missed from its memory. In fact, it can memorise the last four alerts that were not acknowledged by you.

A ringing Cellular Phone or Mobile Radio can alert your Pager with a different signal. Similarly, when the control unit is armed or disarmed, the Pager confirms this with two other different signals.

PageAlarm MF comes with one lightweight, compact 'Microbleep' Pager. Comfortable to wear in the top pocket or on the belt or alternatively carried in your pocket or small handbag, 'Microbleep' will alert you audibly and visually in its normal mode. When you are in a meeting, you can switch it to the 'Mute' mode and it will alert you visually and silently.

The 'Microbleep' uses a single AAA alkaline battery which, thanks to its advanced circuitry, gives excellent battery life and reduced ongoing cost.

Features:

- ◆ Provides 4 signals: Alarm, Phone, Arm, Disarm
- ◆ Addresses the problem of ignored sirens in the street
- ◆ Practical respond range of 250 to 700 metres
- ◆ Automatic arming/disarming with entry/exit delays
- ◆ Approved to the DTI specification and licence-exempt
- ◆ Uses existing car aerial, including electric automatic
- ◆ Connects to most cellular phones and mobile radios
- ◆ BABT approved for connection to cellular phones
- ◆ Ideal for cars, service and delivery vehicles



PageAlarm MF is a short range Alarm Paging System in the *AlarmTell* series from:

SLD Security & Communications

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PageAlarm MF Vehicle Specification

Main Control Unit/Transmitter

Installed inside the vehicle for maximum security, the unit transmits coded alarm paging signal when the *Alarm* is triggered or when the *Telephone/mobile* radio is being called. The coded signals, of 2 million combinations, will normally be received by the pager up to 700 metres away.

Operation of the Alarm When Fitted to a Car

PageAlarm MF is armed when the ignition is turned OFF and the last door is closed (after 30 seconds delay). Arming is confirmed by an audible and visual signal on the pager,

Disarming the alarm is carried out by opening the driver's door and turning the ignition to ON within a fixed entry delay period. This is confirmed by a distinctive 'disarm' bleep on the pager.

Attempted entry will signal the pager with a distinctive sound which increases in volume until cancelled by the user.

Calls to mobile radio or cellular phone can also generate another distinctive tone on the pager.

Visual signalling on the pager will also take place in all cases.

Optional Accessories

Accessories include: Remote Control Interface to convert passive arming to radio remote control

Ultrasonic Intruder Detector for additional interior protection against forced entry via windows, sunroof etc

Battery Back-up Siren to be connected to **PageAlarm MF** switched *Siren* output

Electronic Shock Sensor to trigger the *alarm* if impact or forced entry to the vehicle is made.

General Specification

Frequency Bank	48 MHz
Channel Spacing	12.5kHz
Code Format	Binary digital with error detection and correction (POCSAG)
Data/Baud Rate	512bps
Modulation	FSK

Pager/Receiver Specification

Address Capability	2 million per channel
Sensitivity	Better than 15uV/m
Alerts	Escalating, discrete and extended
Memory	Up to 4 different unacknowledged alerts will be stored in memory
Battery	1 x AAA alkaline cell
Battery Life	1500 hours
Size	77 x 36 x 16.5mm excluding clip
Weight	52g including battery

Paging Alerts

a) Alarm Armed	-----
b) Alarm Triggered	-----
c) Car Phone Ringing	-----
d) Alarm Disarmed	- _ - - - - - - - -

All signals are cancelled by the user when the red Acknowledge button on the pager is pressed.

Pager Settings

The pager has the following settings:-

'O' :	Off	Will not receive signals
'M' :	Mute	Visual signal only (LED)
'N' :	Normal	Audible and Visual signals

Control Unit/Transmitter Specification

Output Power	10mW ERP (MPT1336)
Aerial Impedance	400 ohms
Addresses	4
Size	140 x 100 x 32mm
Power Input	10.5 to 15.5V dc
Power Consumption	35mA, armed 170mA, transmitting
Alarm Trigger	Input going LOW as standard or HIGH by link option; timed input going LOW; immediate
Radio/Phone Trigger	switched +ve supply @ 2A max
Siren Output	switched +ve supply @ 2A max
Auto Aerial Output	standard 32 s; Nil by link
Arming Delay	standard 8 s; Nil by link
Trigger Delay	

Wiring Connections

Red wire	+12V constant supply
Black wire	Earth
Pink wire	Ignition switched +12V
Blue wire	Door switch input
Orange wire	Automatic aerial trigger output
White wire	Telephone input
Green wire	Siren output

Coaxial Antenna Input (ANT)	Car aerial or dedicated aerial for transmission of pager signal
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Coaxial Radio to PageAlarm MF link	When car aerial is used, rejoin this to car radio
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Control Unit/Transmitter Options

1. The *Alarm* input can be configured to trigger when 'high' or 'low'. This option is available inside the control unit on link LK1 as follows:

LK1 on 1-2 pcb markings: will trigger when input is joined to Earth; standard setting

LK1 on 2-3 pcb markings: will trigger when input is joined to +12V supply.

2. Entry/Trigger delay timing can be used or deleted by configuring link LK2 inside the Control unit as follows:

LK2 on 1-2 pcb markings: 8 second Entry or alarm trigger delay; standard setting

LK2 on 2-3 pcb markings: this will delete the Entry or alarm trigger delay for remote control arming.

3. Exit/Arm delay timing can be used or deleted by configuring link LK3 inside the Control unit as follows:

LK3 on 1-2 pcb markings: 30 second Exit/Arm delay; standard setting

LK3 on 2-3 pcb markings: this will delete the Exit/Arm delay for remote control arming

4. The *Radio/Phone* Input will trigger Outputs in accordance with link LK4 inside the Control unit as follows:

LK4 on 1-2 pcb markings: will trigger *Auto Aerial* output pin only; standard setting

LK4 on 2-3 pcb markings: will trigger *Auto Aerial* and *Siren* output pins.