

# MULTITONE PAGING RECEIVERS



## MIT470 POCSAG PAGING RECEIVER

Multitone's MIT470 Series pager packs the advanced functionality expected of a top-end business pager into an attractive unit with a superb display. Its advanced capabilities are better described as a "Mobile Information Terminal" as it has wide applications in both public and private networks. Naturally it has a large memory, time stamping, alarms and memory management; but it retains real simplicity of operation.

### 96 Character Display

Although the MIT receiver is compact, its large screen can display 96 characters allowing the whole message to be seen with a single glance. The user selectable double height facility and the superb backlight further improve legibility in low light conditions.

### Information Services

Up to 12 addresses can be allocated to maildrop services giving instant access to important business or commercial information such as changes in exchange rates or traffic/flight details. Service titles can be customised as a menu to further simplify information retrieval.

### Language Options

The MIT470 presents all its operation menus in plain language. Up to 12 languages are available including Russian and Hebrew.

Whatever your industry the MIT470 helps keep you in control. Integrated to your in-house process monitoring systems the MIT470 can provide the mobile supervisor with information on machine temperature, key pressures, flow rates, material availability, motor speeds, environmental measurements etc. The list is endless but the application is customised.

### The Vital Link Between Systems and People

In an age where control and monitoring systems are computerised, process information frequently demands a rapid response. However it is not always efficient to have people constantly monitoring computer screens or mimic panels. Multitone can provide that vital link between your systems and mobile staff.

### Time Sensitive Data

Now mobile members of staff can remotely monitor critical machinery or processes anywhere in the place of work removing the need for permanently manned monitor stations. This leads to greater staff efficiency plus a swifter response to situations as they arise.

### The Mobile Information Terminal

At the most basic, the MIT can inform that a particular process or event requires attention. More sophisticated applications can show data traditionally restricted to staff at a monitoring station. One or more staff can now receive regular reports of process activity, site security or the condition of critical machinery. Precise information can be instantly conveyed to staff that need to know.

### Intrinsically Safe Variants

As well as being a versatile business pager the MIT470 is also available as an ATEX approved Intrinsically Safe receiver. Designed so that users working in explosive environments can remain safe, and still have all the functionality of the standard MIT unit, the MIT470 IS is the ultimate in I.S. paging receivers.

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### Radio Performance:

	VHF	UHF
Frequency range:	137.5-174MHz	439-470MHz
Channel spacing:	25kHz	12.5/20kHz
Sensitivity (typical)		
Best position:	5µV/m	8µV/m
1200 baud	7µV/m	10µV/m
8 Position average	8µV/m	11µV/m
1200 baud	10µV/m	14µV/m
Intermodulation rejection:	55dB	50dB
Adjacent channel selectivity:	65dB	65dB
Spurious response:	60dB	60dB
Image response:	60dB	55dB
Spurious emission <1GHz (max.):	2nW	2nW
FCC Approved		

### Environmental

Operating temperature:	14°F to + 131°F	-10°C to +55°C
Storage temperature:	7°F to + 175°F	-20°C to +65°C

### Operational

Code format:	CCIR RPC No. 1 (POCSAG) 512 or 1200 baud
Addresses:	Up to 4 RICs, each with 4 function codes 12 Addresses switchable over air
Alerts	
Audible (typical):	80dB SPL @ 30cm
Vibrate:	Internal vibrate motor (not on the I.S. version)
Visual:	Red LED
Display:	Supertwist LCD with Electroluminescent backlight (not on the I.S. version)
Characters (standard mode):	96 (4 rows of 24 characters)
Characters (double height mode):	48 (2 rows of 24 characters)
Memory	
Characters:	6448
Messages:	64

### Battery

Size:	Single AAA cell
Life:	Typically 800 hours

### Intrinsically Safe Versions

Conforms to:	EN 50014:1997 + Amendment 1 & 2    EN 50020:2002    EN 50284:1999
Approval classification:	Ex II 1GD EEEx ia IIB T4 (-10°C ≤TA≤ + 55°C)
Certification Number:	Baseefa03ATEX0720X
Battery Life reduced to typically 500 hours on the IS variant due to losses in the protection circuitry.	

### Dimensions

Width x Height:	5.1 in. x 3.5 in.	82mm x 57mm
Thickness (max., less clip) :	1.1 in.	18mm
Weight (including battery and clip) :	3 oz	86g

### Accessories

Desk top charger (for use with rechargeable batteries only)	Type No. P602	Power supply for racks: Type No. D3PC (110V), D3PD (UK), D3PE (EU)
PC Interface jig (for reprogramming)	Type No. P650	Power supply for P602: Type No. LP3001
4-Way AAA battery charger	Type No. LP3129	Master charging/absence rack: Type No. A3RQ (supports 9 slaves)
Slave charging/absence rack	Type No. A3RS	

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