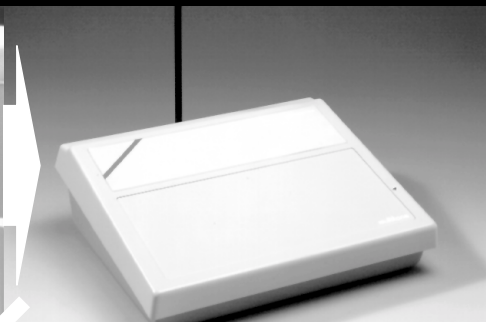


HF & UHF Serial Encoders

RPE 670 Series

Fire Alarm Control



Machine-originated information for mobile staff

The increased use and investment in computerised control and monitor systems has led to large efficiency gains, but to constantly monitor these systems is not an efficient use of resource. Multitone™ using its unparalleled experience in radio communications, has developed the RPE 670 Series to provide a time critical link between computerised systems and key staff, without the need for continuously manned monitor stations.

A new solution

The integration of paging into security systems, fire panels, process controllers, building management, nurse and warden call systems has now moved a step forward with the introduction of the RPE 670 Series. This product offers a high quality, cost-effective and easy to install solution to

the problem of integrating mobile communications with the growing range of computer based applications.

RS232 coupled and multiple message types

The RPE 670 Series encoder enables any system with an RS232 port to send time critical information directly to an engineer or supervisory staff via a text pager. Information can be presented as either a Tone, Numeric or Text message with 1-way speech as an option.

Time sensitive data for mobile staff

The RPE 670 Series allows mobile staff to remotely monitor key systems from anywhere within the work place. The need for

- Unsupervised monitoring
- High quality cost-effective one box solution
- Simple to install
- Time critical information to mobile staff
- Serial machine interface
- Text messaging
- Open/Closing contacts
- Differing alert tone patterns



SPECIFICATION

| | RPE 671 (HF) | RPE 673 (UHF) |
|--------------------------------|--|--|
| TRANSMITTER PERFORMANCE | | |
| Frequency range | 25 to 54MHz | 420 to 470MHz |
| Frequency stability | +/-10ppm | +/-5ppm |
| Output power | 2.5W | 2.5W |
| Duty cycle | 50% | 50% |
| Normal load impedance | 50Ω | 50Ω |
| VSWR protection | Protection against short term removal of the antenna (maximum of five calls with antenna disconnected) | |
| Channel spacing | Factory set to: 10, 12.5, 20 or 25kHz | Factory set to: 10, 12.5, 20 or 25kHz |
| Antenna | Stand-alone base loaded HF whip with 4m cable | Rear mounted UHF stub |

STANDARD FEATURES

| | |
|-----------------------|--|
| Code format | Multitone Mk6 or Mk7 |
| Beep codes | 8 (speech, non-speech, team) |
| Numeric Messages | Up to 10 digits (Mk6) |
| Alphanumeric Messages | Up to 60 characters long alphanumeric messages (Mk7) |
| Speech transmission | Up to 256 seconds total transmission time |
| Team call | Any format teams of 10, 100 or 1000 receivers |
| Remote contacts | 8 configurable contacts (unpowered circuits, max loop resistance 150) |
| Computer Interface | Serial data, proprietary protocol, TAP or ESPA 4.4.4 using RS232C. Full protocol details available upon request. For details of the FCPC please contact your Multitone sales representative. |

POWER INPUT

240V 50Hz, 220V 50Hz, 117V 60Hz (into separate PSU)

PHYSICAL

| | | |
|--------|--------|-------|
| Width | 235mm | 235m |
| Depth | 210mm | 210mm |
| Height | 50mm | 75mm |
| Weight | 0.75kg | 1.1kg |

ENVIRONMENT

Operating Temperature -10°C to+55°C

continuously manned monitor stations is removed. Not only is greater staff efficiency achieved, but a swift response to emergencies is obtained.

Easy to interface

A dedicated serial port is required on the originating device and Multitone's paging protocol (MEP), TAP or ESPA 4.4.4. should be implemented. Multitone can supply a fully documented support package, to enable easy programming of equipment.

In situations where either MEP, TAP or ESPA 4.4.4. protocols cannot be implemented the RPE 670 Series can still provide a paging interface via Multitone's Field Configurable Protocol Converter (FCPC) this converts ASCII or a data string from an event logging port into relevant paging messages.

Transmitters

The RPE 670 Series serial encoder is supplied with either an integral 2.5 watt HF or 2.5 watt UHF transmitter.

Multitone Electronics plc

Head Office
Multitone House
Begganwood Lane
Kempshott Hill
Basingstoke
Hampshire
RG23 7LL
Tel: +44 (0) 1256 320292
Fax: +44 (0) 1256 462643
E-Mail: Info@multitone.co.uk

Northern/Scottish Office
Unit 33, Geddes House
Kirkton North
Livingston
West Lothian
EH54 6GU
Tel: 01506 418198
Fax: 01506 411711

Multiton Elektronik GmbH
Dusseldorf, GERMANY

Multiton Elektronik GmbH
Vienna, AUSTRIA



Designed and manufactured in accordance with Quality System ISO 9000.
Certificate Nos. FM20122 and Q10379.

The Multitone policy is one of continual improvement, so equipment may vary in detail from the description and specification in this publication.

