

ES-Firecoder

Supplementary information

Emergency services



As one of the world's most experienced paging companies, Multitone is the first choice for Emergency Service solutions.

Now more than ever you need equipment you can totally depend on and a supplier you can trust. Our policy of continuous development has instigated the development of the ES-Firecoder station end and the Firecomms+ software suite that will serve the communication needs of Emergency Services for years to come.

RPE1650 ES-Firecoder

The RPE1650 ES-Firecoder has been designed to meet the requirements of Emergency Service station ends, both wholetime and retained. The hardware and software has evolved through three generations to the present platform. The software protocol used for communications is the Home Office protocol GD92 version GD92/1003A/2.2. This protocol is "closed loop" thus ensuring message delivery. The software also supports the Home Office specification MG4 for firefighter alerting.

In addition to system messages, the unit can deliver "unsolicited" messages to a GD92 network manager. This gives the system a degree of self-monitoring, essential for an emergency service. Remote diagnostics and configuration are inherent within the unit. Multitone's implementation of GD92 has Home Office accreditation.

The RPE1650 ES-Firecoder is highly flexible and can deliver solutions pertinent to any authority with respect to software and hardware configuration.

Features

The RPE1650 ES-Firecoder is a self-contained programmable GD92/MG4 system complete with:

- router
- peripheral agents
- printer agents
- communication agents (LAN/WAN, PSTN, ISDN, Tetra, etc)
- wide area agents (email, SMS, national paging)
- alerter agents
- file transfer support using GD92 bearers

Key benefits

- Designed to meet the requirements of Emergency Service station ends, both wholetime and retained
- The software protocol used for communications is the Home Office protocol GD92 version GD92/1003A/2.2
- "Closed loop" protocol thus ensuring message delivery
- Software supports the Home Office specification MG4 for firefighter alerting
- Can deliver "unsolicited" messages to a GD92 network manager, giving the system a degree of self-monitoring
- Is a self-contained programmable GD92/MG4 system

The ES-Firecoder will accept messages from a control centre and deliver the appropriate message to:

- alerters (via local and hill-top sites or single/multiple transmitters)
- printers
- public address systems
- message boards
- peripheral devices (bells, lights and doors etc.)
- delivering to the originator acknowledgements of success or failure.

This comprehensive and inherent functionality of the ES-Firecoders makes the unit one of the most powerful station end mobilising systems in the world today, allowing fire services to "future proof" station end mobilising for many years to come.

Technical specification

Electrical specification

- Input: 3 Pin XLR
- Input voltage: 24V DC nominal (22V DC - 30V DC)
- Input current: dependent upon power source & ancillary attachments
- Ancillary output voltages: 3 * 3 Pin XLR 24V DC nominal - fused options up to 8A
- 2 * 4 Pin XLR 13.5V DC nominal - fused options up to 8A

Physical characteristics

- Weight: 7.1 kg
- Height: 132mm (3U)
- Width: 483mm (19" rack mounting)
- Depth: 422mm or 300mm options

Environmental specification

- Temperature: operating range 0°C to +50°C
- External forced cooling required above: +40°C
- Humidity: up to 90% RH (non-condensing)

Back panel I/O port facilities front panel access facilities

- 5 x UPIs (USB Peripheral Interfaces)
- 2 x RS232 serial ports
- 1 x PS2 mouse port
- 1 x PS2 keyboard port
- 1 x RJ-45 LAN port
- 1 x VGA Port
- 3 audio jacks: line in, line out, microphone in

- 2 x transformer (600 ohm) isolated line out (left & right)
- Two-line LCD status display
- Local activation of user defined menu options
- Manual acknowledgement & reprint facility
- Six status LEDs
- Three user defined LEDs
- 2 x USB 2.0 ports