



DRC1 - Single Channel Desktop Radio Control Unit

Key Features

- User configurable
- Selective calling
- FFSK signalling
- Handset, headset and desk microphone options
- Additional accessory port
- RS232 data port
- Audio recording output
- Common headset facility



In Brief

The DRC -1 control unit is housed within an ergonomically designed compact and robust case with a 37 button keypad, a 2 x 20 character LCD and is complete with a telephone-style handset and external power supply unit.

The DRC-1 is a powerful and unique communications controller, which can control base stations from all the leading manufacturers. This is achieved with the user selectable, line control protocols. Similarly, both standard and unique selective calling formats can be user defined, meaning the DRC-1 can accommodate customer specific requirements with the minimum of effort.

Programmable Keys

Each DRC-1 is operated with single keystrokes via the unit keypad, or alternatively by using a nested menu facility. In addition to these intuitive operator functions the user has the option to assign a number of buttons to frequently used facilities, giving the user rapid access to common system procedures.

Features

The DRC-1 has full selective calling capability, including a call stack and emergency calls, with user selectable tone formats and call alert tones. It supports common headset working for taking radio and telephone calls as well as having the ability to interconnect these calls.

To control the base station the DRC-1 can be user programmed for direct DC connection for local control, 300 baud FSK signalling, Tone Remote or proprietary FFSK line signalling (this would require the TC1 Base Station Control Unit also available from AWCSL).

User customised options include the facility for alpha tagging of radio channels, selective call addresses and status messages. Each alpha tag comprises 8 characters and the DRC-1 supports 256 channel tags, 10 000 Identity tags and 1 000 status messages.

Recording Facility

Included with the standard features of the DRC-1 is a local tape record output port. This facility is designed for an instant record and play back device with play back available from either the headset or handset. Both radio and telephone audio is presented to the tape port.

Connectors

Base station Port
Handset Port
Headset Port
Desk Mic Port
RS232 Data Port

Footswitch Port
Auxilliary Port
Common Headset
Tape Recording Port

Future Proof

In common with all AWCSL products, the DRC-1 with its inherent flexibility can be used as a stand alone desk top dispatch controller. Similarly, it can be used in the more complex switched based control room applications by connection to the DS-32 switch equipment. This unique design concept ensures that the family of control equipment from AWCSL is a flexible and the least expensive solution available today.

Options

A range of operator options are available with the DRC-1 including operator instruments and accessories. The controller can be supplied with a desk microphone as an alternative to the headset or handset. A footswitch can also be used in conjunction with the alternative operator instruments.

For busier control rooms a PC based front end is available for the DRC-1. This is a Windows application that provides a graphical representation of the controller facilities and provides more detailed call information than the control units built in LCD.

For multiple operator systems the DRC-1 can be connected in parallel with upto 3 other DRC-1 desktop controllers. To ensure maximum efficiency the basestation should be equipped with the TC-1 control unit enabled for both way monitor. This will allow parallel operators to monitor outgoing audio from the other operators.

Specification

Power supply: 12volts 1 amp dc
Dimensions: 250(h) x 220(w) x 120(d) mm

Line interface: 4wire -2 to -22dBm.
Record Level: -10dBm
Auxilliary Level: -10dBm

In the interests of continued development, AWCSL reserve the right to change this specification without notice.

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