



PDT3000

Paging Data Terminal



General Description

The PDT3000 Paging Data Terminal is an intelligent multi-function paging device capable of receiving and displaying messages on a large graphical LCD display as well as providing multiple output and control options.

It is able to print messages directly to a parallel or serial printer, output the message data via serial ports or control or receive data from external devices via its two serial ports.

The PDT3000 has four relay control outputs internally and may additionally be interfaced with an external RCM3000 relay board for multiple relay control.

The ruggedized case of the PDT3000 is constructed of glass reinforced ABS that gives it a strength similar to aluminium for operation in harsh environments such as mounting on forklifts for in-plant messaging. Depending on the connector configuration it can also be made weathertight to a rating of IP65.

Other options include an inbuilt POCSSAG paging encoder for repeater or rebroadcast applications and other specialised serial data inputs and outputs for control of devices such as LED signs.

The PDT3000 is available in a number of configurations with different connector combinations and weathertightness ratings and has a number of mounting options to choose from.

Applications

In-vehicle paging receiver
Paging system monitoring
LED Sign control

Desktop pager
Message logging
Paging printer

Emergency alerting device
Remote control
Off-air decoder

Features

Easy to use intuitive user interface
Large 4, 6 or 8 line graphical display
Very large capcode capacity
Printer output (Centronix parallel or serial)
Programmable serial data output (2 ports)
Relay control outputs (4) capcode & message activated

Battery backed real time clock
Pocsag encoder output
User settable display and alerting functions
Receivers available for most paging bands
Pocsag and Flex versions available
Multiple mounting options

Specifications

Display Size 130 x 40mm (Approx 5 x 1.5in)
Receiver Synthesised
Frequencies 148-174, 450-470, 929-932 MHz
(Other frequencies by request)
Protocols Pocsag & Flex
Channel Spacing 25 KHz
Data Transmission Rate 512-2400 bps (Pocsag)
1600/2-6400/4 (Flex)
Frequency Deviation +/- 4,5 KHz
Receiving Sensitivity 5 uV at 1200 bps

Selectivity better than 60 dB
Image Rejection better than 55 dB
Spurious Rejection better than 55 dB
Frequency Stability 10 ppm at -10C~+60C
Power 12-32 V DC/AC (12VDC Nominal)
150mW @ 12V
Physical 230 x 94 x 56mm (~9 x 3.5 x 2in)
(Excluding brackets and antenna)
-10oC to 70oC
Temperature Range

Options & Accessories



Standard accessories



U Bracket and knobs (option)



Plug pack power supply (option)



RCM3000 relay control module



IP65 rated back cover & connector



PDT3000 Programming Kit