



PSR3000

Paging Serial Data Receiver



General Description

The PSR3000 is a powerful but low cost paging receiver/decoder with a single serial data or TTL output. It incorporates an M16 processor which provides a significant amount of data processing capability.

The PSR3000 is designed for OEM integration into other equipment to "paging enable" that equipment however given its significant processing capability it can often be used also as the primary controller for other equipment at the same time that it is acting in its primary role as a paging receiver/decoder.

Applications it may be used for include a wide range of data control applications such as, remote control, LED sign control, power load shedding, irrigation control etc.

The PSR3000 also provides up to 4 digital control outputs or may be interfaced with the RCM3000 Relay Control Board for multiple relay output.

The PSR3000 is often used to replace old legacy receivers such as the CreaLink® FLX PDR however it actually has considerably greater processing capability and programmability than any other similar looking device in the market.

WiPath can assist with system integration and customized software for interfacing with other equipment.

(Please note: minimum order quantities apply)

Applications

Remote control
Remote switching
LED Sign control
Remote rebooting

Telemetry
Irrigation controllers
Broadcast services
Plant monitoring & control

Power load shedding/Meter disconnect
Pocsag encoding
Warning systems
Data transfer

Features

Small footprint
Interchangeable receivers for different frequency bands
Programmable serial or TTL data output
1 Relay and 3 digital outputs

Low power consumption
Pocsag encoder output
Pocsag and Flex

Specifications

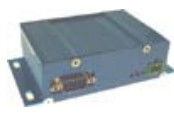
Receiver	Synthesised
Frequencies	148-174, 450-470, 929-932 MHz (Other frequencies by request)
Protocols	Pocsag & Flex
Channel Spacing	25 KHz
Data Transmission Rate	512-2400 bps (Pocsag) 1600/2-6400/4 (Flex)
Frequency Deviation	+/- 4.5 KHz
Receiving Sensitivity	5 uV at 1200 bps

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	92 x 65 x 16mm (~3.5 x 2.25 x .75in)
Enclosure (Optional)	120 x 75 x 32mm (~4.8 x 2.8 x 1.25 in)
Temperature Range	-10oC to 70oC

Options & Accessories



Standard accessories



Aluminium enclosure



Plug pack power supply (option)



PDTP Programming Kit