



RX10 Receiver

The *Scope™RX10 Serial Receiver* is a POCSAG receiver decoder equipped with 10 individually controlled relays, a common relay and an RS232 serial port. Its designed to give the user Maximum flexibility. The receiver can receive pages and output the results to a printer or PC and activate other devices by means of contact closure. The RX10 can be configured to allow the unit to function with a Scope transmitter as a repeater station.

The RX10 Receiver can be configured to respond to all pager addresses or only specified addresses. Output relays can be set for latching, monetary or Toggle. All Relays have NO, N/C and Common available on screw Terminal blocks.

All functions are programmable using a PC based program.



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- ▶ Serial Output to PC or Logging Printer
 - ▶ All Relays are individually controlled
 - Turn ON and OFF with difference pager numbers
 - ▶ Relays can be programmed for Latching, Monetary or Toggle
 - ▶ Manual Reset of ALL relays using the Key Switch
 - ▶ Front Panel LED's indicate when each relay is energized
 - ▶ Baud Rate 1200 or 512
 - ▶ Alphanumeric or Numeric Pages

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SPECIFICATION SHEET

Operating	12 – 13.8 dc max @ 0.7A
Input Voltage	115 Volts AC Wall Adapter UL Approved
Power Consumption	
Standby (relays off, no serial port)	28mA
Standby (relays off, serial port connected)	38mA
Active serial decoder	63mA
Active all relays + sounder	648mA
Signal Format	POCSAG FSK NRZ(Normal or Inverted)
Frequency (fixed crystal)	In the range 440 – 470 MHz
Frequency Stability	+/- 10ppm
Channel Spacing	25KHz
Frequency Deviation	+/- 4.5KHz
Over Air Baud Rate(fixed programmable)	512/1200/2400 bps
Sensitivity	Maximum
512bps	6 μ V/m
1200bps	7.5 μ V/m
2400bps	8.5 μ V/m
Selectivity	>52dB
Image Rejection	>52dB
Spurious Rejection	>60dB
Inter-modulation	>52dB
Relay Contact max rating	0.5A @ 125V ac, 1A @ 60V dc
Serial Port	RS232, n, 8 1
Serial Baud Rate (fixed programmable)	1200 to 115200
Antenna	¼ Wave with BNC termination