

Apollo Paging Repeater

For Extending Paging Signals into Coverage Problem Areas



"We Deliver Information at the Speed of Light"

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P/N= RP125

Key Features:

- Repeat POCSAG RF Paging Signal
- Antenna for RX / TX Auto Switchable by Software
- Output Power up to 5 watts (HIGH) or 2 watts (LOW) *
* 2 watts is Suggested for Most Applications
- RS-232 Com Port (Used for Programming Only)
- Easy to Mount (Comes with Screw Mounting Hardware)

Specifications:

- Model: Apollo RP-125 Repeater
- Enclosure: Aluminum
- Frequency: UHF 440-470MHz and VHF 137-144MHz or 144-174MHz (Specify Frequency when Ordered)
- Modulation Type: F3D, F3E
- Channel Spacing: 12.5 Narrow Band (NB)
- RF Output Power : 2 to 5 watts
- Current Consumption: Standby 100mA, TX (5 w) 1.2 – 1.8A, TX (1w) 0.5 – 0.9A
- Harmonic Radiation: Below -36 dbm
- Frequency Stability: 2.5 ppm
- Frequency Source: Synthesizer
- Temperature Range: -10° C to 60° C
- Dimensions: 65.5 W x 30.05 H x 95.0 D mm (w/o Antenna)
- Weight: Approximately 245g (w/o Antenna)

Transmitter Information:

- Carrier Power: HI= 5 w \pm 0.5 db, LOW= 1 w \pm 0.5 db
- Frequency Stability: \pm 5ppm @ VHF, \pm 3ppm @ UHF
- Adjacent Channel Power: < 70dbc
- Channel Spacing: 12.5 Narrow Band (NB)
- Frequency Deviation: 2.5KHz – 1.8KHz Peak @ 12.5 Ch SP
- RF Output Power : 2 to 5 watts
- Conducted Spurious Emission: -57dbc

Receiver Information:

- Sensitivity: WB 512 bps < -120 dbm, 1200 bps < -119 dbm, 2400 bps < -116 dbm
- Receiver AF Response: DC 1.2KHz – 3 db
- Adjacent Channel Selectivity: > 52db at 12.5 KHz CH SP
- Spurious Response Rejection: 70db
- Image Response: > 70db
- IF Response: > 70db
- Inter-Modulation Response Rejection:
 \pm 25KHz / 50KHz = 65db, \pm 50KHz / 100KHz = 65db

NOTE: Frequency Required when Ordered

Pager Baud Rate and Cap Code(s) are needed if WaveWare to Program for you.

Programming Software and RS-232 Cable Available on Request