



Relay Output POCSAG Receiver



The 12-84 Relay Output Receiver is available both VHF 12-84-0150 and UHF 12-84-0450. It provides the capability of remote activation or deactivation of relays on receipt of commands from any portable or fixed location POCSAG Paging transmitter or wide area paging network

The unit receives and decodes a numeric or alphanumeric pager call. If the received unit number matches the 12-84 unit number or group number, the relays are switched as commanded by the message.

The receiver is supplied with two clean contact relays rated at 1A 24V DC operation. LEDs indicate receiver operation and the relay(s) status.

Normally closed and normally open relay contacts are available and the relays can be individually programmed for latching or momentary operation.

The serial connector is used for programming the relay receiver using the Salcom 12-46 programming cable (ordered separately) and it also provides a serial output using an optional serial cable. The serial output is ideal for applications which require the monitoring of off-air data.

The 12-84 is an economic solution for basic remote control applications where only one or two switched outputs are required.



SPECIFICATIONS

Enclosure	135mm x 100mm x 30mm. Extruded aluminium case.
Supply Voltage	10V to 17V, nominal 12V.
Current Drain	Standby 60mA plus 18mA per energized relay.
Relay Contacts	1 Amp @24VDC. (not suitable for 240VAC connection)
Temperature Limits	-10 to +50°C.
Environmental protection	Weather protection should be provided for outdoor use.
Frequency Range	148-161Mhz (model 12-84-0150). 450-470Mhz (model 12-84-0450).
Frequency Control	Synthesized, programmable via Salcom Product Support software
Receiver sensitivity	Approximately -124dBm.
Aerial Connection	Supplied with BNC connector and antenna.
No of Capcodes	Up to 16 or decode any capcode.
Priority Decode	One of four levels.
Paging Protocol	POCSAG 512 or 1200 baud auto-selected
Message Type	POCSAG numeric, alphanumeric, inverted or normal.

- Extremely sensitive receiver
- Synthesized frequency selection
- 12 volt operation
- Individually programmable outputs using the Salcom 12-46 programming cable (ordered separately)
- RS232 serial output (optional cable)
- Ideal for remote switching applications - lights, pumps
- Capable of operation on normal POCSAG paging networks or in-house systems for remote operation applications
- Reverse polarity protected
- Led indication of correct receiver operation
- Relay restoration on power-up
- Rugged extruded aluminium case

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