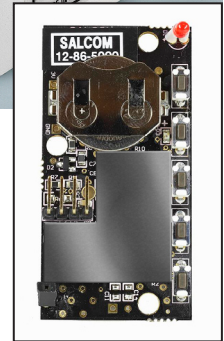




12-86-9000 CALLPOINT PAGING TRANSMITTER



12-86-5000 PCB

Ideally suited to a variety of retail assistance and control applications, the 12-86-9000 is a small, high specification, POCsag paging transmitter utilising the 12-86-5000 paging transmitter printed circuit board, subsequently inheriting all its type approvals. It is capable of transmitting text messages directly to pocket pagers.

The 12-86 range of products can send text messages directly to paging receivers, providing simpler, lower cost systems since intermediate receivers and transmitters are not required for short range applications.

Using an appropriate receiver, the 12-86-9000, can also be used for a general remote control applications such as turning on lights, disabling alarms etc.

Powered by a standard CR2032 coin cell, the transmitter will operate for more than one thousand transmissions under normal conditions before the battery needs to be replaced.

RF Frequency	UHF: 440 - 470MHz synthesized
Dimensions	Default size: 103mm x 50mm x 42mm On request: 117mm x 74mm x 37mm
Supply Voltage	3 volt CR2032 button cell or larger battery pack by negotiation
Power Consumption	Sleep: 100nA Transmit: 45mA
Battery Life	Approximately 1000 transmissions Approximately 10 years standby
Temperature Limits	-10°C to + 55°C. -30°C to +60°C on request
Environmental Protection	Requires protection from weather (it is not water-proof)
Channel Spacing	25kHz
Output Power	Approximately 10dBm
Modulation	Carrier FSK with NRZ data
Deviation	± 4.5kHz
Transmit Duty Cycle	Up to 20%, 30 seconds continuous
Baud Rate	512 Baud
Message Format	POCSAG
Available Colours	White (default) or black
Type Approval	AS/NZS 4769.1:2000 and ESN 2242 Tested to and meets FCC part 90

12-86 transmitters support up to five inputs, each of which can be programmed with up to a thirty five character message.

The units can be programmed with a serial programming cable (purchased separately) or they can be supplied pre-programmed. Programming software is available for download from the Salcom web site (www.salcom.co.nz).

Although the 12-86 is a low power transmitter, when used as a callpoint paging transmitter a direct line of sight range of up to eight hundred metres can be expected. When used within buildings the range will be reduced depending upon the building, but it will still be significant.

The 12-86-9000 fits the form factor of many standard electrical face plates so that it can remain in keeping with the surrounding switch gear in cosmetically sensitive areas.

By default the 12-86-9000 is supplied with a mounting block, but it can be flush mounted in the same manner as most electrical switch plates if required.

The transmitter is available in two sizes and is also available in black. By default it is supplied in white in the small form factor.

12-86-5000 Paging Transmitter PCB

The 12-86-5000 transmitter PCB used in this product is a small low cost, high specification bare printed circuit board paging transmitter measuring 60mm by 31mm and only 6mm deep with the battery fitted.

It has been tested and type approved as a bare printed circuit board allowing integration into other products without further type approval testing being required.

SEA AIR AND LAND COMMUNICATIONS LTD

120 St Asaph Street, PO Box 22-621, Christchurch, New Zealand
Ph: +64 3 379-2298 Fax: + 64 3 365-1580

E-mail: sales@salcom.co.nz

Web Page: www.salcom.co.nz

MADE IN NEW ZEALAND