

Ideally suited to retail assistance, rest/care home emergency applications or duress environments, the 12-86 is an extremely small, high specification, key ring or pendant paging transmitter capable of transmitting text directly to pocket pagers.




12-86-0000 UHF Key Ring Transmitter



- Using an appropriate receiver, the 12-86-0000, can also be used for any general remote control applications such as turning on lights, disabling alarms etc.
- Any button on the unit can be programmed with a unique message, be it for display on a pocket paging receiver, or for an alarm in security or duress situations.
- Available with one, two, three, four or five buttons, by request.
- Powered by a standard CR2032 coin cell, the transmitter will operate for more than one thousand transmissions under normal conditions before needing to be replaced.
- 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.
- To achieve this, a configuration tool is available for download from the Salcom web site, although the units can be supplied from the factory pre-programmed with the required messages.
- Utilising the software, the 12-86 can be programmed serially which requires the purchase of a programming cable.



Technical Specification		
12-86-0000 – UHF Key Ring Transmitter		
Frequency Range	440-470MHz - UHF	
Frequency Selection	User configurable	
Power Supply	3V CR2032 button cell	
Battery Life	Approx 1000 transmissions Approx 10 years standby	
Power Consumption	Standby: 100nA Transmit: 45mA	
Transmit Power	30mW	
Channel Spacing	25kHz	
Modulation	FSK with NRZ data	
Deviation	±4.5kHz	
Transmit Duty Cycle	Up to 20%; Maximum 30 seconds on time	
Baud Rate	512	
Message Format	POCSAG	
Configuration Application	12-86 configuration tool	
Programming Cable	12-47-0000 (Board header to DB9) Can be used with a USB to RS232 DB9 Serial Adapter Cable 12-48-0000 (Board header to mini USB)	
Serial Port	9600 , N, 8, 1; RS232	
Discrete Inputs	1, 2, 3, 4 or 5 button options	
RF Connector	Internal aerial	
Environmental Protection	Not suitable for outdoor use and should be protected from adverse environmental conditions	
Operating Temperature	-10°C to +55°C (+14°F to +131°F)	
Weight	14g	
Enclosure Dimensions	56mm x 35mm x 12mm (WxDxH)	
Enclosure Material	Plastic	
Colour	Black	
Type Approvals	AS/NZS 4769.1:2000 + Amendment 1:2002 (RF) EN 300-224-2 (RF) FCC CFR47 Part 90 (RF) EN 301 489-2 V2.1.0 (EMC) EN 60950-1:2006 (Safety)	

Configuration tool available for free download at: www.salcom.com

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