

20-86

UHF Key Ring Transmitter

Ideally suited to retail assistance, rest/care home emergency applications or duress environments, the 20-86 is an extremely small, high specification, key ring, or pendant paging transmitter capable of transmitting text directly to pocket pagers.



- Using an appropriate receiver, the 20-86 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 or five buttons, by request.
- Powered by a standard CR2032 alkaline coin cell, the transmitter will operate for more than one thousand transmissions under normal conditions before the battery needs to be replaced.
- The 20-86 range of products can send text messages directly to paging receivers providing simpler, lower cost systems since intermediate translation receivers and transmitters are not required for short range applications.
- Messages for each button are defined using a configuration tool which 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 for programming the 20-86 requires the purchase of a serial programming interface cable.

Technical Specification

20-86-0000 – 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	10mW
Channel Spacing	25kHz
Modulation	FSK with NRZ data
Deviation	+4.5kHz
Transmit Duty Cycle	Up to 20%; Maximum 30 seconds on time
Baud Rates	512
Message Format	POCSAG
Configuration Application	Sacoto v1.1.2 or higher
Programming Cable	Programmed via internal port using hardware adaptor
Discrete inputs	1, 2, or 5 buttons
Antenna	Internal aerial
Environmental Protection	IP65
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Weight	14g
Enclosure Dimensions	56mm x 35mm x 12mm (W x D x H)
Enclosure Material	Plastic
Colour	Black / Blue
Ordering Part Numbers	1 Button – 20-86-0001 2 Button – 20-86-0002 5 Button – 20-86-0005
Type Approvals	CE, FCC and AS/NZS compliances pending
NB: All specifications and applications are indicative only and subject to change without prior notification.	