

20-85

VHF/UHF Transmitters

The 20-85 is a compact paging transmitter suitable for hand-held or wall mounted use. Each button on the unit can be programmed with a message. Pressing a button will transmit the message associated with that button to a pocket pager where it will display on the screen. The units are available in VHF and UHF versions. Transmitters configured to send paging messages can be utilised in a wide variety of applications such as personal and commercial security, medical alert, paging in restaurants and bistros, and customer assistance in supermarkets or hardware stores.



Control Applications

The 20-85 can also be programmed to send control instructions to specialised paging receivers capable of controlling relays. Using this product combination, the transmitter can be used for remote machinery control. The Salcom 20-90 is an example of a relay output receiver.

Available as one, four and eight button units.

Programming

The transmitters can be programmed to suit application requirements using Salcom product support software and the accompanying programming adaptor.

Operation

A front panel LED indicates when the transmitter is operating. A user-replaceable 9V alkaline battery gives a life of hundreds of transmissions with a range of up to 500 metres

- VHF and UHF versions
- Internal battery operation
- Simple telecontrol solution
- Optional external power supply protected interface (20-86)
- Capable of operating on existing in-house paging systems
- Ideal for remote switching (lights/pumps etc.) when used with a 20-90 relay output receiver
- Rugged & compact
- Individually programmable buttons
- Cost effective
- Audible beep on press
- Receive function

Technical Specification

20-85-0000 - VHF / UHF Transmitter Handheld Transmitter



Frequency Range	148 - 164MHz - VHF (Model No. 20-85-0150 / 20-85-1150) 445 - 465MHz - UHF (Model No. 20-85-0450)
Frequency Selection	User configurable
Power Supply	Two (AA) batteries
Power Consumption	Standby: 0mA Transmit: 100mA Inputs = 90uA per press
Transmit Power	VHF (Model No. 20-85-0150 / 20-85-1150) - 100mW UHF (Model No. 20-85-0450) - 100mW
Channel Spacing	15kHz - VHF (Model No: 20-85-0150) 10KHz, 12.5 KHz, 25 KHz - UHF (Model No: 20-85-0450)
Modulation	FSK with NRZ data
Deviation	+2.25kHz & +4.5kHz
Transmit Duty Cycle	Up to 100%
Baud Rates	512, 1200
Message Format	POCSAG
Configuration Application	Sacoto V1.1.2 or higher
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) 12-51-USBTTL
Discrete Inputs	1, 4 or 8 button options
RF Connector	Internal or SMA (Optional)
Environmental Protection	Splashproof
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Indicators	Status LED (Red) - Solid On = Transmitting - Slow Flashing = Transmitting Multiple Messages - Rapid Flashing = Low Battery Note: The unit needs to be configured to send Multiple Messages
Weight	170g
Enclosure Dimensions	65mm x 130mm x 25mm (WxDxH) excluding aerial
Enclosure Material	Plastic
Colour	Black/Red
Type Approvals	CE, FCC and AS/NZS compliances pending

NB: All specifications and applications are indicative only and subject to change without prior notification.