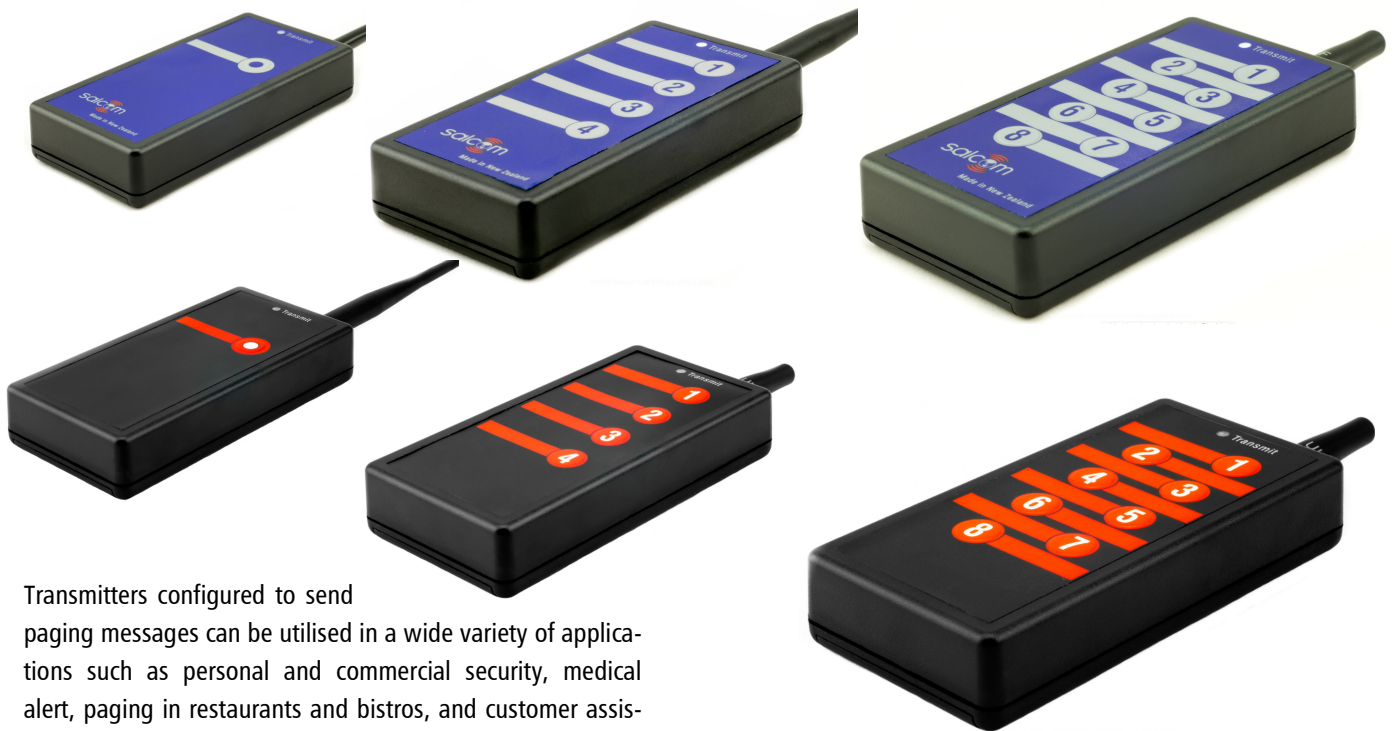


The 11-85 is a compact paging transmitter suitable for hand-held or wall mounted use. Each button on the unit can be programmed with a message. Pressing a button will transmit the message associated with that button to a pocket pager where it will display on the screen. The units are available in VHF and UHF versions.



## Salcom 11-85-0000 VHF/UHF Transmitters



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 11-85 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 12-88 and 12-84 are examples of relay output receivers.

Available as one, two and four button units, four additional digital inputs are available for use as required.

### 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 telemetry solution**
- **Optional external power supply protected interface (12-86)**
- **Capable of operating on existing in-house paging systems**
- **Ideal for remote switching (lights/pumps etc.) when used with 12-88 or 12-84 relay output receiver**
- **Rugged & compact**
- **Individually programmable buttons**
- **Cost effective**
- **Audible beep on press**

<b>Technical Specification</b>	
<b>11-85-0000 – VHF / UHF Hand Held Transmitter</b>	
Frequency Range	148 - 164MHz - VHF (Model No. 11-85-0150 / 11-85-1150) 445 - 465MHz - UHF (Model No. 11-85-0450)
Frequency Selection	User configurable
Power Supply	9V PP3 lithium battery
Battery Life	Approx 2,500 transmissions
Power Consumption	Standby: 0mA Transmit: 100mA Inputs = 90uA per press
Transmit Power	VHF (Model No. 11-85-0150 / 11-85-1150) - 50mW  UHF (Model No. 11-85-0450) - 100mW (USA) - 50mW (Australasia & Europe)
Channel Spacing	15kHz - VHF (Model No: 11-85-0150) 10KHz, 12.5 KHz, 25 KHz - UHF (Model No: 11-85-0450)
Modulation	FSK with NRZ data
Deviation	±2.25kHz or ±4.5kHz
Transmit Duty Cycle	Up to 100%
Baud Rates	512, 1200
Message Format	POCSAG
Configuration Application	11-85 PSD
Programming Cable	12-47-0000 (Board header to DB9) Can be used with a USB to RS232 DB9 Serial Adapter Cable
Serial Port	9600 , N, 8, 1; RS232
Discrete Inputs	1, 4 or 8 button options
Other I/O	
RF Connector	120mm external aerial - VHF (Model No. 11-85-0150) Internal aerial - VHF (Model No. 11-85-1150) 30mm external aerial - UHF (Model No. 11-85-0000)
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)
Indicators	Status LED (Red) - Solid On = Transmitting - Slow Flashing = Transmitting Multiple Messages - Rapid Flashing = Low Battery <i>Note: The unit needs to be configured to send Multiple Messages</i>
Weight	170g
Enclosure Dimensions	65 x 130 x 25mm (WxDxH) excluding aerial
Enclosure Material	Plastic
Colour	Black with blue logo'd fascia or red unlogo'd fascia
Type Approvals	VHF (Model No. 11-85-0150): - AS/NZS 4769.1:2000 + Amendment 1:2002 (RF)  UHF (Model No. 11-85-0450): - EN 300 224-2 V1.1.1 (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/products/page/11-85-0000](http://www.salcom.com/products/page/11-85-0000)

Support: Tel: +64 (0)3 379 2298