

## Product Sheet

# Pendant Transmitter - IP67

## 20-86 Series

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



Product code  
20-86-0001



Product code  
20-86-0015

### Highlighted Feature

The 20-86 includes a receiver and green LEDs that, when paired with a suitably configured transceiver, can be used to provide a visual confirmation of remote reception or report the status of a remote device.



The red LED indicates active transmission, reception or a low battery

### Key Features

- » UHF operation
- » Small, light & discrete
- » Internal cell battery
- » Stuck Button feature prevents the battery going flat if a button has been accidentally held on.
- » Individually programmable buttons
- » Robust design for harsh environments and use
- » Ideal for near distance paging, assistance, duress or operation of lights or doors etc.
- » Capable of operating on existing in-house paging systems
- » 1 or 5-button variants, each button individually configurable with its own 35-character message
- » Simple control solution
- » Dust and waterproof rated to IP67

### Applications

Using a pager, readable text messages can be sent directly to staff, security, administrators for a call to action or information purposes. Combined with an appropriate relay output receiver, the 20-86 series can be used for a variety of remote-control applications such as lighting, alarms, retail, security, access control, alarm disablement, rest home emergency and duress purposes.

### Programming

Messages for each button can be programmed with USB programming (sold separately) using a free downloadable configuration tool from our website. A factory programming service is also available.

### Operation

A front panel LED is used to confirm a message is being sent and/or to indicate a flat battery. 20-86's has a receiver which can be used, with appropriate transceivers, to provide visual message received acknowledgments.

## Technical Specification

### Pendant Transmitter - 20-86 Series

Options	20-86-0001: Single button 20-86-0015: Five buttons blue 20-86-0005: Five buttons black
Frequency Range	440-470MHz - UHF
Frequency Selection	Via software
Power Supply	3V, CR2032 button cell
Battery Life	Approx. 5,000 transmissions Approx. 5 years standby
Battery Replacement	Battery door on rear case
Power Consumption	Standby: <0.5 $\mu$ A Transmit: 26mA
Transmit Power	10mW
Channel Spacing	25kHz, 12.5kHz, 6.25kHz
Modulation	FSK with NRZ data
Deviation	$\pm$ 4.5kHz, $\pm$ 2.3kHz, $\pm$ 1.0kHz
Transmit Duty Cycle	Up to 20%; Maximum 30 seconds on time
Baud Rate	512, 1200, or 2400
Message Format	POCSAG; Alphanumeric or Numeric
Configuration Application	Sacoto (Salcom Configuration Tool software)
Programming Cable	20-51-0001 (USB)
Serial Port	9600, N, 8, 1; 3V TTL (accessible only when case open for programming)
Antenna	Internal antenna
Indicators	Red LED (centre): Solid = Transmitting, Rapid flashing = Low battery Green LED's (left and right): On = Received message or command
Environmental Protection	IP67
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Weight	30g with battery
Case Dimensions	72mm x 43mm x 15mm (L x W x H)
Case Material	ABS plastic
Case Flame Rating	UL94-HB
Screws	PH-00 driver
Screw torque	0.06 – 0.08N*m
Approvals	EN 301 489-2 V2.1.1 (2019-4) EN 300 224 V2.1.1, 2017-06

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