

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

Advanced Low Battery Indication (ALBI) Feature

If the RED indicator flashes **during transmission** this indicates low battery status



A low battery message can be sent to the **receiver or separate receiver RIC/Code** with specific message of Low Battery



Solid RED indicator confirms Transmission being sent



When paired with suitable transceiver the Green indicators can provide a visual confirmation the message was received by receptor

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
- » Unique Advanced Low Battery Indication (ALBI) Feature

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: $0.5\mu\text{A}$ Transmit: 26mA
Transmit Power	10mW
Channel Spacing	25kHz, 12.5kHz, 6.25kHz
Modulation	FSK with NRZ data
Deviation	$\pm 4.5\text{kHz}$, $\pm 2.3\text{kHz}$, $\pm 1.0\text{kHz}$
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.