Product Sheet

Multi-Purpose Transmitter

20-85 Series

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.

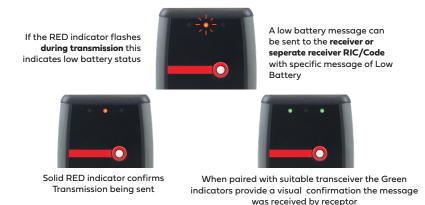
The units are available in VHF and UHF versions. Transmitters configured to send paging messages can be utilised in a wide variety of applications such as personal and commercial security, medical alert, paging in restaurants and bistros, and customer assistance in supermarkets or hardware stores.

Product code 20-85-0451 Product code 20-84-0458

Product code

20-85-0454

Advanced Low Battery Indication (ALBI) Feature



Key Features

- » Available in VHF or UHF versions
- » Internal battery operation
- » Simple telecontrol solution
- » 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
- » Equipped with receive function
- » Unique Advanced Low Battery Indication (ALBI) Feature

Applications

The 20-85 can 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.

Programming

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

Operation

A front panel LED indicates when the transmitter is operating. Using two user-replaceable AA batteries this transmitter offers a life of up to 10,000 transmissions with a range of up to 1000 meters



Technical Specification

20-85-0151, 20-85-0154, 20-85-0158 (VHF) 20-85-0451, 20-85-0454, 20-85-0458 (UHF)

Options	VHF: 20-85-0151: One button 20-85-0154: Four buttons 20-85-0158: Eight buttons
	UHF: 20-85-0451: One button 20-85-0454: Four buttons 20-85-0458: Eight buttons
Frequency Range	VHF: 140 – 174MHz UHF: 440 – 470MHz
Frequency Selection	Via software
Power Supply	Two AA Alkaline batteries (LR6)
Battery Life	Approx. 50,000 transmissions Approx. 5 years standby
Battery Replacement	Removal of rear case
Power Consumption	Standby: <0.5µA Transmit: 70mA
Transmit Power	50mW
Channel Spacing	25kHz,12.5kHz, or 6.25kHz
Modulation	FSK with NRZ data
Deviation	±4.5kHz, ±2.3kHz, or ±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
Antenna	Internal antenna; optional SMA
Environmental Protection	IP65
Operating Temperature	-10°C to +55°C (+14°F to 131°F)
Weight	170g with battery
Screws	PH-1 driver
Screw Torque	0.3 N*m
Case Material	ABS Plastic
Case Dimensions	118mm x 79mm x 26mm (L x W x H)
Case Flame Rating	UL94 V-0
Approvals	EN 301 489-2 V2.1.1 (2019-4) (Pending) EN 300 224 V2.1.1, 2017-06 (Pending)

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

