











# RCI5000™

## LONGRANGERF

RADIO COMMUNICATION INTERFACE

- Software programmable  General Utility Program GUP5000™
- Password protection option  Standard Ademco 685 serial communication
- Efficient use of protocols  Fast baud rate between the RCI5000 and a PC

- PC alerts of RCI status  Multi-protocol: receive and transmit different protocols on one unit (built-in integrated signal strength measurement)
- Supports A4 printer  Illuminated control panel and large LCD display.
- Seamless interface to KP SAMSON™ Monitoring software or any other monitoring software  Supports USB, COM, and parallel ports
-  Modular design enables expansion for up to 2 external radios

-  Synthesized external radios allow easy and rapid frequency changes
-  Backup historical memory of previously received messages per channel
-  Compatible with all monitoring software



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The RCI5000™ is a robust radio communication receiver that processes and decodes messages relayed from radio alarm transmitters.

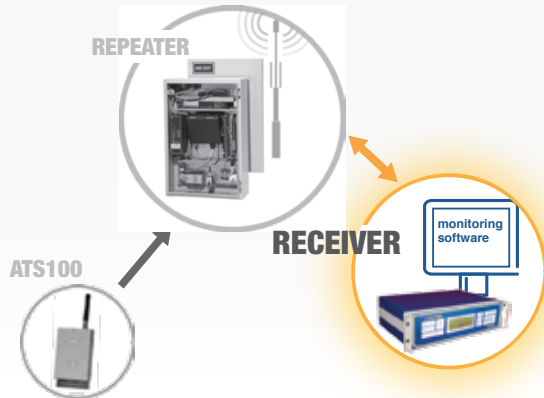
It receives, decodes and transfers messages to a complementary software (SAMSON™) offering fully automated functionality from a single location.

The internal modules based on a high speed processor and an integrated signal strength measurement, offers the best long-range wireless solution for a control center.

## Specifications

### GENERAL

AC Power Input	110 VAC / 220 VAC, 60/50Hz (switch selectable)
AC Current Consumption	0.4 @ 220 VAC; 0.8@ 110 VAC
Backup Batter	Internal 12 VDC, 7 AH Sealed Lead Acid (not supplied)
DC Current Consumption	250mA DC - operating in battery backup mode



Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-25°C to 55°C (-13°F to 131°F)

### RF TRANSCEIVER

External	1 External Receiver (EXR5000™ or BSR100™)
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### DIGITAL ENCODING / DECODING

Protocols	LARS™, LARSIT™, LARSII™ MEGA-NET,™ RCMS™
Modulation	FM, FSK and DFM
Address Capacity	Protocol dependet: LARS: up to 32,000 LARSI, LARSII: up to 64,000 MEGA-NET: up to 1 million RCMS: up to 2,048
Digital Display	20 X 4 characters "1" LCD, 4 Dual-color LED
Communication Ports	RS232, USB, Serial / Parallel printer
Parameter Selection	Fully programmable using: PC dedicated software via RS232/USB port Front panel 16 key keypad + LCD

### STANDARDS

Dynamic Range	0.1 - 2.2 µV
Displayed Range	0.5 - 2 µV

### PHYSICAL DIMENSIONS

Weight	8 kg (18 lbs) [without battery]
Size	485mm x 133mm x 302mm (19")

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