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

RCI 5000

POWER

FAULT

REMOTE COMMUNICATION

24/10/11 10:50:11
Sys OK 00/00 00:00
<CONF>

KP ELECTRONIC SYSTEMS LTD

RCI5000™
LONGRANGERF
RADIO COMMUNICATION INTERFACE

The RCI5000™ is a robust radio communication receiver that processes and decodes messages relayed from radio alarm transmitters.
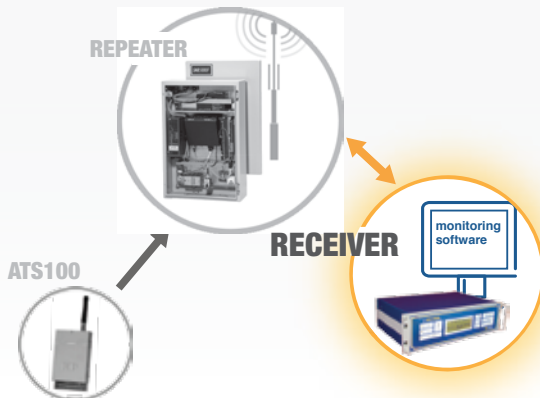
It receives, decodes and transfers messages to a complementary software (SAMSON™) offering fully automated functionality from a single location.

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 (swich 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

REPEATER

ATS100

RECEIVER

monitoring software

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™)

DIGITAL ENCODING / DECODING

Protocols	LARS™, LARSI™, 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 tp 2,048
Digital Display	20 X 4 characters "1" LCD, 4 Dual-color LED
Communication Ports	RS232, USB, Serial / Parrallel 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")

KP
WIRELESSDATASOLUTIONS