

The Heart and Brain of the Central Monitoring Station



RCI4000™, RCI3300™

The Radio Communication Interface between Central Station and Radio Network

The heart and brain in a LARS™ application is the RCI™. The RCI™ receives all the messages, decodes them, and transfers the processed data through a RS232 interface to the computer. If the computer fails, the RCI™ switches immediately to 'local' mode, alerts the operator, and serves as a temporary back up to the computer until the problem is solved.

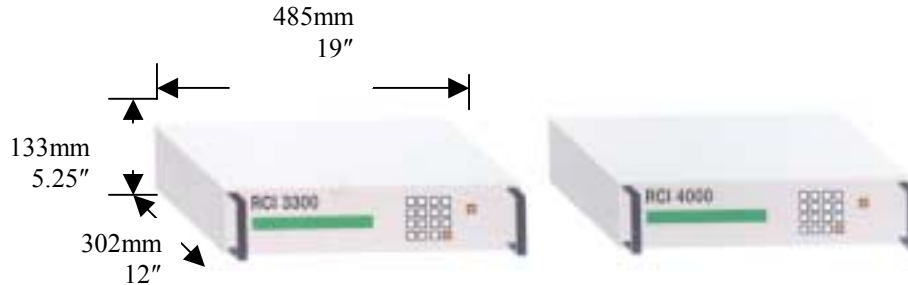
All the management, control and data acquisition in the network is done by the RCI™.

Important Features

- Very fast and efficient signal processing, up to 20 messages per second
- Vast addressing capability, 64000 on LARS I and more than 2,000,000 on LARS II
- Supports many protocols for various applications, LARS I and LARS II in security, RCMS™ in telemetry and control.
- Support many standards RS232 automation protocols.
- Built-in printer port for real-time hard copies.
- Automatic warning about communication status, whenever the channel is too busy or too quiet for a long time.

Where the messages come together The Radio Communication Interface Units

RCI4000™, RCI3300™



- RCI4000™** Full range Radio Communication Interface with built-in transceiver.
- RCI4000NR™** Without integrated radio works with external radios, such as EXR3300™.
- RCI4000D™** With dual reception capability of two frequencies at the same time.
- RCI3300™** Radio Communication Interface Unit
- RCI3300NR™** Without integrated radio, works with external radios
- RCI3300D™** With dual reception capability of two frequencies at the same time

Specifications:

Models	RCI4000™	RCI3300™
AC Power Input	85-265 VAC, 45-65Hz	220VAC 50Hz, 110VAC 60Hz
Current Consumption	0.4A on 220 VAC, 0.8 A on 110VAC	
Backup Batteries	12 VDC 2.6 AH Sealed Lead Acid	
DC Current Consumption	0.1 A typical in receive mode, 0.8 A in transmit, with integrated radio	
Internal RF Transceiver	2/5 Watt, 0.5µV, 55 DB, 5PPM 66-88 MHz, 136-174 MHz Using EXR3300™ allows more frequencies and power output selection	
Digital Encoding/Decoding Protocols	Various protocols such as LARS I , LARS II and RCMS™	
Modulation	FM, FSK, DFM	
TX Format	Bursts of words with repetition	
Address Capacity	64,000 on LARS I, 2,000,000 on LARS II, 2.048 on RCMS™	
Digital Display	20 characters "1" LCD and 8 dual color LED's Time, Date, Data, Address	
Communication Ports	RS232 with various protocols parallel printer	
Parameter Selection	Front panel 16 keys keyboard/RS232 by PC computer/Internal DIP switches	
Weight (without batteries)	10 kg (22 Lbs)	

KP ELECTRONIC SYSTEMS LTD

P.O. Box 42, Tefen Industrial Park
Tefen 24959, Israel
Tel: 972-4-987-3066 Fax: 972-4-987-3692
E-mail: info@kpsystems.com
Web site: www.kpsystems.com

U.S. Office: KP ELECTRONICS INC.
109 Tudor Drive, North Wales,
PA 19454
Tel. 1-(888) 542-7460 Fax.(215) 542-461
E-mail: kpelectron@aol.com