

ELSTER KENT/ Emeris TRC603 RADIO MODEM

Automatic Meter Reading Systems



The TRC 603 Radio Modem contains a Radio Frequency (RF) transmitter/receiver, to allow communication with all meter interface units (MIUs) within its range. It can be used as a simple data collection device or as a way of monitoring and controlling an entire TRC network over a range of several hundred metres. This makes it ideal for sub-metering.

The TRC603 is compatible with Windows 2000, XP and Windows CE, and can be connected to a PC or a hand-held computer using a USB or RS232 interface. TRC603 is a plug-and-play on a TRC network and is therefore simple to install. Once connected, the computer can be used to read all the meters on the network (either in groups or individually 'on demand') or to

reprogram them remotely. Tamper, leak and low battery alarms can be detected immediately and responded to quickly.

TRC603 can be used in a choice of selectable operating modes (broadcast, polling, peer-to-peer and repeater) allowing for maximum flexibility. It is powered either through the computer connection or

by a separate adapter, depending on the interface used.

Features:

- Long range RF transmission
- Secure, reliable radio communication
- No licence required for operation
- Lightweight (less than 50g)
- Choice of interface (USB or RS232)

TRC603 GSM Concentrator

Specifications:

Physical Specifications

Weight	Less than 50g
Dimensions	96mm L x 47mm W x 24mm D

Radio Specifications

Operating frequency	433 / 868 / 915MHz with FHSS
Transmitter	10mW for 433MHz, 25mW for 868MHz, up to 1W for 915MHz
Receiver sensitivity	-110dBm (with a BER of 1% at 9.6kbps)
Data Rate	Up to 150kbps
Range	Indoors: 200m (typical)

Regulatory

Complies with EN 300-220-1 regulations	
No licence required for operation	

Environmental Specifications

Operating temperature	-20°C to +70°C
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Connectivity

Compatibility	OCX drivers for Windows 2000, XP and Windows CE 3.0 and CE.net 4.2 Compatible with Visual C++, Visual Basic
Interface	USB or RS232

Power Consumption

Power source	USB: Powered through USB port RS232: Separate power supply (4.5V-6V DC)
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Note: The TRC components and the TRA components are NOT interchangeable

Warranty

All goods are tested and inspected prior to despatch. In the event of defects resulting from faulty workmanship or materials, such goods will be replaced/repared at our discretion, free of charge at the factory, but no responsibility will be accepted for any direct or consequential damage. This warranty covers the malfunction of a correctly installed item due to a manufacturing fault, but does not cover wear and tear considered normal at the locality of installation. Electronics warranty 1 year from date of manufacture.



elster

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The company's policy is one of continuous improvement and the right is reserved to modify the specifications without notice

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