

SCADA RADIO



Electronia's Scada system is a complete solution for data acquisition applications in remote areas. Designed and packaged for independent and unmanned operations in remote areas, The package consists of the following:

- A 5-watt radio enclosed in a compact weather proof box
- RS-232 interface
- DC power supply
- 10 ft. Epoxy coated Tower mast
- Whip Antenna
- Polling software



Consists of a RS-232 interface to communicate with the Remote control units and sensors. The system is powered by a DC battery and can be connected to a Solar Panel, for uninterrupted operation in Remote areas.

The Polling software that is connected to the masterstation polls the remote terminals in a sequence and retrieves information by activating the transmit function of the remote. The software has the functionality to query a single or multiple remote units and also provide a graphical representation of the parameters that are gathered. The software is able to perform a complete analysis of the data or just pass it to the Control System of the users over a network or RS-232 interface.

Electronia's Scada system supports data rates of up to 9600 bps and is backed by a two year warranty.



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SCADA RADIO



GENERAL

| | |
|---------------------------|---|
| Frequency Range | 136 – 174 MHz, 403 – 430 MHz, 450 – 470 MHz |
| No of Channels Selectable | 32 channels |
| Channel Spacing | 25 kHz or 12.5 kHz |
| Channel Guard | 39 EIA CTCSS Tones |
| Power Supply | 12 V DC |
| RF Power Output | 5 Watts |
| Tx Supply Current | 2.75 A at 5 watts |
| Rx Supply Current | 0.5A |
| Operating Temperature | 0 ° C to +70 ° C |
| Humidity | 90% at 50 ° C |
| Dimensions | 250 x 250 x 100 mm (WxDxH)) |

SPECIFICATIONS

| | |
|-------------------------|---|
| Data Rate | 2400, 4800 or 9600 baud |
| Data Format | Asynchronous |
| Signal Level | RS-232 |
| Handshake Protocol | Full : RTS, CTS, DCD, DSR, DTR Data only (3 wire) Requires TD, RD and SG |
| Data Connector | 9 Pin D, Female, DCE |
| RF Modulation data rate | 2400 bps |
| Sensitivity | 1x10-5 BER at 14 dB SINAD |
| Channel Option | Half Duplex |
| Data Protocol | Transparent or Protect |
| Channel Access | Master - Slave |
| Packet Size | 1 to 5000 characters |
| Transfers | Individual, Group |



OPTIONS:

- Solar Panel
- Mounting Tower
- Whip Antenna



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