

# RTC Associates, Inc.

---

Service

Access Control Products

Support

## **RTCA-500 System Analyzer**

Using the RTCA-500 system analyzer, RTC Associates personnel can evaluate the existing Computrol Control I multiplexer hardware used on a coaxial loop to perform access control and intrusion monitoring functions. RTC will analyze the multiplexer loop and determine if time outs, parity or address errors are occurring. Upon completion of the analysis RTC will assist plant personnel to resolve any hardware problems that may exist.

The RTCA-500 analyzer is used to monitor all data from the central processing unit to the remote multiplexers and all data from the remote multiplexers to the central processing unit without affecting system operation. The RTC-500 is used in the following real time modes:

1. SNAPSHOT MODE
2. CONTINUOUS MONITOR MODE
3. SELECTED ADDRESS MODE - SINGLE ADDRESS

The SNAPSHOT mode monitors the cable until 2045 transactions are recorded. The SNAPSHOT mode is the most accurate mode for recording data transactions on the cable since nothing else, terminal and printer I/O, is being done. After the picture has been taken the data is examined by entering the PRINT/ANALYZE mode. If necessary, some of the pictures are saved to disk. The CONTINUOUS mode monitors the cable until 2045 transactions have been recorded but unlike the SNAPSHOT mode, the data is continuously displayed on the screen. The data is monitored to display all transactions and then to display ERRORS ONLY. As in the SNAPSHOT mode, the data is analyzed by entering the PRINT/ANALYZE mode.

The SELECTED ADDRESS-SINGLE ADDRESS mode allows the monitoring of the cable for a specified address. The addresses used are CONCENTRATOR only and FIM only. The data is monitored to display all transactions and then to display ERRORS ONLY to the selected address.

The PRINT/ANALYZE mode utility allows RTC to examine the collected data in greater detail than the real time modes. The data is examined as follows:

1. The Entire Picture - All Data Gathered
2. All Errors

Each of the above modes allows RTC personnel to record the data on a printer for an even more detailed examination.

Upon completion of the work, RTC will provide a report documenting all work performed and any recommendations to insure reliable system performance in the future.