RC 800-21
Terminal Concentrator

- **FULLY PROGRAM CONTROLLED**
- **8 OR 16 ASYNCHRONOUS TERMINAL LINES**
- **SYNCHRONOUS COMMUNICATIONS CHANNEL**
- **DIFFERENT SPEEDS ON REQUEST**
- **INTERFACE ACCORDING TO CCITT RECOM.**
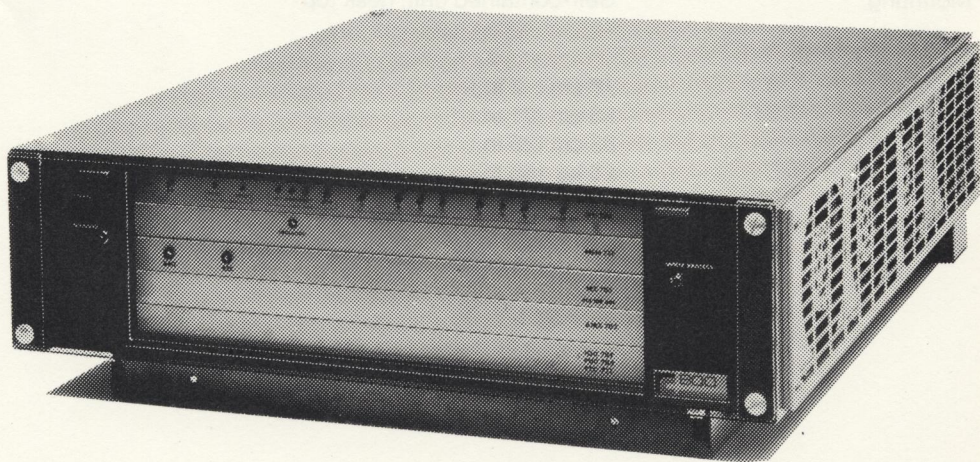
GENERAL

The RC800-21 terminal concentrator provides the facility of connecting 8, or 16, asynchronous line into a single synchronous line. Thereby simultaneously interfacing up to a total of 16 terminals and printers to an RCNET structure, or directly to a host RC8000 system. The terminal concentrators offer improved communications facilities and a better utilization of the communications line.

CHARACTERISTICS

The concentrator as a principle collects asynchronous data information from connected terminals and printers, the applied software takes over control/protocol work completely, and informations is forwarded synchronously towards receiver - and vice versa.

The hardware set-up fulfilling the task contains well approved, reliable RC-modules: RC3682 asynchronous multiplexer, RC3600 cpu/memory, RC3680 BSC channel - and all of the features attached to the single units.

The usual RC800-21 is a non-upgrade version. In order to meet an expansion schedule, however, the B-version is available. The RC800-21B equals the specifications of the RC800-21, but it additionally has been prepared to be expanded to 16 asynchronous lines, simply by adding on the F162 upgrade feature (plug-in feature).

SPECIFICATIONS

	RC NET/HOST	TERMINALS	PRINTERS
Number of connections			
RC800-21	1	total of 8	
RC800-21B		total of 16	
Connection mode	synchronous	asynchronous full duplex	asynchronous
Connection interface	CCITT recommendation V. 24		
Data format	8 data bits	7 data bits & parity	
Speed	2400 — 9600 bps	110 — 4800 bps	*) 110 — 4800 bps
		other speeds available on request	

*) printer decided

Power requirements:	220 V AC ± 10%, 50 Hz, 400 W, grounded outlet
Temperature, amb.:	10-40°C (50-140°F)
Humidity:	20-80% relative, non-condensing
Heat dissipation:	1440 kJ/h (345 kcal/h, 1360 BTU/h)
Sound level:	55 db at a distance of 1 meter
Mounting:	Self-contained unit, desk top

DIMENSIONS

Height:	18 cm (7 in.)
Width:	53 cm (21 in.)
Depth:	63 cm (25 in.)
Weight:	25 kg (55 lb.)