



RC 106

Synchronous Line Coupler

- LOCAL LINKING DISTANCES UP TO 5 KM
- INTERFACE ACC. TO CCITT RECOM.
- DIFFERENT TRANSMISSION SPEEDS
- GALVANIC SEPARATION OF EQUIPMENT
- SIMPLE INSTALLATION



GENEREL

The RC 106 Synchronous Line Couplers are inhouse/local modems for communication links between computer and terminals or between computers directly.

The RC 106 units provide local linking distances up to 5 km. They transmit data synchronously in simplex or full duplex mode of operation and allow different transmission speeds. The plug-in feature makes the installation very simple.

CHARACTERISTICS

The interfacing of equipment is in accordance with CCITT V.24 recommendation or RS 232 C.

The line interconnecting the two RC 106 units shall be one pair of twisted wires for simplex operation and two pairs of twisted wires for full duplex operation. In case of electromagnetic interference shielded cables should be used.

The interface to the computer, respectively to the terminal, is the usual 25 pin unit (DB 25 P) as specified in EIA RS 232 C. The RC 106 units provide galvanic separation between the two connected parts.

Transmission speed can be 2400, 4800 or 9600 bps.

SPECIFICATIONS

Transmission type:	synchronous, simplex or full duplex		
Transmission speeds:	9600 bps	4800 bps	2400 bps
Transmission distances:			
usual cables	1500 m	3000 m	6000 m
shielded cables	500 m	1000 m	2000 m
Simplex lines:	1 pair of twisted wires		
Duplex lines:	2 pair of twisted wires		
Interface:	EIA RS 232 C or CCITT V.24		
Current loop:	± 10 mA		
Isolation:	opto-coupler between transmitter and receiver circuits		
Test voltage:	1500 V		
Signals:			
Ground (AA, AB)	pin no. 1,7	ground is separate from protective ground	
Transmitted data (BA)	- 2		
Received data (BB)	- 3		
Request to send (CA)	- 4	} interconnected	
Clear to send (CB)	- 5		
Data set ready (CC)	- 6	} interconnected	
Carrier on (CF)	- 8		
Dataterminal ready (CD)	- 20		
Transmit clock (DB)	- 15		
Receive clock (DD)	- 17		
Power supply:	220 V \pm 10%, 50 Hz		
Temperature, ambient:	5 - 50 °C (41 - 121 °F)		
Humidity, relative:	0 - 95% non condensing		
Mounting:	self-contained unit		

DIMENSIONS

Height:	6 cm (2.4 inches)
Width:	11 cm (4.3 inches)
Depth:	18.8 cm (7.4 inches)
Weight:	0.8 kg (1.8 lbs)