CesCom

N400
ACA approved

Features

- Full or half-duplex operation to 115K baud
- RS422 distances up to 1.2km transmit capability
- Full RS232 DB25 port
- Full RS449 DB37 port (RS422 signals)
- DIP switch configurable DTE or DCE ports
- RS232 LED indicators – Data, clocks, handshakes
- RS422 LED indicators – Data, clocks, handshakes
- DC power indicator
- IEC filtered and fused 240VAC mains supply

Overview

The CE-0002AC RS232-RS422 converter supports the full RS449 interface standard to RS-232 including clock signals.

It provides an interface between RS232C and RS422 hardware in WAN environments which includes transmit and receive clock signals as well as handshaking signals.

Applications

- Air traffic Radar Data Communications
- Aeronautical Fixed Telecommunication Network (AFTN)

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RS449 Signals and Connections

PIN	NAME	DESCRIPTION	PIN	NAME	DESCRIPTION
1		Shield	20	RG	Receive Common
2			21		
3			22	TD+	Transmit Data B
4	TD-	Transmit Data A	23	TC+	Transmit Clock B
5	TC-	Transmit Clock A	24	RD+	Receive Data B
6	RD-	Receive Data A	25	RTS+	Request To Send B
7	RTS-	Request To Send A	26	RC+	Receive Clock B
8	RC-	Receive Clock A	27	CTS+	Clear To Send B
9	CTS-	Clear To Send A	28		
10			29	DSR+	Data Set Ready B
11	DSR-	Data Set Ready A	30	DTR+	Terminal Ready B
12	DTR-	Terminal Ready A	31	CD+	Carrier Detect B
13	CD-	Carrier Detect A	32		
14			33		
15			34		
16			35	XC+	External Clock B
17	XC-	External Clock A	36		
18			37	TG	Transmit Common
19	SG	Signal Ground			

RS232 Signals and Connections`

PIN	NAME	DESCRIPTION	PIN	NAME	DESCRIPTION
1		Shield	14		
2	TxD	Transmit Data	15	TC	Transmit Clock
3	RxD	Receive Data	16		
4	RTS	Request to Send	17	RC	Receive Clock
5	CTS	Clear to Send	18		
6	DSR	Data Set Ready	19		
7	SG	Signal Ground	20	DTR	Data Terminal Rdy
8	CD	Carrier Detect	21		
9			22		
10			23		
11			24	XCK	External Clock
12			25		
13					

Specifications

Power	240VAC 50HZ, 32mA (RMS)
Size	H:65mm x W:205mm x D:160mm
Weight	1kg (approx)
Material	ABS PA-756
Environment	0 to +70°C operating
Standards	TS001/AS/NZS3260, AS/NZS3548
RS232 Speed	115K baud max
RS422 Speed	115K baud max
RS232 Indicators	TxClock, RxClock, Data, Rts/Cts, Dtr/Dsr
RS422 Indicators	TxClock, RxClock, Data, Rts/Cts, Dtr/Dsr