



# Technical Specifications

TD-33 modem



Flygt



## TD-33 modem

### Product

The TD-33 is an industrial PSTN modem. The modem has been developed to be used in industrial applications. The modem is ideal for use with Flygt RTU's with its DIN rail mounting.

A watchdog facility continually monitors the power supply and internal hardware, so in the event of a problem the modem automatically resets. This feature has been included to make the unit more suitable for use in unmanned locations.

### Denomination

40 500 953 TD-33 Europe for 12-36V DC incl cable  
 40 500 953 TD-33 US/CDN for 12-36V DC incl cable  
 40 500 955 Serial cable for Westermo modem  
 40 500 956 Wall adapter PS-12, 230V/12V DC 10W

### Approved standards

EMC EN50081-1  
 EMC EN50082-2  
 Safety EN60950  
 TD-33/V.90 US UL STD  
 CAN/CSA STD 22.2 NO 950-95

### Environment

Temperature 0 to 60°C surrounding  
 Humidity (non-condensing) 0-95% RH

### Cabinet

Size (W x H x D) 55 x 100 x 128  
 Weight 0,2 kg  
 Mounting On 35 mm DIN-rail

### Technical data

Model description TD-33/V90 (56flex™ 56bit/s)  
 Power supply 12-36 V DC + 10/-10%  
 Fuse, F1 1,0 A SMD, Littlefuse  
 Power consumption 1,7 W at 12 V DC  
 Transient protection Power / Line Yes / Yes  
 Isolation RMS Line interface 1500V  
 Transmission Asynchronous, full/half duplex or simplex  
 Interface 1 EIA RS-232-C/CCITT V.24, 9-position D-sub, female  
 Interface 2 9-positionscrewblock  
 Transmission rate Up to 230,4 kbit/s  
 Indicators TD, RD, RTS, DTR, DCD, PWR  
 Mounting 35 mm DIN rail  
 Watchdog Yes  
 Line 2-wire for dial-up connections

### Interface 1 D-sub female

Direction	Pos no	ITU-T V.24	Description
O	1	109	DCD/Data Carrier Detect
O	2	104	RD/Received Data
I	3	103	TD/TRansmitted Data
I	4	108/2	DTR/Data Terminal Ready
-	5	102	SG/Signal Ground
O	6	107	DSR/Data Set Ready
I	7	105	RTS/Request To Send
O	8	106	CTS/Clear To Send
O	9	125	RI/Ring Indicator

### Interface 2 9-positionscrewblock

Direction	Pos no	ITU-T V.24	Description
-	1	102	SG/Signal Ground
I	2	107	DSR/Data Set Ready
O	3	109	DCD/Data Carrier Detect
I	4	108/2	DTR/Data Terminal Ready
O	5	106	CTS/Clear To Send
I	6	105	RTS/Request To Send
O	7	104	RD/Received Data
I	8	103	TD/TRansmitted Data
-	9	102	SG/Signal Ground

This specification may change without further notice

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