

**Intended use**

The System Dc 200 represents a position finding- and data communications system with inmarsatmodem

Satellite data`s

Frequency ranges	a) Inmarsat	RX	1525 -	1559 MHz
		TX	1526,5 -	1660,5 MHz
	b) GPS			1575,42 MHz
^{a)} Sensitivity	> 25 db/k			
EIRO	0 dB - 9 dB W			
Angle of Elevation	30° bis 90°			
Modulation	Forwardcanal:	32-ary FSK 20 Bits		
	Reversecanal:	binäre FSK 4-128 Bit/s		
Forward error recovery	Forwardcanal:	binäre FSK 4-128 Bit/s		
	Reversecanal:	halfrate convolutional (k=7)		
Operation	globale and pointradiant			
Messagesupport	Forwardcanal:	soundsignal, numerical, alphanumerical,		
^{b)} Canal`s:	8			
Directivity:	27dB (typ.)			
Noise figure (50Ω)	2dB (typ.) Conxall 6 pin Mini-Con-X			

Powerspecifications:

Power-connector:	Conxall 6 pin Mini-Con-X		
Power-supply:	9-30 V DC		
Power-cosumption (12V):	RX/ 2 W	TX /10 W	sleep modus 0,5 mA

Environmental conditions

Temperature ranges:	-45°C to +70°C
	without heating -35°C to +70°C
Stockroom temperature ranges:	-55°C to +125°C
Air humidity:	< 95% RH at 30°C
Shock sensitivity	Half sine 5m/s 300m/s ²

RS-232 interface

Mainstation	9600 bps	asynchron
	8 Bits	
rmoduladapter for interface	600 bps	asynchron
	8 Bits	

Controller specifications

	(accessories)
inputs	4-60 digital or analog
outputs	2-16 digital or analog

Mechanical data

Size:	diameter 180mm	height 65 mm
Mounting:	with 4 threaded bolts	
Color:	white or grew	
Mass:	650 gram	

Delivery specifications

device with connection cabel