

U982 Fixed Receiver

Features

- Receives alarm transmissions
- Receives speech transmissions
- Used in System 900 together with receiver interface (T981RI, T980RI or P980RI)



Technical Specifications

Physical

Dimensions (l × w × d):	275 × 130 × 60 mm
Weight:	1.0 kg
Material:	PC/ABS
Colour:	Light grey
Supply voltage:	12,5 Vdc ±10% ¹⁾
Current consumption:	0.3 A max.
External connections:	Screw terminals and strip connectors
Antenna input connector:	Coaxial connector type TNC
Receiver output:	Balanced. Output level 6.0 Vp-p including quality tone

Radio

Frequency range:	420-472.2 MHz
Frequency band versions:	U982-AA (420 - 430 MHz)
	U982-AB (420 - 430 MHz)
	U982-BA (430 - 440 MHz)
	U982-BB (430 - 440 MHz)
	U982-CA (440 - 450 MHz)
	U982-CB (440 - 450 MHz)
	U982-DA (450 - 460 MHz)
	U982-DB (450 - 460 MHz)

	U982-EA (460 - 472.2 MHz)
	U982-EB (460 - 472.2 MHz)
Demodulation:	FM
Channel spacing:	12.5 kHz (narrow) and 25.0 kHz (wide)
Channel frequency:	12.5 kHz steps within the frequency bands
Sensitivity at 20 dB SINAD:	< 1.0 μ V rms (12.5 kHz) < 0.7 μ V rms (25 kHz)

Environmental

Operating temperature:	-25°C to +55°C
Storage temperature:	-25°C to +70°C
Receiver classification:	EN 300220, Class 1, highly reliable SRD communication media.
Enclosure protection:	IP30, EN60529
Immunity to electromagnetic fields:	3V/m (EN61000-4-3)
Immunity to ESD:	4 kV contact discharge and 8 kV air discharge (EN61000-4-2)

Accessories

Interface Cable U982 & PCR, Art.No. 660142
 Antennas and guying kits
 Duplex filter and cables
 Power supply

¹⁾ External power supply must incorporate an insulating transformer. Output current must be inherently limited to max. 8 A.

For US and Canada: The U982 Fixed Receiver shall only be connected with the following power supply: AWS 1166, SA60, Sino American Electronic Co. Ltd. Switching Adapter.

Compliance to European Regulations and Standards

EU directives:	73/23/EEC (LVD Directive), 89/336/EEC(EMC) and 1999/5/EC (R&TTE)
Product marking:	CE
Safety:	EN-IEC 60950-1
EMC/Radio:	EN300224, EN300220 (Receiver Class 1), EN301489

Compliance to US and Canadian Regulations and Standards

Product marking:	FC
EMC/Radio:	FCC CFR 47 Part 15 (Class B), RSS 212
Safety:	IEC 60950-1

Specifications are subject to change without notice.