

U952T Transmitter

Description

The Terminal transmitter is part of the On Site Paging (OSP) – and Person Security (PSS) Systems. It operates in the UHF range (U952T). The transmitter is housed in a 900 module plastic box with a metal heat sink and shield cover at the top.

Applications and Operation

The Terminal Transmitter communicates with the Central Unit in the system via the D-bus.

Technical Specifications

Dimensions:	275 x 130 x 60 mm
Weight:	1.0 kg max
Case:	PC/ABS, light grey
Operating Temp.	-20 to + 55°C
Supply voltage:	12.5 Vdc $\pm$ 10% (Note 1)
Current consumption:	2.5A max
External connections:	Screw terminals and modular connectors
Antenna output connections:	Coaxial connector TNC
Data interfaces:	RS485
Speech input:	Transformer isolated via interface module
Input level:	0.77 Vrms
Frequency range:	700 – 3000 Hz

Transmitter Section:	
Frequency Range:	425 – 475 MHz
Channel separation:	10/12.5/20/25kHz
Deviation:	1.5/1.5/2.5/3kHz
Adjacent channel suppression:	>55/>60/>70/>70 dBc
Modulation:	FSK
Frequency stability:	$\pm$ 0.6 kHz
Output power:	2.0 W into 50 ohm
Spurious emission	<250 nW

Accessories

Slave driver:	U952DR
Speech module/Frequency lock module:	T952SM/FL
Output power supervisor:	U950SC
Power supply:	Note 1

Licenses

FL and FOM/SFO
FOM/SFO

Note 1: Power supply requirements:

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

