The versatile Radio Alarm Transmitter that will connect to any alarm panel

ATS100™, ATSU100™
Alarm Transmitter- Synthesized

The ATS100™ and ATSU100™ are a new generation of advanced and high performance Radio Alarm Transmitter end units, compatible with all LARS Long Range Radio Alarm Systems. Manufactured using the latest SMD technology, the ATS100™ is synthesized, with units available for both VHF and UHF frequencies.
Significant innovations benefit both installers and their customers. By connecting the DI100 Dialer Interface between the ATS100™ and any alarm panel with a dialer enables full zone information to be transmitted by radio to the Central Monitoring Station (CMS) in real time- without interfering with the phone line connection.
So the same data will be sent in parallel to the CMS by phone. Fully redundant security systems are now possible!
The ATS100™ transmits a periodic test signal to indicate its status and alerts the CMS of service problems, such as low backup battery voltage, hours before the battery needs replacing.
The user-friendly FTU100™ Field unit gives the installer an on-site programming tool for the input or change of key parameters for the ATS100™- unit address, periodic test, and input polarity. Dedicated GUP10™ Utility software is available for PC programming of all ATS100™ parameters, including the radio frequency and message repetition.

Important Features

- Synthesized VHF and UHF units
- Compact and easy to install
- Serial port for parameter programming on-site by the FTU100 or by PC, using dedicated GUP10 Utility software
- Interfaces with any alarm panel for transfer of up to 256 different messages*
- Programmable periodic test messages

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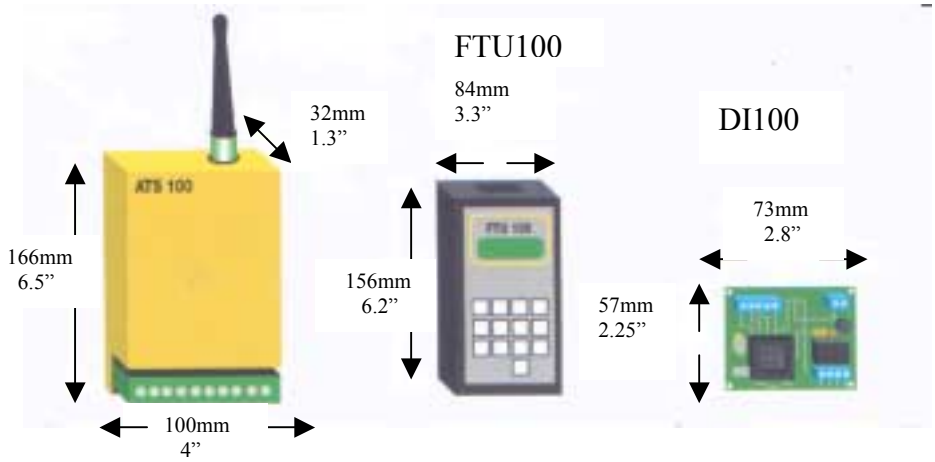
Long Range Radio Alarm Transmitter- **ATS™**
ATSU™



Innovations for Installers :

Alarm Panel Interface- the DI100 interface enables any Alarm Panel* to communicate full zone and panel information to the ATS100 without interfering with the phone line connection. The ATS100 will then transmit this data by radio to the Central Station Receiver, while the same data is communicated by phone line to a Line Receiver. This ensures full redundancy for alarm monitoring systems, whether LARS™ is relied on as the primary system, or as the secondary 'backup' to a phone line system.

Field Programmer Unit-the pocket size FTU100 handy programmer has a keypad and LCD display enabling easy read, write and change of ATS100 parameters on-site, such as unit address, input polarity and periodic test timing. An FTU101 variant is a similar unit for field use which measures and displays the signal strength of ATS100 transmissions as received by the nearest Repeater or the Central Station. An invaluable tool for an expanding radio network.

PC Utility Software-the user-friendly GUP10 software for Windows™ enables on-site-programming of all key ATS100 parameters. For programming the frequency and message repetition a user password feature allows access to authorized users only.

*From a comprehensive list of panels tested by KP engineers

Specifications:

	ATS100	ATSU100
Power Supply	DC Input 10-15VDC,16mA standby, 1 A max ,During transmission	
RF transmitter		
Frequency	136-174 MHz, synthesized	430-490 MHz, synthesized in three sub-bands:
	Divided into two sub-bands:	low 430-450MHz [code ATSU100L]
	Low 136-155MHz [code ATS100L]	medium 450-470MHz[code ATSU100M]
	High 155-174MHz [code ATS100H]	high 470-490MHz[code ATSU100H]
Modulation	FM,FSK and PMW	
Power Output	5W	2W
Frequency Stability	±5ppm at –30°C to 60°C (-23°F to 141°F)	
Spurious Emission	-75dB below carrier min	
Deviation	±5kHz max.	
	±2.0KHz for 12.5KHz bands (factory adjusted)	
	±3.3KHz for 25KHz bands (factory adjusted)	
Output impedance	50ΩBNC connector	
Digital Encoder		
Encoding	32 bit words in LARS and LARSI protocol with BCH and parity	
Unit Weight	0.6kg (1.3 lbs.)	

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