TX-7471 LRS Connect Transmitter

GUEST PAGING

Technical Specifications

SPECIFICATIONS	TX-7471 LRS CONNECT TRANSMITTER
Operating Environment	· Operating Temperature range: 0 to 40 degrees Celsius · Humidity: <95% (non-condensing) · Transport temperature range: -40 to 85 degrees Celsius
Power	· 5.5 mm barrel jack · 12 VDC +/- 15%, 2 A minimum, positive tip

Paging Transmitter	· Output power: 3/4 Watt
	   (Note: Maximum power output varies according to regulatory domain)
	
	· Frequency Range: 425 MHz - 470 MHz
	   (Note: Supported frequencies vary according to regulatory domain)
	
	· Bandwidth: 12.5 kHz
	   - 12.5 kHz FCC narrow-band directive compliant
	
	· Modulation: 2-GFSK (Gaussian Frequency Shift Keying)
	   (Note: Compatible with 2-FSK systems)
	
	· Deviation: 3.5 kHz
	   (Note: Compatible with 4.5 kHz deviation systems)
	
	· OTA baud rate: 625 - 2400
	
	· Frequency stability: +/- 5 ppm (+/- 2 ppm typical) over operating temperature and voltage range
	
	· Antenna connector: 50 ohm BNC
	
	· Standard supplied antenna: Rubber duck type antenna with optional right angle adapter
	
	· Maximum transmitter duty cycle: 50% (averaged over 1 minute)
	
	· Maximum Permissible Exposure: Distance between antenna and users should not be less than 20 cm to comply with ANSI C95.1 and FCC OET Bulletin 65

Paging Receiver	· Frequency Range: 425 MHz - 470 MHz
Supported Paging Protocols	· Proprietary LRS protocol · POCSAG alphanumeric at 512, 1200, and 2400 baud

SPECIFICATIONS	TX-7471 LRS CONNECT TRANSMITTER
Networking	· 100 Mbit 100Base-TX · 10/100 auto-sensing data rate · Half-duplex / full-duplex autosensing · Standard 8P8C (e.g. RJ-45) connector · Link and activity LEDs · 1500 Vrms isolation · ESD Protected · IPv4 · Network configuration 　　- DHCP 　　- Fully static configuration · Support for HTTP proxies with basic authorization · Interface protocols: 　　- LRSN 　　　　- Proprietary LRS protocol 　　　　- Based on XML command packets 　　　　- Documentation available upon request
User Interface	· 4x16 alphanumeric LCD with LED backlight · 20-key keypad · ESD protected
Dry Contacts	· 2 dry contacts available · 2.5 mm TR jack · Pulled up to 3.3 V with 10 kOhm resistor · ESD protected · Does not source current · Configurable to send page / SMS message on rising or falling edge · Change notifications output over USB and network interfaces
Firmware Upgrades	· Firmware can be updated either by downloading from an Internet server or through the USB port
Certifications	· FCC 　　- Part 90 (Land Mobile Radio Services) mobile base station licensed transmitter 　　- Part 15 Class B digital device
Dimensions	· 9.25" x 4" x 4" (with antenna)