



TSRLink Spread Spectrum Wireless I/O

No Programming- Drop-In wire replacement- Secure Encryption Over 10 miles - Unlimited Distance w/ Repeater(s)



- Programmable selection of channels
- License free band of the radio spectrum
- Addressing includes station ID, and network address
- Built-in CRC-16 error detection and auto-retransmit to provide accurate and reliable data
- Radio Test Software includes spectrum analysis utility
- Easy to use Windows based radio setup software

- The TSRLink is the latest generation of industrialized license-free radio technology.
- The TSR900 was designed and developed specifically for today's municipal and utility applications.
- Completely upward expandable
- LED indicators -Dig I/O -Comm Status
- Common alarm/Comm Fail contact output



Nota Bene Technology, Inc.

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Nota Bene Technology TSR900 - Technical Specifications

SR900 Configurator



File Radio Port Advanced QuickSystem Spectrum Analysis Spectrum Data 0 0 -20 -20 -40 -40 -60 -60 -dBr 11 -80 -80 -100 -100 -120 -120 -140 -140 वि -11 21 31 71 81 101 121 5 61 9 Done W/Spectrum Best Std. Pattern= 39. (hits worst chans 8 times.) Ver.2.6.6

Spectrum analysis utility included with the software

Transmitter and Receiver Details			<u>General</u>	
Operating Freq.	902-928MHz		Approvals	FCC and Industry Canada
System Gain	135 dB		Data Interface	Asynchronous Serial - RS232
Sensitivity	-105 dBm		RS-232 Signals	Sig. Gnd, TX, RX, DSR, DTR, RTS, CTS
Output Power	1mW to 1 W (Use	er-Configurable)	Other Signals	CD, RXMode, TXMODE, RSSI1, 2, 3
Spread Code Hopping Pattern	Frequency Hopping 20 pseudo-random, user selectable		Communications Range	Up to 19 Miles (30 Kilometers) line-of-sight is optimum
Freq. Stability	\pm 2.5ppm \pm .00015%		Memory	Nonvolatile configuration memory
TX Keying	Data Activated		Operating Modes	Point-to-point, Point-to-multipoint
TransmitterOutput impedance 50 ohmsSpurious Emissions , <60 dBa			Power Requirements	12-24VDC @ maximum of 542mA
			Error Detection	CRC-16 with auto-retransmit
			Data Latency	25 - 50mS
			<u>Environmental</u> Dimensions(WxDxH) Weight	3" x 4.8" x 2" Approx. 11 ounces
			Operating Environment	-40 to +65C; Humidity 5-95% Non-condensing
Primary Power				
Transmitter Supply Current 1m		1mW=193mA, 10mW=212mA, 100mW=294mA, 1W=542mA		
Receive Supply Current		194mA		
Power Requirements 1		12-24VDC @ maximum of 542mA (see TX & RX specification above)		
Reverse Polarity Protection		Diode across primary power input		

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