



WLD900

DATA SHEET

The WLD900 allows you to install a close or long-range, point-to-multipoint, wireless LonWorks® network, at a fraction of the cost of installation labor, conduit and cable. The WLD900 is plug-and-play requiring no special programming tools or network management software. The wireless protocol features a dynamic addressing scheme, which simplifies node-to-node communication and optimizes the Rf network.

Features

- 902–928 MHz Spread Spectrum, Frequency Hopping technology provides excellent performance to penetrate foliage, building walls, and floors, and achieve long distances
- Variable output, 5mW to 1000mW
- 56 bit DES encryption key
- Simple plug-and-play setup with minimal configuration required
- Flexible input power, 12-24 VAC/DC

Technical Specifications

Frequency Band	902-928 MHz (US)
RF Data Rate	76.8 Kbps fixed
Data Rate	Up to 115.2 Kbps
Antenna	RPSMA
Channels	Up to 32 (US)
Modulation	FHSS FSK
Security	One-byte system ID, 56-bit DES encryption key
Output power	5mW-1000mW variable
Power consumption	1.3 amps
Vcc	12-24 VAC/DC
Sensitivity	-100dBm Typical @ 76.8 Kbps Rf Data Rate
Range, Line of Sight	Up to 40 miles, with higher gain antenna
Temperature (operating)	-40°C to 80°C
Size	1.75" x 4" x 4.3" (44mm x 101.6 mm x 109.2 mm)
Weight	Approximately .6 lbs.
FCC Part 15.247	KQL-AC4490
Industry Canada	2268C-AC44901000

Whether the need is for a single set point on an existing building automation system or multiple control panels, AIC Wireless has the solution. By simply connecting a “server” unit on your existing control system, you now have the ability to pull in points from remote locations by adding “client” radios to field devices. Whether the need is only a few hundred feet or several miles away, AIC Wireless products can fill the gap.