



WLD241 WLD242

DATA SHEET

The WLD241 and WLD242 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 WLD241 and WLD242 are 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. *(WLD241 approved in Europe)*

Features

- 2.4 GHz Frequency
- FCC, IC and ETSI/CE Certified*
- FHSS for interference rejection, co-located systems, data integrity, high power output
- Simple plug-and-play setup with minimal configuration required
- Flexible input power, 12-24 VAC/DC

Technical Specifications

Frequency Band	2.402–2.478 GHz
RF Data Rate	576 Kbps fixed
Data Rate	Up to 192 Kbps
Antenna	RPSMA
Channels	88 Channels US/Canada; 40 Channels Europe
Modulation	FHSS
Security	One-byte system ID
Output power	WLD241 (100mW) WLD242 (200mW)
Power consumption	1.3 amps
Vcc	12-24 VAC/DC
Sensitivity	-90dBm Typical @ full Rf Data Rate
Range, Line of Sight	Up to 1 mile (WLD241) Up to 2 miles (WLD242)
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	(WLD241) KQL-AC4424 (WLD242) KQL-PKLR2400-200
Industry Canada	(WLD241) CAN2268C391190A (WLD242) CAN2268391180A

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.