

# American Control Technologies, Inc. ACT Goes Green

the

# complete wireless solutions

# General

	and an
Frequency	902-928 MHz
Spreading Type	Frequency hopping, direct FM
Network Topology	Point-to-point, point-to-multipoint
Channel Capacity	7 hop sequences share 25 frequencies
Serial Data Interface	RS-232/422/485
I/O Data Rate	1200-57,600 bps

# **Power Requirements**

Supply Voltage	5 VDC regulated
Transmit Current	150 mA
Receive Current	50 mA
Power Down Current	26μΑ

# **Physical Properties**

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Case Size	
Weight	
Connector	
Operating	
Temperature	

## Certifications

FCC Part 15.247	OUR9XSTREAM	
Industry Canada	4214A-9XSTREAM	
Europe	N/A	

#### Antenna

1/4 wave monopole
Frequency hopping, direct FM
Point-to-point, point-to-multipoint
7 hop sequences share 25 frequencies
RS-232/422/485
1200-57,600 bps

### **Performance**

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Indoor/Urban Range	Up to 1500'(457 m)
Outdoor LOS Range	Up to 7 mi. (11 km) w/
	dipole
	U to 20 mi. (32 km) w/
	high-gain
Serial Data Throughput	1200 bps
	9600 bps
	19.2 kbps
RF Baud Rate	1280 bps
	10,000 bps
	20,000 bps
Transmit Power	140 mW (21.5 dBm)
Receiver Sensitivity	-114 dBm

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## Overview

American Control Technologies, Ltd. AMR 900, Automatic Reading solution takes advantage of the ACT wireless SCADA network. By placing AMR data on the same wireless network as the SCADA data, this eliminates the cost of installing and operating a totally separate system, reduces spare parts and inventory, and streamlines personnel training. Totalized water usage can be gathered each day for every consumer, automatically, compatible with many billing software packages.

#### Performance

The Model AMR900 alerts the control center upon detection of leaks, burst pipes or faulty units, including their exact location, for quick and efficient troubleshooting. This means that considerable volume of water can be saved. The Model AMR900 can be remotely accessed from distances exceeding 20 miles LOS (line of sight).



#### **Features:**

• Compatible with all water, gas, electricity meters with pulse outputs

**DataHopper AMR Series** 

- Real time fault detection
- Wireless and cable free so easy to install
- Retries & acknowledgements for guaranteed packet delivery
- Area wide networks possible using repeater units to extend radio coverage
- Up to 65,000 network addresses available
- Seamlessly connects to DataHopper 900 series
- Compatible with billing software
- Long range 20 miles LOS
- Nema 4X enclosure
- Included battery gives up to 6 years of trouble free operation

www.AmericanCompTech.com

