

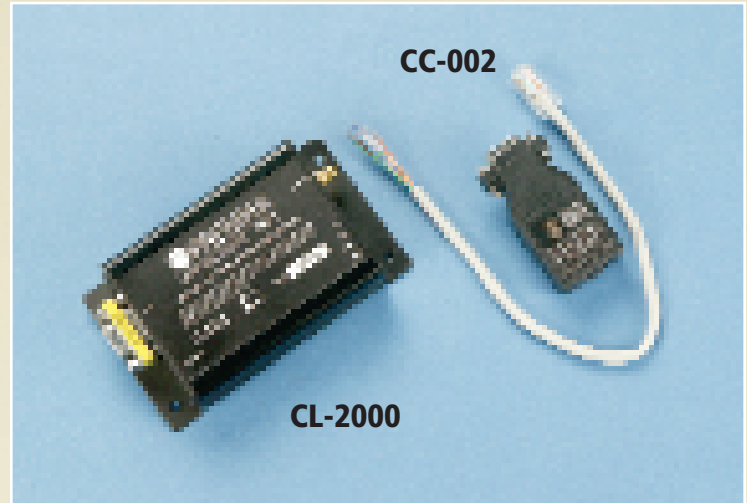
WIRELESS DATA SYSTEM

P/T/Z AND ACCESS CONTROL

Premier Wireless data transceivers can be used in a variety of applications requiring communication between RS-232/422/485 devices. Their flexibility and features allow users to replace wired connections between industrial, commercial and even residential applications.

Camera Control: The CL-2000 radios can be used to provide remote wireless connectivity for P/T/Z camera control with any of the CCTV systems on the market today. They have specifically been tested to operate with GE Interlogix (Kalatel), Panasonic, Pelco, Phillips (Bosch), Sensormatic and Vicon cameras. Operating in point to multipoint mode a single transmitter can control multiple P/T/Z receivers when the P/T/Z controller provides addressing. These radios eliminate the need to install a twisted pair loop to remote P/T/Z camera locations.

Access Control: The CL-2000 radios can also be used to link remote access control panels with the main controller. Full duplex operation in addition to multiple independent channels (up to 77) allows rapid and easy installation of multiple access control panels. An optional converter (CC-002) converts between RS-422/485 4 wire, RS-485 2 wire and RS-232 data formats.



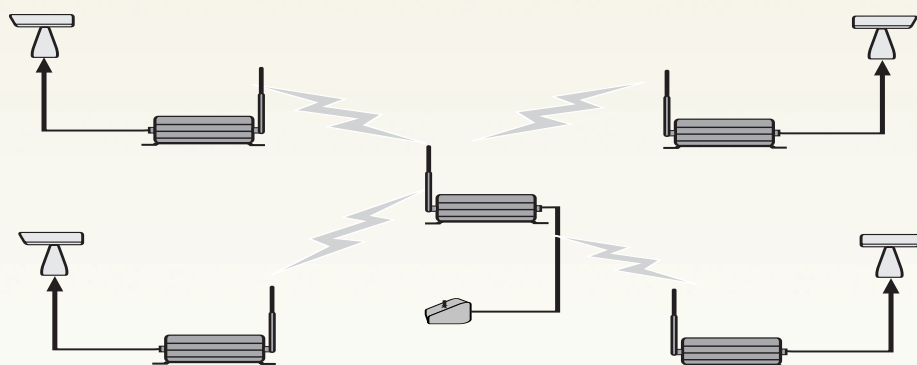
FEATURES:

Secure Communications: Data protection is provided by the Data Encryption Standard (DES) protocol using an established algorithm and a 56-bit key stored in onboard EEPROM.

Un-Licensed Frequency Bands: Operation in the 902 - 928 or 2400 - 2483 MHz frequency bands requires no user license or user certification under FCC Part 15 rules.

Multiple Channels: 32 (900 MHz) or 77 (2.4 GHz) channels are available.

Long Range: Up to 20 miles operating range with clear line of sight (CLOS) and proper antenna selection.



POINT TO MULTIPPOINT P/T/Z CONTROL

Specifications

Ordering Information

Data Links

CL-2000	900 MHz Full Duplex Modem
CL-2400	2.4 GHz Full Duplex Modem
CC-002	RS-422/485 to RS-232 Converter

Antennas

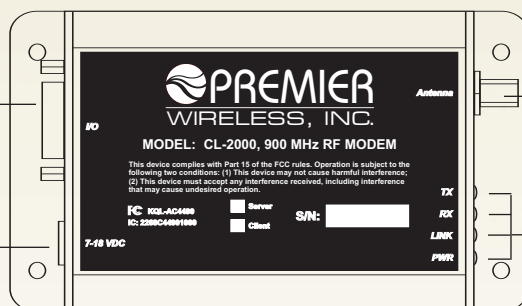
AM-900	900 MHz Whip antenna with R/P SMA Plug (F)
AM-901	900 MHz Whip antenna with Type N Plug
AM-903	900 MHz 3 dB Omni antenna with 6' cable
AM-906	900 MHz 6 dB Yagi antenna with 6' cable
AM-911	900 MHz 11 dB Yagi antenna with 6' cable
AS-13	2.4 GHz 6 dB Omni antenna with 6' cable
AM-2413	2.4 GHz 13 dB Yagi antenna with 6' cable

7400067A00	Heater Kit
7000087D00	New NEMA Enclosure, 12 VDC
7400070A00	External 110VAC/12VDC Power Supply Kit
7400071A00	External 24VAC/12VDC Power Supply Kit
7000088D00	Pole Mount for larger diameter pole

PARAMETER	900 MHZ MODEL	2.4 GHZ OPTION
Standard Interface	RS232 (DB9 male)	RS-232 (DB9 male)
Frequency Band	902 - 928 MHz	2.400 - 2.483 GHz
Modulation	FHSS FSK	FHSS FSK
Serial Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output power	1000 mW variable	200 mW fixed
Input power	6 Vdc to 18 Vdc	6 Vdc to 18 Vdc
Power consumption	440mA @ 12VDC	230 mA @ 12 VDC
Channels	Up to 32	Up to 77
Security	1-byte system ID, DES	8-byte system ID
Sensitivity	-99 dB @ full data rate	-90 dB @ full data rate
Range	Up to 20 miles	Up to 2 miles
Temperature	-40 to +80 C	-40 to +80 C
Dimensions	4.75x2.75 x 1.17 inches	4.75 x 2.75 x 1.17 inches
Weight	< 6 oz	< 6 oz
Antenna connector	SMA reverse polarity	SMA reverse polarity
Indicators	PWR, Link, Tx, Rx	PWR, Link, Tx, Rx

RS-232 DB-9
CONNECTOR
(MALE)

POWER



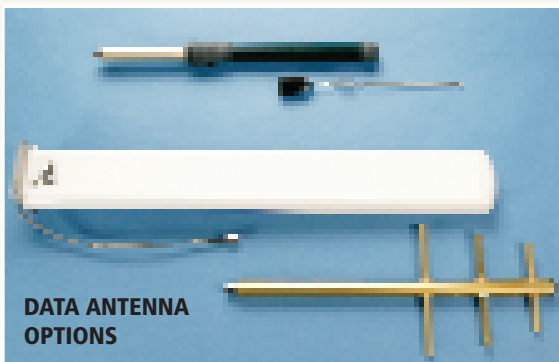
RF OUTPUT

LEDs

120 OR 24 VAC -
12 VDC SUPPLY



DATA ANTENNA
OPTIONS



POLE MOUNT

