ConnexLink™   Wireless Radio 900 MHZ Transceivers

STANDARD FEATURES

- Durable industrial-grade enclosure with mounting flanges
- Transmits around corners and through walls
- Reliable communications up to 115200 kbps
- Supports point-to-point and point-to-multipoint applications

RF Transceivers/RFID

SPECIFICATIONS

FREQUENCY BAND:
902-928 MHz

MODULATION:
FHSS FSK

STANDARD INTERFACE:
RS232 (DB9 Male) or RS485 (6-pin terminal block)

SERIAL INTERFACE DATA RATE:
up to 115200 kbps

OUTPUT POWER:
5 mW-1000 mW variable

INPUT POWER:
7 VDC-18 VDC

CURRENT DRAW (@ 12 VDC):
400 mA TXD, 40 mA RXD

POWER SUPPLY:
AC transformer via 6 ft cable (183 cm)

ELECTRICAL REQUIREMENTS:
Line voltage 100-120 V; frequency 50-60 Hz (240 V outside the US)

CHANNELS:
Up to 32

SECURITY:
1-byte system ID, DES

SENSITIVITY:
-99dB @ full RF data rate

RANGE (LINE-OF-SIGHT):
Up to 20 miles (32 km)

TEMPERATURE:
-40 to 80 degrees Celsius

HUMIDITY (NON-CONDENSING):
10% to 90%

WEIGHT:
<6 oz (<170 g)

DIMENSIONS:
4.75 in x 2.75 in x 1.17 in (121 mm x 70 mm x 30 mm)

ANTENNA CONNECTOR:
Reverse polarity SMA jack (female)

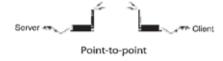| PART #	DESCRIPTION	PRICE
86134	ConnexLink RF device 900MHz RF device server/client	Consult factory
105776	ConnexLink PRO 900MHz 1W, wireless Transceiver with large buffer	Consult factory

OPTIONS/ACCESSORIES

78827	Power supply, 115 VAC input/6 VDC output	Consult factory
103979	Antenna 1/2 Wave, 2 dbi, 7" for 900MHz radios	Consult factory
110538	ConnexLink FRP enclosure	Consult factory
110539	ConnexLink Pro enclosure	Consult factory

When operating multiple sets of ConnexLinks radios in range of each other, "Sync To Channel" must be configured so that the multiple Servers stay in sync with each other to guarantee that data is never transmitted on the same frequency. The first server needs to be set to Channel 16 and the remaining Server(s) need to be set to different channels. Make sure the Clients match their respective Servers with channel # and System ID #.

Sync to Channel must be enabled on all Servers that have a channel number greater than 16. No other configuration modifications are required for the Clients. In order to enable "Sync To Channel" user will be required to download the latest software at: http://www.aerocomm.com/rf_documents_software/lock_software.htm, then select Development Kit Software.

Once downloaded, launch the software and select "PC Settings." In the Product Field select Connex4490. Also select the appropriate COM port and Baud Rate. Click the About button and left-click the cursor. Type "showframe," then Enter. Your typing will not appear in the window. Click OK and select Show All Options. Click on the configure tab and follow the directions on the screen.

WIRELESS NETWORK