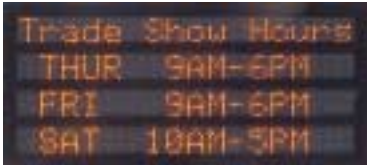




## PAGELINK 900 PAGING DATA RECEIVERS

### TYPICAL APPLICATIONS

#### Remotely Change Sign Displays



#### Street Lighting Control



#### Irrigation Control



#### Electrical Load Control



The Vytek PageLink is a high-performance paging data receiver board which is ideal for providing remote control and one-way telemetry utilizing either the existing 900 or 150 MHz FLEX\* paging infrastructure or on-premises paging equipment.

The PageLink 900 unit provides eight addressable high/low output lines as well as a serial output. These receivers are the ideal choice for remote control and one-way telemetry applications such as traffic signal control, irrigation control, remote signboard programming, and load control.

These receivers are synthesized and operate in the 929-932 MHz or 135-175 MHz frequency range. The PL-900 is also capable of receiving data for up to 16 programmable capcodes for flexible group and sub-group addressing.

The PL-900 comes with either an on-board antenna or a connection for an external long-range antenna.

### Features

- Serial Interface (RS-232 or TTL)
- 8 discreet output control ports
- Uses existing nationwide or on-site paging infrastructure
- High performance and reliability
- Building block for wireless one-way telemetry and control applications
- Numeric/alphanumeric message reception (Language transparent)
- Synthesized receiver allows you to program the receiver to operate on the necessary frequency
- Multiple Addressing - 16 programmable capcode addresses
- Message source ID control
- Message header control
- Message trailer control
- Over-the-air programming
- LED and digital signal out of range indicator
- Message alert (w/ ON/OFF control)
- Message error indication
- Message length indication
- Flow control
- Wide operating temperature range
- FLEX\* protocol
- Low Cost

\*FLEX is a registered trademark of the Motorola Corporation



# VYTEK

## PAGELINK 900 PAGING DATA RECEIVERS

### WIRELESS

#### AVAILABLE OPTIONS

PL-900 Board Only  
with On-Board Antenna



Model: PL-900

PL-900 with Case  
and BNC Connector



Model: PL-900-H-BNC

PL-900 with Case  
and OSX Connector



Model: PL-900-H-OSX

*Not Shown:*  
PL-900 with Case and  
On-Board Antenna

#### Specifications

Dimensions	50mm x 50mm x 10mm (L x W x H)
Weight	30g
Input Voltage Range, selectable	3V~5V, 8V~15V
Current Drain (with 3V supply voltage)	Peak Receive, I/O at high impedance - 15 mA Receive off, I/O at high impedance - 4 mA Maximum Allowable B+ Current - 1 A
Operating Temperature	-10°C ~ +50°C
Wireless Receiver	<ul style="list-style-type: none"> <li>Signal Protocol: FLEX</li> <li>Message Format: compliant with FLEX numeric and alphanumeric format</li> <li>Frequency Range: 929 ~ 932 MHz or 135 ~ 175 MHz</li> </ul>
RF Characteristics	<p><b>929 ~ 932 MHz</b></p> <ul style="list-style-type: none"> <li>Sensitivity: 13.5 <math>\mu</math>V/m</li> <li>Image Rejection: &gt; 40 dB</li> <li>Inter-modulation Rejection: &gt; 40 dB</li> <li>EIA Selectivity: &gt; 50 dB</li> <li>Frequency Deviation: <math>\pm</math>4.8 kHz</li> <li>Frequency Stability: <math>\pm</math> 7.5 ppm</li> </ul> <p><b>135 ~ 175 MHz</b></p> <ul style="list-style-type: none"> <li>Sensitivity: 10 <math>\mu</math>V/m</li> <li>Image Rejection: &gt;50 dB</li> <li>Inter-modulation Rejection: &gt;50 dB</li> <li>EIA Selectivity: &gt; 55 dB</li> <li>Frequency Deviation: <math>\pm</math>4.8 kHz</li> <li>Frequency Stability: <math>\pm</math> 7.5 ppm</li> </ul>
Connector Inputs/Outputs	<ul style="list-style-type: none"> <li>2 DC Power Supply Inputs (+3~5V or +8~15V)</li> <li>RS232 or TTL Output</li> <li>Serial Port Baud Rates (Bps) 2400, 4800, 9600, 19200</li> <li>8 Customer Configurable Outputs (2 ports at 1A, 6 ports at 100mA)</li> </ul>

Evaluation Kit Available. The evaluation kit consists of Windows based programming software, programming cable, power supply, \*test board, and PageLink 900.

\*The test board provides a DB9 RS-232 connector interface to the serial port, has LED's to show the status of the 8 digital I/Os, has a DC regulator so that a power-cube can be used to power it, and provides jumpers to select other external DC power sources to drive the test PCB if necessary.

Evaluation Kit Part Number: PL-900-EVAL

For further information and pricing, please contact your Vytek representative.

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The PageLink 900 has been made available through a strategic partnership between

Vytek Wireless Products and **DAVISCOMMS**