

# Protocol Adapters

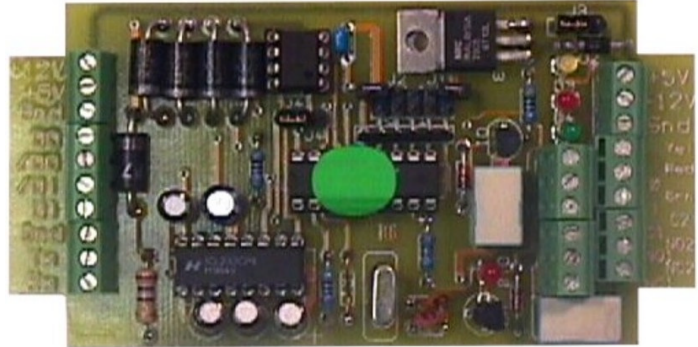
**Product Code: L-PA100**

## Description: Wiegand Interface

The Wiegand interface unit converts data from the Wavetrend Buffer **L-CB100** or the Wavetrend Reader **L-RX201** to standard Wiegand (bit selectable) protocol as commonly used in the Access Control Industry.

The unit comprises of a plug-in module, consisting of a 8-way screw terminal for the input wires from the Receiver Network and an 8-way terminal for the seven wires to a Wiegand access controller.

The user should order Wiegand encoded Tags for use with this unit.



## Features

- User can select between 26 or 32 bit output.
- Wiegand standard LED indicators.
- Build In Test Function with LED indicator.
- Generic Interface to the Link-it™ System.
- On board relays provide additional control functions.
- Connects to either the Commercial Buffer or the ReaderNet.

## Applications

The Wiegand Interface allows System Integrators to interface the Link-it™ Active Tagging System into existing Access Control and Security Systems.

## Specifications

### Technical Specification

Input Voltage	5V dc – 13.6V dc
Current Consumption	< 50mA
Relay Capacity	2 A
Tag ID Re-transmission Time	500mS
LED Indications	Yellow (Enable) Green (Valid Read) Red (Disable, Test)

### Environmental

Operational temperature	- 10° C to + 60° C
Storage temperature	- 20° C to + 70° C
Humidity	5% to 90% (non condensing)

### Physical

Enclosure	Optional, the unit is supplied as a PCB for integration with customer units.
Interface	2 x 8-way terminal connectors

**Wavetrend (Pty) Ltd.**  
Wavetrend House  
Hammets Crossing Office Park  
Selbourne Rd  
Fourways  
Johannesburg  
South Africa  
Tel +27(11)462-2633  
Fax +27(11)462-6316



**Wavetrend Inc.**  
13912 NE 31<sup>st</sup> Place  
Bellevue, WA  
USA  
  
Tel +1-206-949-6394

sales@wavetrend.net

**Wavetrend UK Ltd.**  
1<sup>st</sup> Floor, 7 Mallard Court,  
Mallard Way, Crewe Business Park, Crewe,  
Cheshire  
England  
CW1 6ZQ  
  
Tel +44-1270-214-433  
Fax +44-1270-214-420

