



PTE110 Level Shift Assembly

Features

- Dual operation:
Converts TTL input to programmed bilevel output Programmed threshold detection with TTL output
- 20 channels, mode settable for each channel
- Software controlled via RS-232 interface
- +/-15 volt
- Windows compatible DLL
- Soft Front Panel

Summary

The model PTE110 level shift assembly provides a means to allow TTL compatible devices to communicate with devices that operate at the voltage levels.

In the input mode of operation, the PTE301A converts TTL inputs to user programmed bilevel voltage levels. In the output mode of operation, the PTE301A has user programmed threshold detection and TTL outputs.

The PTE301A supports 20 channels. The mode of operation can be defined individually for each channel. In addition, the bilevel output and threshold detection levels can be defined individually for each channel. The translated (non TTL) side of the PTE301A can also be tristated. All outputs are short circuit protected by inline resistors, and diodes provide overvoltage protection.



Specifications

TTL Side:	
Interface:	TTL Compatible (74F245 type)
Translated Side:	
Input Mode:	+/-15V high and low detection 256 program steps for high and low 5kOhm input impedance
Output Mode:	+/-15V high and low bilevel output 256 program steps for high and low 50 Ohm output impedance
Performance:	
Data Rate:	10mbps
Trise:	150ns
Tfall:	150ns
Program Interface:	RS-232 @ 9600 Baud
Power Requirements:	115VAC @ 2A External Power Supply
Mechanical:	
Form Factor:	2HU Rackmount
Dimensions:	3.5"Hx19.0"Wx12.0"D
Program Connector:	RJ11
TTL I/O Connector:	20 Pin male header
Translated I/O Connector:	20 Pin male header
Ground:	#10 lug
Environmental:	
Operating:	Temperature: 0°C to +45°C Humidity: 5 to 90% @ 40°C Non-Condensing
Storage/Transit:	Temperature: -25°C to +70°C Non-Condensing
Altitude:	10,000 ft above sea level

Ordering Information

Part Number:	301-1200
Includes:	Unit, Windows DLL, Soft Panel

Consult factory for: Custom configurations.