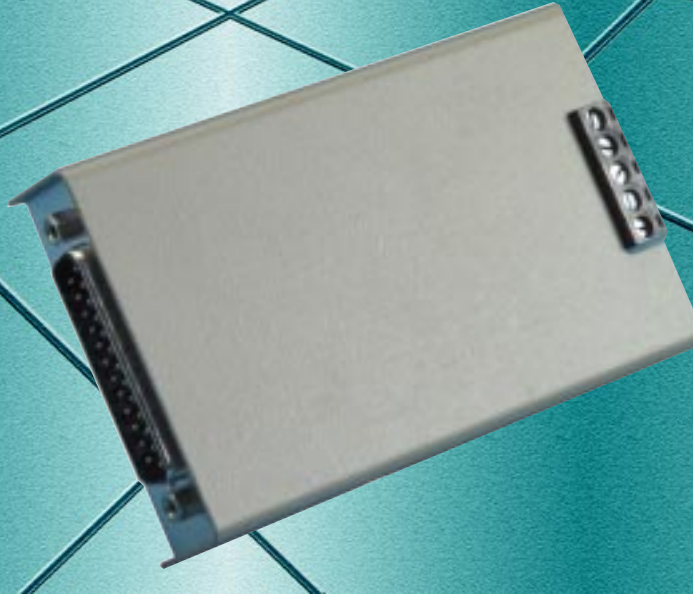# ALD-19.2
ASYNCHRONOUS LINE DRIVER

FEATURES / BENEFITS

√ **Interface - RS-232 and Dedicated 4-Wire**

√ **Data Rates - Asynchronous 9.6K and 19.2Kbps**

√ **Point-to-Point Operation**

√ **Full Duplex Operation**

√ **Transmission Range - 2000 feet on 24awg wire**

√ **Transfers Control Signals In-Band**

√ **No AC Power required**

√ **Built-in Surge Protection**

DESCRIPTION

The Asynchronous Line Driver (ALD-19.2) utilizes state of the art digital CMOS technology to provide a feature filled product at a very affordable price. The ALD-19.2 transmits and receives data bi-directional at data rates up to 19.2kbps. The unit is designed for asynchronous Point-to-Point operation.

The ALD-19.2 utilizes a microprocesssor to pass control signals bi-directionally independent of data or carrier operation.

The ALD-19.2 is configured as a DCE interface. Control signals for RTS and DTR are passed as in-band flow control. This flow control is full duplex and control signals are transferred simultaneously in both directions.

The ALD-19.2 has a DB-25 male connector for RS-232 connection. The unit has a five position terminal block for connection to the transmission line, including a 4-wire connection and ground. Built-in surge protection protects both the RS-232 and 4-wire interface connection.

The ALD-19.2 is switch selectable for data rate and asynchronous data format. The unit supports 7, 8 or 9 bit data and is capable of transmission rates at 9.6k or 19.2kbps.

Applications that benefit from the ALD-19.2 are computer to remote printer applications or multiplexer to remote DTE connection. The ALD-19.2 is very popular in the retail industry for remote thermal printers.

Utilizing new 1998 technology has allowed the ALD-19.2 to operate without AC power. The unit has the ability to operate with only one control signal being active.

The ALD-19.2 is housed in a sturdy metal enclosure and has a three year warranty and a 24 hour turnaround on warranty repairs.

EAST COAST DATACOM, INC.

SPECIFICATIONS

Application
For Duplex Asynchronous Point-to-Point operation utilizing flow control in-band

Interface
RS-232 and 4-Wire

Data Rates
9.6K and 19.2Kbps

Driving Distance
Dependant on data rate and wire gauge

Switches
Dip Switch for Data Rate, Character Length and control signals of RTS or DTR

RS-232 Physical Interface
Male DB-25 Connector

4-Wire Physical Interface
5-Position Terminal Block

Line Requirements
Four Wire private, unloaded with no bridge taps

Surge Protection
RS-232 and 4-Wire interface

Power Source
No AC Power Required

Environmental
Operating Temperature....32° to 122° F (0° to 50° C)
Relative Humidity.............5 to 95% Non-Condensing
Altitude............................0 to 10,000 feet

Dimensions
Height .... 0.50 inches (1.27 cm)
Width .... 1.75 inches (4.44 cm)
Length .... 3.90 inches (9.91 cm)

Weight
1/2 pound (0.229Kg)

Warranty
Three Years, Return To Factory
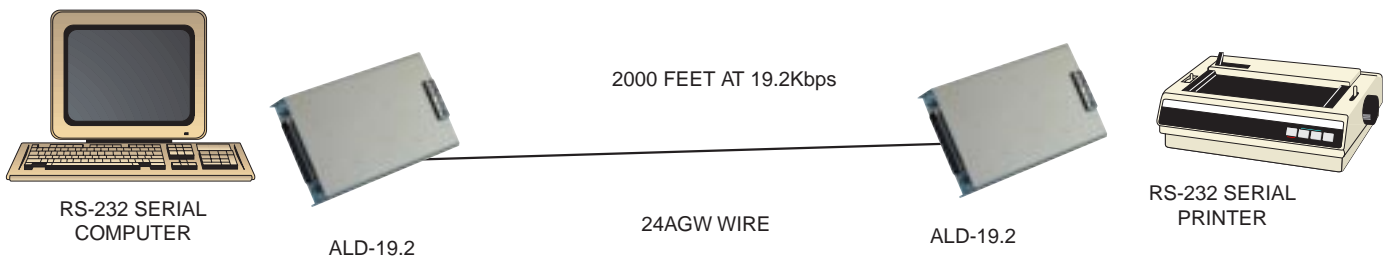
ORDERING INFORMATION
Model: ALD-19.2
Description: Async Line Driver

INCLUDED WITH EACH UNIT:
1) Operations Manual

For further detailed technical information on this products, contact East Coast Datacom Technical assistance at (407) 637-9922

EAST COAST DATACOM DESIGNS AND MANUFACTURES DATA COMMUNICATION EQUIPMENT FOR YOUR NETWORK REQUIREMENTS.

RS-232 SERIAL
COMPUTER

ALD-19.2

2000 FEET AT 19.2Kbps

24AGW WIRE

ALD-19.2

RS-232 SERIAL
PRINTER

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

DOC #721022

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