



Description

The **DL1142** is designed for operation over Category cabling and standard 24 AWG telephone pairs. With this system it is unnecessary to use 18 AWG shielded pairs. The unit works equally well over existing communication cables, computer network spare pairs or new cable installations. A highly balanced output design assures that the system will not interfere with other equipment on the network. The DL1142 is designed for easy connection to standard security equipment, including keyboards, matrixes, P/T/Z systems, access control systems, CPU units, etc.

The DL1142 is a single unit that connects to twisted pair wires and data via a screwless terminal block for 14 to 26 AWG wires. This unit can be installed at the data source or up to 4,000 feet away. The DL1142 outputs a data signal that will go for an additional 12,000 feet and allows up to 32 more data devices to be connected to it.

Features

- EIA standard input and output
- Data speeds of 64K baud up to 12,000 feet
- Built-in surge suppression
- Balanced communication output can be run in the same cable with telephone, video and other computer signals
- Screwless terminal blocks allow easy connection to any wire type from 14 to 26 AWG

Applications

- Keyboards—extends keyboards for matrix and multiplexer control
- Access Control Systems—between buildings and around campuses or remote gates
- Pan and Tilt Systems—extends control signals to 12,000 feet for all major manufacturers' equipment



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TECHNICAL SPECIFICATION

DL1142 Data Line Driver

Size	1.1" H x 2.6" W x 4.3" D
Power Requirements	14-18 VDC @140mA
Input	EIA standard data
Output	Amplified data to meet and work with all EIA standard equipment to 3600 meters
Surge Protection	Built-in surge suppression is provided when earth ground connection is used
Temperature Range	-20°C to +65°C
Humidity Range	0 to 98%, non-condensing
Enclosure Material	Black, ABC flame retardant plastic
Shipping Weight	1 lb

Wire and Cable Recommendations

We recommend using unshielded twisted pair wiring. The systems will operate over wire 26 to 18 AWG but are optimized for 24 AWG. Category cables may be used. Individually shielded pairs should be avoided, as they drastically reduce the operating range of the systems. Multi-pair cable with an overall shield is acceptable. Video can be operated in the same communication cable coexistent with telephone, computer, control signals, power voltages and other video signals. While video may be routed through telephone punch down block terminals, any bridge-taps, also called T-taps and any resistive, capacitive or inductive devices **MUST BE** removed from the pair.

