



Introduction

The ATC-131 optically isolates and protects the transmit and receive lines of your RS-232 port from ground loops and power surges up to 2500V RMS for one minute. The data stream is converted from an electrical pulse to an optical beam, then back to an electrical pulse. Because there is no electrical connection between the DTE and DCE sides of the isolator, the ATC-131, unlike a surge suppressor, will not pass large sustained power surges through to your equipment.

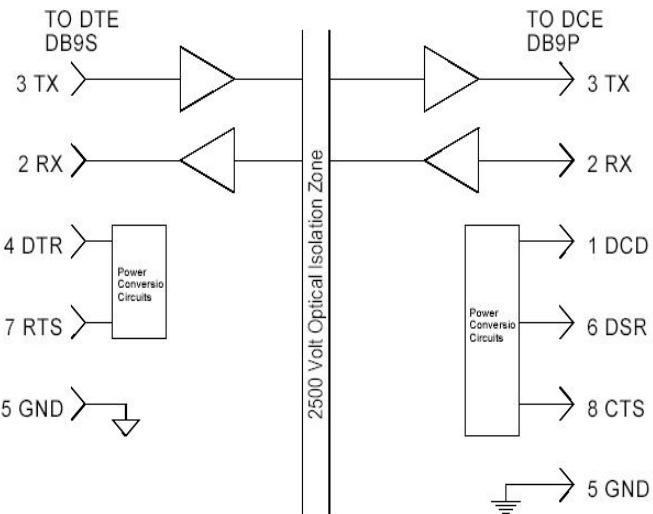
This isolator will protect both the transmit and receive lines at baud rates up to 57.6K without the need of an external power supply. Power is derived through the transmit and handshake lines. Special circuitry allows the ATC-131 to be powered regardless of the state of the handshake lines. At least one handshake line must be connected on each side of the isolator. Note that handshake line signals are not passed through the isolator.

Application

- Ø Bank, railway, electric power, post office, insurance, finance, administrative organs
- Ø Various multi-user systems including UNIX
- Ø Protect various multi-user terminals and hosts
- Ø Protect satellite receiver
- Ø Protect program controlled exchanger, charge terminal, attendant
- Ø protect multi-user card
- Ø protect non-ground RS-232 device
- Ø Protect the MODEM and router

Feature

- Ø Protect serial port, inhibit static and surge, prevent ground loop and surge damaging devices
- Ø Adopt latest high voltage photoelectric parts, powerful anti-jamming capacity
- Ø Support RS-232 asynchronous communication standard, direct insert into RS-232 interface serially, convenient operation
- Ø Transmission speed up to 57.6kbps
- Ø Compact size, optional manifold signals and suitable for various devices.
- Ø Interface feature: Conform to EIA RS - 232 and CCITT v. 24 asynchronous protocol
- Ø Electric interface: Use the DB9 connector on both sides
- Ø Working mode: Asynchronous full duplex
- Ø Isolation: 2500V in succession or 7500V pulse
- Ø Power supply: Power supply to the RS - 232 port (TXD, RTS or DTR)
- Ø Transmission speed: 0-57.6kbps
- Ø Working environment: -20°C to 70°C, 5% to 95% relative humidity
- Ø Product appearance: Plastic shell 63mmx33mmx17mm



Order information

ATC-131	RS-232 serial port photoelectric isolator
ATC-155	Photoelectric isolation long distance transceiver

Contact us

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