



MODEL232D/9

RS-232 Line Repeater with Photoelectric Isolation

- Convert RS-232 signal into current signal, extending communication distance up to 2km
- Support 2500V photoelectric isolation
- Unique port-power technology, no need for external power supply
- Automatic serial port signal rate detection, zero-delay automatic forwarding
- Support -40 ~ 80°C wide operating temperature range
- Compact size, plug and play



Introduction

Model 232D/9 is an industrial-grade pocket RS-232 line repeater with photoelectric isolation, which can convert RS-232 signal into current signal to extend the communication distance of serial port RS-232 to 2km.

Model 232D/9 obtains power from TXD, RTS and DTR signals of RS-232 port and need no external power supply. Serial ports are equipped with 600w surge protection and 15KV electrostatic protection, which could effectively prevent device from being damaged. Comparing with other extending technologies, this one is one of the best solutions of extending RS-232 distance because of its long-distance transmission, stable performance, strong anti-interference ability and photoelectric isolation effect.

The design of Model 232D/9 complies with the requirements of industrial standard. It could be widely used in application areas like electric power system, industrial automation control, RS-232 remote control system and SPC switch charging terminal, etc.

Specification

Serial Port	Standard: EIA RS-232C RS-232 signal (7-wire): RXD, TXD, RTS, CTS, DTR, DSR, GND, 5-wire (RXD, TXD, RTS, CTS, GND) and 3-wire (RXD, TXD, GND)could be customized Interface type: RS-232 serial port adopts DB9 Female (DB9 Male is customizable). Extension cord end (Wire) is DB9 Male. Baud rate: 300 ~ 115200bps, detect serial port signal rate automatically Transmission distance: 2km (9600bps) Interface protection: 600W surge protection, 15kV electrostatic protection Photoelectric isolation: 2500V
Power Requirement	Need no external power supply; Obtain power from TXD, RTS, DTR signals of RS-232 serial port
Power Consumption	Static power consumption: ≤10mA Dynamic power consumption: ≤40mA
Environmental Limit	Operating temperature: -40~80℃ Storage temperature: -40~85℃ Relative humidity: 5% ~ 95%(no condensation)

Physical Characteristic	Housing: plastic Dimension (W x H x D): 72mm×33mm×16.5mm Weight: 30g
Certification	CE, FCC, RoHS
Warranty	3 years



Ordering Information

Available Models	RS-232 DB9 Female	RS-232 (extension end) DB9 Male	RS-232 Signal
MODEL232D/9	1	1	7-wire. 3-wire and 5-wire are customizable



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