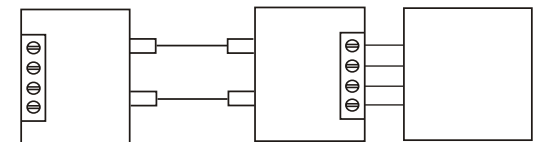
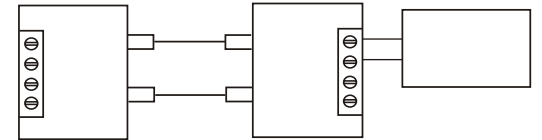


三、连接器和信号



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UT-277R

High-Speed RS-232/RS-485/RS-422

Fiber Optic Modem

User Manual

I. Summary

Being a multi-function fiber modem in support of asynchronous RS-232, RS-485 and RS-422 communication interface, UT-277R is the best choice for the connection from remote terminal unit (RTU) to host or Supervisory Control and Data Acquisition (SCADA). It supports multiple asynchronous communication protocols including RS-232, RS-485 and RS-422, and it also supports a combination of two of the RS-232, RS-485 or RS-422 interfaces as well as both of the working modes. Two-line (half-duplex) RS-485 and four-line (full duplex) RS-422. The ability to support RS-485 mode for data TXD or SD sending control greatly improves compatibility with various kinds of software besides a sharp simplification of control method. Various kinds of fiber connections between asynchronous serial interfaces are supported by UT-277R fiber modem. Both half duplex and full duplex communications through fiber between two asynchronous interface devices are supported with communication distance as far as 4 kilometers for multi-mode and 20 kilometers for single-mode. The transmission rate for RS-232 can reach a maximum of 5.2Kbps, while for RS-485/RS-422 a maximum of 10Kbps can be achieved. Interfaces of different electric standards can be mixed use with nice EMI performance, e.g. RS-232 devices can be connected RS-485/RS-422 devices, and the interface converter or photoelectric isolation can be replaced from RS-232 to RS-485.

Two data signal transmissions are supported by UT-277R: data sending and data receiving at the same time. Automatic control circuit is also provided for RS-485/RS-422 data transmission. Zero delay for control time is achieved. ST/SC/Fiber interfaces are used for fiber connection.

II. Performance parameters

III. Connector and signal

IV. Fiber connection

V. Signal and power indicators

TXD: indicating data sending from fiber interface.

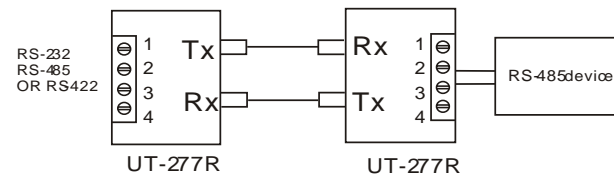
RXD: indicating data receiving by fiber interface.

PWR: power indicator

FAULT: always-0 means fiber fault

VI. Application and connection sketch

1. Point-to-point half duplex



2. Point-to-point full duplex

