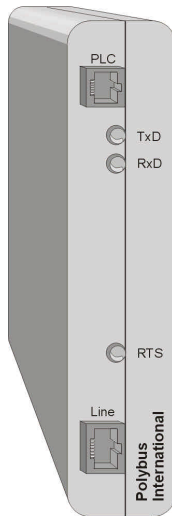


## RTU8195-m

S5-95U Modem package



### Features

- Current Loop to Bell202 1200 baud full duplex operation or CCITT v.23.
- An easy plug and play PLC-based RTU when packaged with the Siemens S5-95U PLC.
- LED indicators for RTS, TxD and RxD.
- RTU Configuration/Verification software included.
- EPROM containing MODBUS protocol.
- Molded plastic enclosure with DIN rail mounts

The RTU8195 Current Loop to Bell202 Modem provides the Siemens S5-95U PLC communication with a variety of SCADA and Host CPU systems via radio, leaseline, audio or general EIA232 interfaces.

The RTU Configuration/Verification software includes a MODBUS poller that supports MODBUS functions 1 through 7, 15 and 16, and a configuration package for the RTU and Its I/O. RTU configuration includes: RTU station ID, communication media type, RTU baud rate and RTS delay. I/O configuration allows you to modify, add, delete or insert I/O. The RTI8171 mates directly to the communication port of the Siemens S5-95U PLC via the CDR1512 cable.

### Specifications

#### Hardware

Power: Through S7-214 comm. cable

#### Transmitter

RTS Delay: 25mS min. key-up  
key-down adjustable to 30S

Key Generation: Optocoupler open collector  
TTL compatible.

Constant carrier: Continuous carrier in 4 wire mode.

Modulator: Phase coherent FSK.

Frequencies: Bell202 1200 CCITT 600

Mark 1200 1300

Space 2200 1700

Output Level: Adjustable, 0 to -40db.

Filter: Low pass Fc=3300Hz.

Impedance: 600 Ohms.

Operation modes: 2 wire or 4 wire.

Transformer: Audio BW=.3-3.0kHz  
600Ohms.

Secondary: Capacitor coupled/gas  
tube protected.

#### Receiver

Impedance: 600 Ohms.

Input Buffer: Diode limited, capacitor  
coupled

Secondary: Capacitor coupled/gas  
tube protected.

Sensitivity: -34dB @ 600 Ohms min.

Demodulator: Automatic Gain Control.  
Low Pass Filter.

Group Delay Equalization.

Carrier Detection: On/Off/On delay 25mS  
2.5dB Hysteresis, CD  
signal.

Bias Adjustment: Continuously adjustable  
for optimal symmetry.

#### LED Indicators:

RxD Active: Green

RTS Active: Red

TxD Active: Yellow

Dimensions: H6.40" x W1.40" x D3.75"

#### Connectors:

J1: RJ45

J2: RJ12

Mounting: C, U and G shaped DIN rail

Operating Temp: 0 to 70 degrees C

Storage Temp: -30 to 85 degrees C

### Ordering Information

RTU8195-m S5-95U Modem package, includes  
modem, CDR1512 cable, EPROM  
and software.