RightWON Plus PSTN 2 kV isolated, surge protected modem

Description

The public switched telephone network (PSTN) modem communication module (RWM020000) can be installed the RightWON Plus. It provides the RightWON unit with a dial-up telephone line connection for communication with users and remote management of the site (SCADA system, telephone line user or Ethernet provider). This modem offers 2000 V rms isolation and can be operated at temperatures ranging from -40 °C to +70 °C.

Characteristics

The modem has the following characteristics:

General Features

- **Telecom approvals**: more than 50 countries
- **Data rate options**: V.92/56K, V.34/33.6K, V.32bis/14.4K and V.22bis/2400 bps
- **Data compression**: V.44 and V.42bis
- **Error correction**: V.42
- **Line status detection**: Intelligent DAA technology
- **Bit mode**: 10 or 11-bit mode
- **Architecture**: MultiTech Socket modem technology (www.multitech.com), with worldwide approvals (MultiTech Model MT9234SMI-HV-92)
- **Connector**: RJ-11 female
- **Isolation**: 2000 V rms
- **High-voltage surge protection**: IEC 61000-4-5 compliant (ITU, surge 10/700 µs, 2 kV and 4 kV).

Environment

- **Operating temperature**:   -40 °C to +70 °C
- **Relative humidity**:   5% to 95%, non-condensing

Modem configuration

For the modem configuration in a RightWON Plus, refer to the following topics in document *RWM000010-MA-en, RightWON Configuration Suite – Manual*:

1. Refer to the hardware configuration topic.

2. Refer to the network configuration topic.

   For a description of the AT instruction sets for the PPP options, refer to the document *RWM000094-MA-en, RightWON PSTN Modem - AT Commands Manual*.

3. Refer to binding modem registers to variables topic to access the registers in a PLC IEC 61131-3 program.

RJ-11 pin assignment

Connect the telephone line to the RJ-11 connector on the PSTN modem using an RJ-11 cable with the following pin assignment:

Pin number	Assignment	Color
1	Unused	
2	Unused	
3	Ring	Blue/White or Red
4	Tip	White/Blue or Green
5	Unused	
6	Unused	

Ordering information

RWM030000 – RightWON Plus PSTN Modem