

1.0

General

1.1

Introduction

The 1MRS119000 modem board is a multifunctional plug-in modem board which can be used together with several distribution automation products of ABB Transmit Oy. Via the local public telephone network or leased lines the modem provides data communication at up to 14400 bps. Furthermore, the modem can be connected to several types of radios for communication via a radio-operated network.

This optional modem board is used for communication between a remotely controlled unit or a protection relay and a host computer. It is only delivered as part of such systems. The modem board takes care of the data communication from station-level equipment to the host computer via a public telephone network, leased lines or a conventional radio network.

The modem is designed according to the following international ITU-T recommendations for data signalling rates up to 14400 bps:

ITU-T V.21	300 bps
ITU-T V.22	1200 bps
ITU-T V.22bis	2400 bps
ITU-T V.23	1200/75 bps
ITU-T V.32	4800/9600 bps
ITU-T V.32bis	14400 bps

The line interface fulfils the NET 4 (ETS 300 001, second edition, April 1994) specification for the agreed countries: "Attachments to Public Switched Telephone Network (PSTN); General technical requirements for equipment connected to an analog subscriber interface in the PSTN".

The AT command set is used for configuration of both the telephone modem and the radio modem. Configuration is done via the RS 232 serial interface with help of a PC/ Terminal (DTE).

The remote configuration of the modem offers users network management capabilities. The user can configure the modem at remote sites from local modems, without having to visit the local stations or rely on the service personnel to follow instructions.

