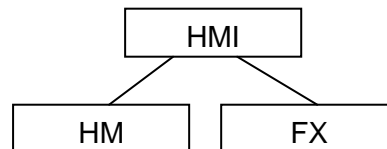


Tixi Alarm Modem + E-Terminal with Mitsubishi FX

QI-TAMHMI-EN, V1.3
May 04, 2009

1 Application examples

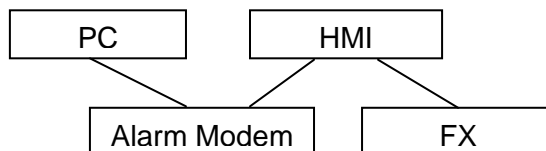
Tixi Alarm Modem at HMI with FX, e.g.:



This is a special setup for using the Alarm function of the Tixi Alarm Modems. The HMI has to be set to “transparent mode” (not paththrough mode!).

2 Setup recommendations (tested):

2.1 Alarm modem local transparent access (direct access)



PC connected to Tixi Alarm Modem COM1:

GX Developer setting: 9600/8N1

E-Designer Setting: Serial transfer 9600/8N1

HMI Port 1 connected to Tixi Alarm Modem COM2 (9600/8N1):

FX connected to HMI Port 2

FX serial port setting: 9600/7E1

TILA2-Settings:

Connection: “PLC – local at the Alarm Modem”

PLC:

COM-Port: COM2

Baudrate: 9600

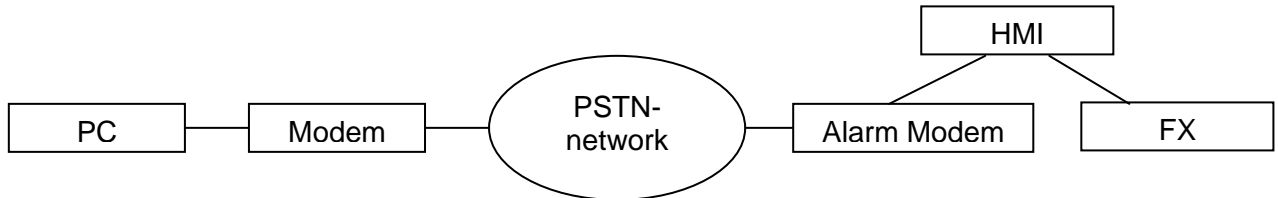
Data Bits/Parity/Stop Bits: 8N1

Handshake: none

Access to HMI: not possible, Tixi Alarm Modem currently does not support COM Break.

Access to FX: possible ! (GX IEC Developer)

2.2 Alarm modem remote transparent access (direct access)



Local side:

Modem:

Tixi HSM

GX Developer setting: 9600/8N1

E-Designer Setting: Modem transfer 9600/8N1

Remote side:

HMI Port 1 connected to Tixi Alarm Modem (9600/8N1) COM1 or COM2

FX connected to HMI Port 2

FX serial port setting: 9600/7E1

TILA2-Settings:

Connection: "PLC - via telephone line"

AT init: empty

PLC:

COM-Port: COM1 or COM2

Baudrate: 9600

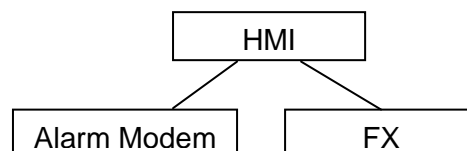
Data Bits/Parity/Stop Bits: 8N1

Handshake: none

Access to HMI: not possible, Tixi Alarm Modem currently does not support COM Break.

Access to FX: possible !

2.3 Alarm modem FX variable access (HMI transparent mode, direct access)



HMI Port 1 connected to Tixi Alarm Modem (9600/8N1 !!!) COM1 or COM2:

FX connected to HMI Port 2

FX serial port setting: 9600/7E1

The Tixi Alarm Modem is able to query FX variables through the HMI "transparent mode". Both, HMI and TAM, are able to query variables at the same time!