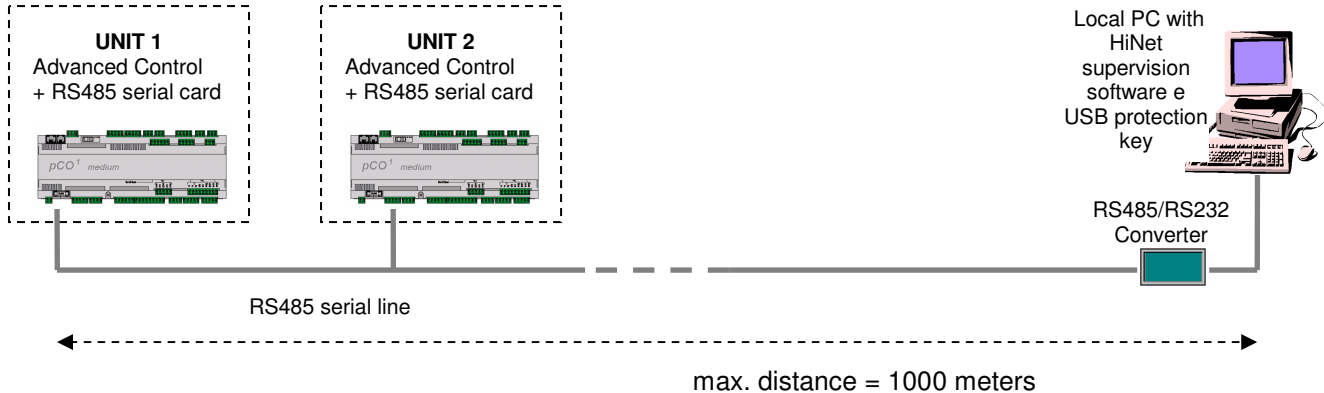




**HIREF CONNECTIVITY**

# HIREF CONNECTIVITY

## 1) LOCAL SUPERVISION – RS485 serial line



### *Software requirements :*

- HiNet

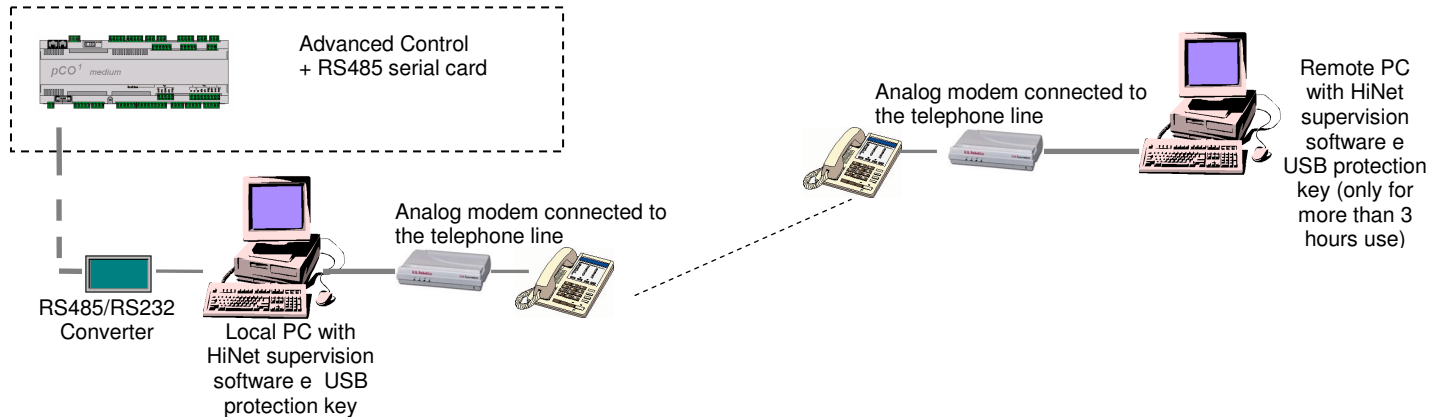
### *Hardware requirements:*

- Local supervision PC
- USB protection key for HiNet software
- RS485 serial card (one for each unit)
- RS485/RS232 converter
- Connecting cable with 2 wires plus shield AWG20/22. (suggested cable: Belden cod. 8761)

### *Functions:*

- A complete local supervising system (see par. [Function of Supervising Software HiNet](#))

## 2) REMOTE SUPERVISION – By analog telephone line (with analog modem)



### *Software requirements :*

- HiNet

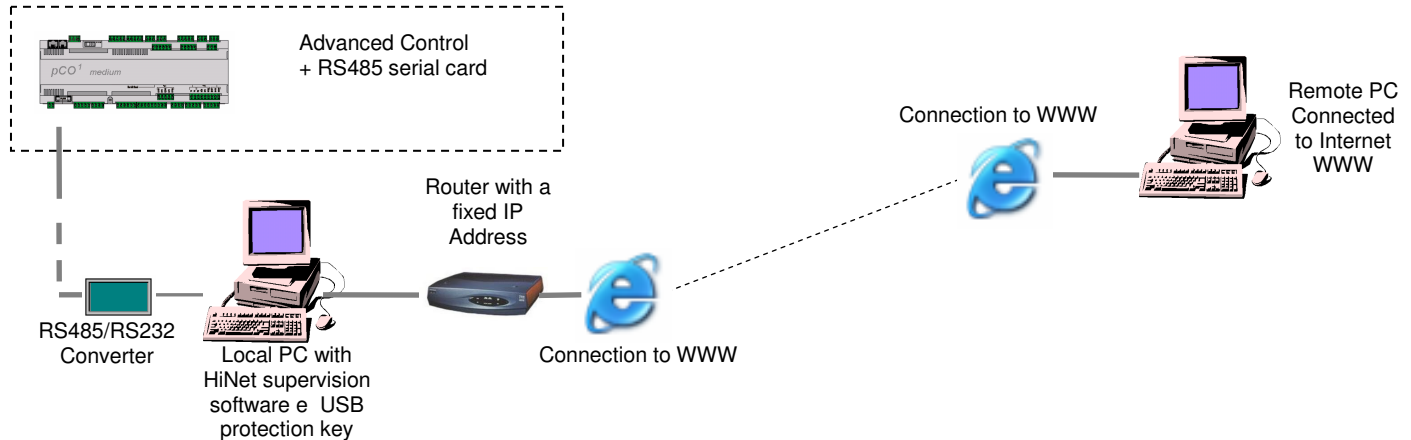
### *Hardware requirements:*

- Local supervision PC
- Remote supervision PC
- USB protection key for HiNet software in the local PC
- USB protection key for HiNet software in the remote PC (only for more than 3 hours use)
- RS485 serial card (one for each unit)
- RS485/RS232 converter
- Analog modem connected to the telephone line in the local PC -
- Analog modem connected to the telephone line in the remote PC -

### *Functions:*

- A complete local and remote supervising system (see par. [Function of Supervising Software HiNet](#))

### 3) REMOTE SUPERVISION – By Internet WWW connection (with local PC)



#### *Software requirements :*

- HiNet

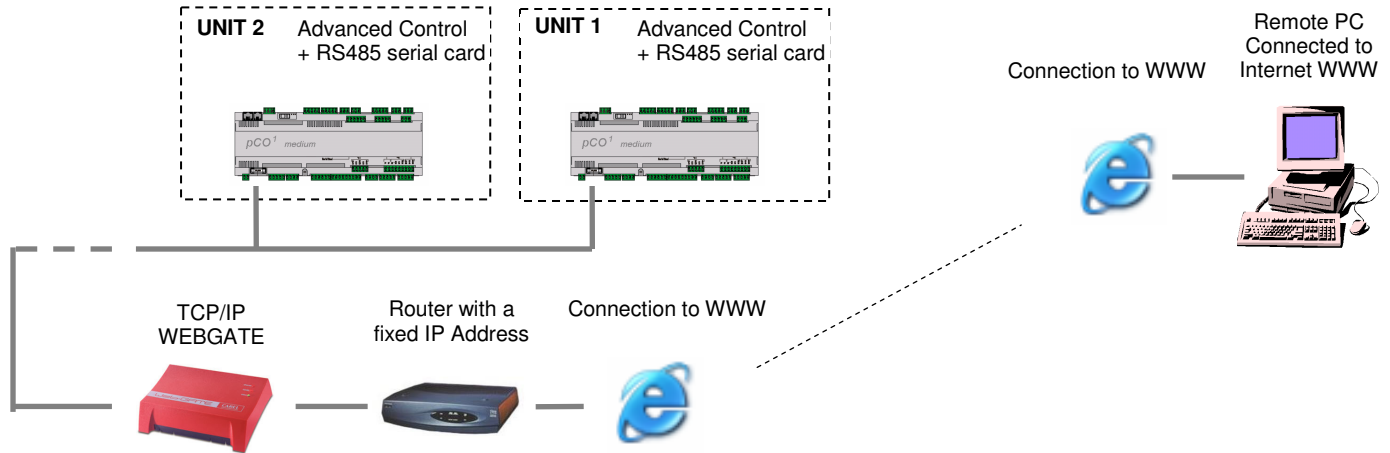
#### *Hardware requirements:*

- Local supervision PC
- Remote supervision PC
- USB protection key for HiNet software in the local PC
- RS485 serial card (one for each unit)
- RS485/RS232 converter
- Router connected to the Internet WWW with a fixed IP Address -

#### *Functions:*

- A complete local and remote supervising system (see par. [Function of Supervising Software HiNet](#))

#### 4) REMOTE CONNECTION – By Internet WWW connection (with WEBGATE)



*Software requirements :*

- HiWeb for Webgate

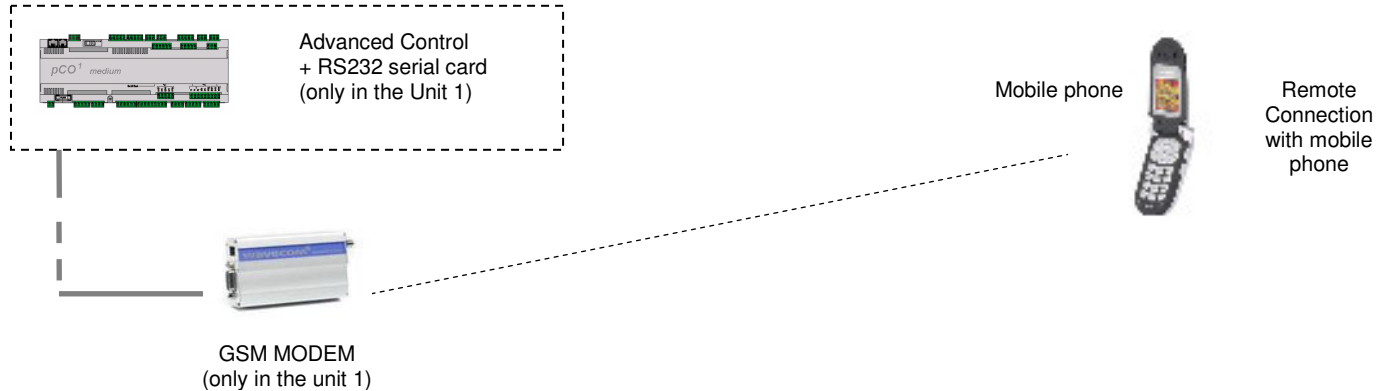
*Hardware requirements:*

- TCP/IP WEBGATE
- RS485 serial card (one for each unit)

*Functions:*

- Reading the status of the units
- Modification of the parameter of the units

## 5) REMOTE CONNECTION – By GSM Modem



### *Hardware requirements:*

- GSM MODEM (antenna included)
- RS232 serial card (only in the unit 1)
- SIM card with data transfer access (and PIN request disabled) -
- Mobile phone

### *Functions:*

- Receiving Alarm message via SMS
- Sending modification of parameters via SMS

## Function of Supervising Software HiNet

- centralized management on the PC of the units parameters, for both display and modification;
- scheduling of the actions to be performed in the event of alarms and according to set time bands;
- logging of the temperature, humidity and pressure values and any alarms.

## Local or Remote personal computer's requirements:

### *Hardware requirements:*

Processor: Pentium III

Ram: 64Mb

Hard Disk: 2Gb free

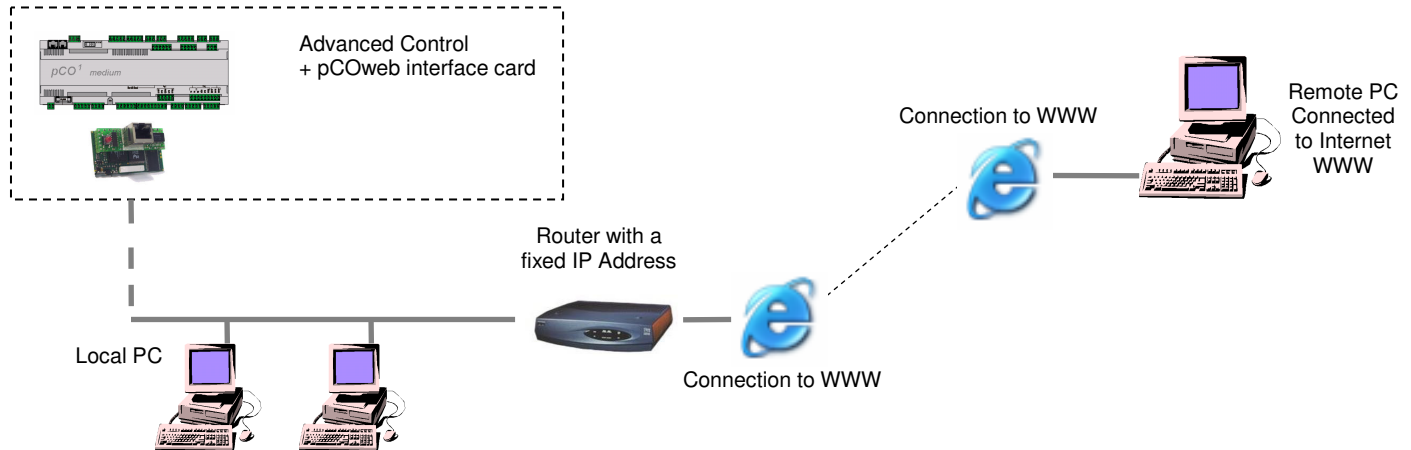
Communication port: 1 serial port.

### *Software requirements :*

Operating System: Microsoft Windows 98, Microsoft Windows NT 4.0 (Workstation), Windows 2000 Professional, Windows XP

Browser: Internet Explorer 5.0 or higher

## 6) pCOWeb Interface card for BACnet/SNMP with Ethernet RJ45 connection



### **a) Complete Hiref solution**

*Software requirements :*

- HiWeb for pCOWeb

*Hardware requirements:*

- pCOWeb interface card

*Functions:*

- Reading the status of the units
- Modification of the parameter of the units
- Data logging of a maximum of 10 variables and download of the data via FTP
- Sending of an email in case of alarms using an external mail server

## **b) Only hardware**

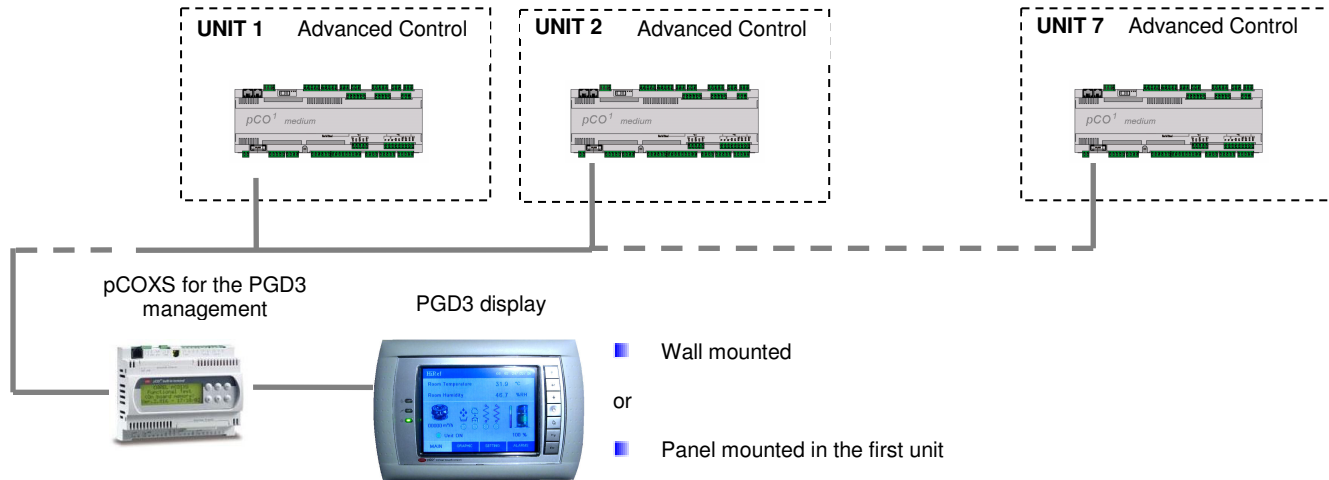
*Hardware requirements:*

- pCOweb interface card

*Functions:*

- BACnet protocol converter
- SNMP protocol converter
- Data logging of a maximum of 10 variables and download of the data via FTP
- Sending of an email in case of alarms using an external mail server

## 7) pGD3 Graphical Touch screen color display



### *Software requirements :*

- Software for PGD3

### *Hardware requirements:*

- PGD3 graphic
- pCOXS incl. clock card for PGD3 management

### *Functions:*

- Reading the status of the units connected
- Modification of the parameter of the units
- Reading the status and the description of the alarms of the units
- Viewing the graphic of the temperature and of the humidity of the units connected