EY-modulo Tender Specification

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EY-WS505F010 moduWeb Vision

Area of application
Web server software for using with EY-WS500F005, moduWeb500 hardware. moduWeb Vision enables visualisation and several automation devices to be operated in one BACnet/IP network using a modern standard web browser, and forwards alarms by e-mail or text message.

Performance features

Operation
- Implemented using current HTML5, CSS3 and JavaScript technologies
- Standard user interface for desktop PCs.
- Optimised menu navigation and operating components when using touch panel (1).
- Extended interface design for several different monitor resolutions (1).
- Kiosk mode for optimised usage of touch panel together with SAUTER's Facility Touch Client software solution (1,2).

Structured system view
- The hierarchical structure of the system is displayed in the form of a tree
- The individual system sections are opened via the navigation tree
- The following can be shown in one system section:
  - Dynamic plant schematics
  - Data point lists (BACnet objects)
  - Subordinate system sections
  - Time programmes and special-day calendars
  - Diagrams
  - Text documents
  - Websites

Historical data
- Implemented recording methods:
  - Settable, fixed recording intervals (polling)
  - Recording changes in values (BACnet COV notification)
- Historical data displayed in a single diagram with up to six data series
- Time range can be adjusted and zoomed in
- Historical data is permanently stored on an internal SD card
- Data is saved in the memory uncompressed
- For fast data transfer, data is compressed before transferring to the web client
- Recorded data is exported as text files (CSV)
Visualising alarms

- Alarms and faults are shown as intuitive symbols in:
  - Dynamic images
  - Data point lists
  - Alarm lists
- The symbols visualise:
  - the standard/alarm/fault statuses
  - the required acknowledgement
The alarm lists can be shown as:
- flat event lists
- grouped lists summarising all the events of an object

The alarm lists can be sorted and filtered containing the following information:
- Time stamp
- Priority of the event
- Type of event
- Acknowledgement status
- Name and long text of the triggered object
- Message text (BACnet message text)

**Alarm notification**
- Alarms and faults can be sent by e-mail or text message
- Text messages are possible via an e-mail-to-text message gateway without additional hardware
- Alarm notification can be set up according to priority, system, user and system section.
- Notification texts can be configured for each user using the web interface
- Malfunctions to the moduWeb Vision itself are reported in the same way as any other malfunction.
- In the event of a connection fault to the mail server, messages are stored in an intermediate memory.

**Time programmes**
- Graphical user interfaces for operating the time programme (BACnet schedule) and special-day calendar (BACnet calendar) of the connected automation stations.
- Graphical display of time programmes
- Summary of the weekly programmes and the special-day programmes in a common view.
- Help for using time programmes
- Copying from time programmes and special-day calendars

**Time function**
- moduWeb Vision can relate to the system time of an NTP time server
- The time from moduWeb Vision can be synchronised with a BACnet time master.
- As BACnet time master, the moduWeb Vision can synchronise the time from other BACnet devices.

**Backup**
- Settings and operating data can be saved or restored:
  - on USB mass storage
  - by web interface
  - using CASE Suite

**Technical data**
Number of BACnet objects that can be displayed: 800
Number of historical data points: 450
Size of historical database depends on SD card
Number of dynamic images: 75
Number of user accounts: 25
Number of simultaneous user sessions: 20
Number of automation stations: 50

**Protocols**

Automation levels: BACnet/IP, Protocol version 10
Web access: HTTP, HTTPS
Sending e-mails and text messages: SMTP
Time synchronisation: NTP or BACnet
Sending Reports as .csv file: (S)FTP or SMTP

**Options**

- (1) Extending the operating options with EY-WS506F100.
- (2) Facility Touch Client software package for Windows 7 or higher, EY-TC505F110.
- Extension with EY-WS505F011 to the same specification as EY-WS505F020.