EY-modulo Tender Specification
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EY-WS505F020 moduWeb Vision

Usage
Web server software for using with
EY-WS500F005, moduWeb500 hardware.
moduWeb Vision enables visualisation and
several automation devices to be operat-
ed in one BACnet/IP network using a mod-
ern 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 operat-
  ing components when using touch pan-
  el[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 solu-
  tion[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 system schematics
    – Data point lists (BACnet ob-
      jects)
    – Subordinate system sections
    – Time programmes and special-day
      calendars
    – Diagrams
    – Text documents
    – Websites

Historical data
– Implemented recording methods:
    – Settable 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 uncom-
  pressed
– For fast data transfer, data is com-
  pressed before transferring to the
  web client
– Recorded data is exported as text
  files (CSV)

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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 special-day programmes in a common view.
– Help for using time programmes
– Copying from time programmes and special-day calendars
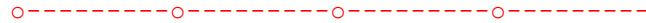
Time function
– moduWeb Vision can relate to the system time of an NTP time server

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- The time from moduWeb Vision can be
  synchronised with a BACnet time mas-
  ter.
- 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

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Technical data

Number of BACnet objects that can be displayed	2500
Number of historical data points	450
Size of historical database	depends on SD card
Number of dynamic images	250
Number of user accounts	100
Number of simultaneous user sessions	20
Number of automation stations (v. >= 1.8)	150

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.

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