

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

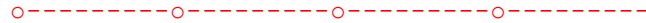
- Implemented using current HTML5, CSS3 and JavaScript technologies
- Standard user interface for desktop PCs.
- Optimised menu navigation and operating components when using touch panel⁽¹⁾.
- Extended interface design for several different monitor resolutions⁽¹⁾.
- Kiosk mode for optimised usage of 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

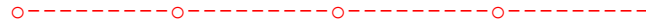
- moduWeb Vision can relate to the system time of an NTP time server
- The time from moduWeb Vision can be synchronised with a BACnet time master.
- As BACnet time master, the moduWeb Vision can synchronise the time from other BACnet devices.

Backup

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

Technical data

EY-modulo Tender Specification



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.	