

NETCON 500 WEBGUI

Graphical user interface for the Netcon 500 outstation

The screenshot displays the Netcon 500 WebGUI interface. The browser address bar shows the URL: `10.1.111.8/commands.php?filter=location&rack=1&slot=3&type=DC&get=Get+`. The page title is "gw502A: Controls".

On the left sidebar, there is a "Gateway" section with the following information:

- Gateway: gw502A
- Karvaanokuja
- 2017-02-17 16:02:55+0200

Below the gateway information, there are several menu items: Realtime I/O, Controls, Test data, Disturbance records, Events, System, Settings, and License. A "Logout" button is located at the bottom of the sidebar.

The main content area is titled "Controls" and features a navigation bar with tabs: Location, Object, Channel, and Favorites. The "Location" tab is active.

Below the navigation bar, there are three dropdown menus: "Rack" (set to 1), "Slot" (set to 3, DO32), and "Data type" (set to Command, double). A "Get signals" button is located to the right of these dropdowns.

The main content area contains a table with two columns: "Signal" and "Command". The table lists 22 rows of data, each representing a different signal and its corresponding command. The first row is highlighted in blue, and the "Open" command is selected.

Signal	Command
NC10.10kV.55N.Q1 :: NC10.10kV.55N.Q1	Open
NC10.10kV.55N.Q2 :: NC10.10kV.55N.Q2	
NC10.10kV.55N.Q3 :: NC10.10kV.55N.Q3	Open
NC10.10kV.55N.Q4 :: NC10.10kV.55N.Q4	Close
NC10.10kV.55N.Q5 :: NC10.10kV.55N.Q5	
NC10.10kV.55N.Q6 :: NC10.10kV.55N.Q6	
NC10.10kV.55N.Q8 :: NC10.10kV.55N.Q8	
NC10.10kV.55N.Q9 :: Reserve 15	
NC10.10kV.55N.Q10 :: Reserve 16	
NC10.10kV.55N.Q11 :: Reserve 17	
NC10.10kV.55N.Q12 :: Reserve 18	
NC10.10kV.55N.Q13 :: Reserve 19	
NC10.10kV.55N.Q14 :: Reserve 20	
NC10.10kV.55N.Q15 :: Reserve 21	
NC10.10kV.55N.Q16 :: Reserve 22	

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FEATURES

Realtime I/O data and measurements

Commands and set points

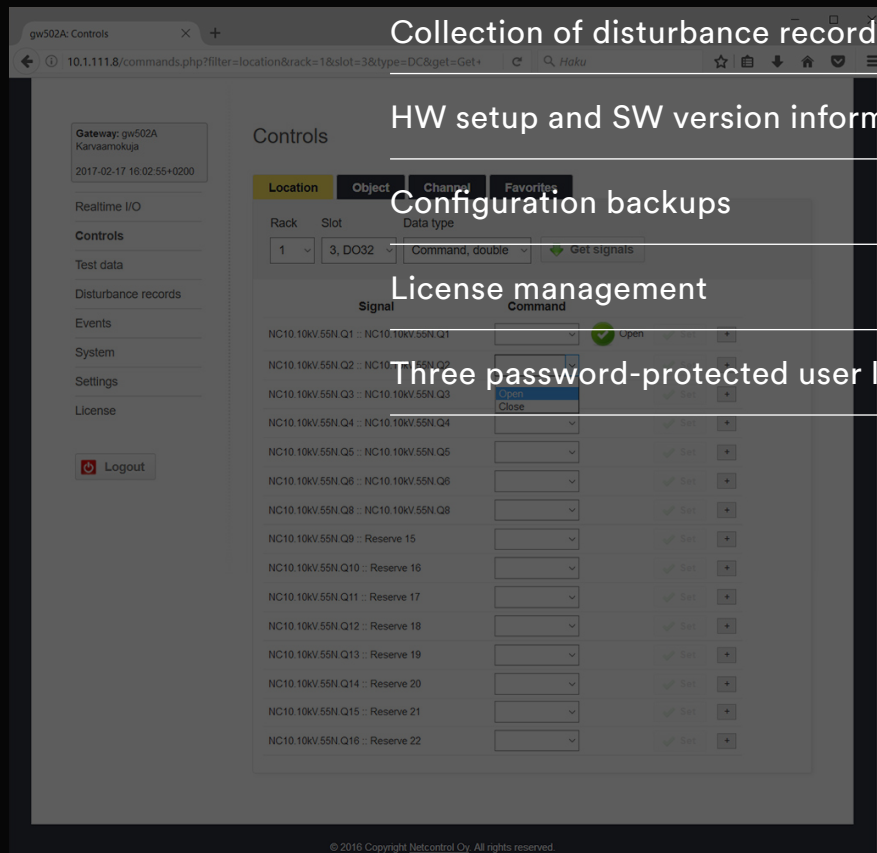
Collection of disturbance records from RTU

HW setup and SW version information

Configuration backups

License management

Three password-protected user levels



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REALTIME VIEW OF PROCESS DATA

The Netcon 500 WebGUI is a web-browser-based graphical user interface for the Netcon 500 RTU. Included in all Netcon 500 and Netcon GW502-iM deliveries, it has three password-protected user levels: user, operator and administrator.

Realtime I/O data and measurements

- WebGUI shows in real time the values of all the indication and measurement signals from the RTU.
- The signals can be filtered either by location, object or channel.
- A user can mark signals as favorites, which will then be listed on a separate favorites tab.

Control commands and set points

- When testing or commissioning the RTU, an operator-level user can change signal states or give temporary values to signals.
- In the controls and test data views, the signals are listed in the same way as in the realtime I/O view.

Events

- WebGUI lists the latest events for process IO points and communication status messages.

DISTURBANCE RECORDS

The Netcon 500 WebGUI provides an interface to transfer disturbance record files easily from the RTU for a user selectable date. When a user has selected a date from a calendar view, WebGUI lists the disturbance record files for that date. The user can then select which files to download from the RTU to their own computer.

RTU SYSTEM INFORMATION

The Netcon 500 WebGUI shows versatile version information for the RTU.

- SW versions for all NFE modules
- SW versions for other than NFE modules (i.e. DRC, IEC 61850-8-1 client)
- IO module firmware information

Admin-level actions

- The settings/management page makes it possible to restart NFE or the entire RTU.
- It is also possible to make back-ups of the device configuration and passwords.

License management

An administrator can also upload a new license file to the RTU, thus gaining access to new protocols or other new functionality.

