

VISONIK®

BPS access protection

Function sheet

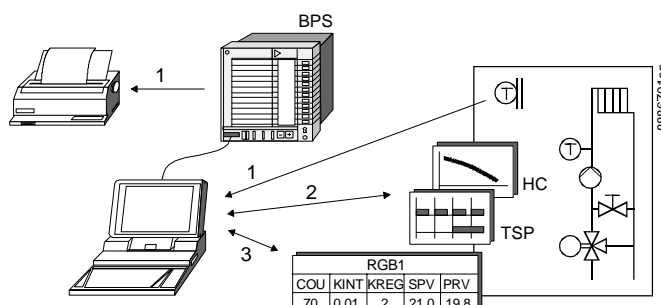


The spectrum of possible operating functions at the automation level is complex and requires different access rights. The VISONIK BPS thus has three access levels which can each be protected with an individual password.

Use

Example

The following illustration uses typical examples to show the use of operating levels and access rights on the VISONIK BPS with PC operation.



The three levels and their access rights

The three operating levels and their access rights listed below are referenced to the above illustration. The lower level immediately following includes the functions of the higher level.

Operating level	Access rights
1	Starting alarm and system reports. Reading process variables such as: Room temperature, outside air temperature, etc.
2	Reading and writing setting parameters such as: Heating curves (HC), time switch program (TSP), etc.
3	Access to all process parameters and setting variables such as those for the controller block (RGB). Access to the programs in the VISONIK BPS.

COLBAS operation or operator program

It is possible to set up PC operation with COLBAS (VISOTOOL Editor) for all three levels: menu-guided PC operation (operator program) is possible for levels 1 and 2. In both cases, the functionality depends on the password entered and the operating level associated with it.

Functions

Access protection and timeout

The VISONIK BPS has two protective mechanisms against unauthorized operation: access protection and access timeout. These are described in the following:

Mechanism	Function and features
Access protection	Access protection prevents unauthorized access to the VISONIK BPS. It is divided into three hierarchical operating levels with corresponding access rights. A password is allocated to each operating level (KEY1 to KEY3). The person responsible for the system sets up access protection.
Access timeout	An access timeout of approx. 60 seconds has been set at the factory to protect the VISONIK BPS from unauthorized access if no logoff has taken place. This becomes active when: <ul style="list-style-type: none">– No operator input has taken place.– The VISONIK BPS has made no output to the operator unit. Once the timeout has elapsed, the VISONIK BPS is only accessible through login with valid password.

Login

The VISONIK BPS can only be operated with active access protection after the following login sequence has been carried out:

Entry	Result
HELLO <CR> KEY: <i>Password</i> <CR>	The VISONIK BPS acknowledges the entry of a valid password with its system number, indication of the operating level, and the date and time. The operator now has access to the functions allocated to the corresponding operating level. After the password has been entered, the menu-guided operating program opens the main menu.

Logoff

If operators want to block access again right away, or if no access timeout has been set up, they must log off with:

Entry	Result
BYE <CR>	Once BYE has been entered, the VISONIK BPS is only accessible again through a login with HELLO and a valid password.

If menu-guided operation is used, logoff is accomplished via the menu command **Q** (for quit) from the main menu.

BPS access behavior

The VISONIK BPS reacts to the following entries with appropriate messages according to the access protection function:

- Incorrect password.
- Operating task busy.
- Access timeout elapsed.
- Access attempt after timeout.
- Unauthorized operation at a particular level.

POP card operation

The POP card sets have been programmed for individual users so that any one set only includes those points to which that particular user should have access.

Additional information

Refer to the following documents for more information on this topic:

Document No.	Title
CM2B8301E	BPS User's Guide
CM2T8567E	VISIONIK System Basics (expert documentation)