

Alarms - Maintenance of exceptional events in the system

Maintenance of exceptional events in the monitored process

In the D2000 system, two types of alarms are implemented - **system** and **process** alarms. System alarms are defined as objects of the Alarm type. These objects are evaluated by a separate client process **D2000 Alarm**, which is the parent of system alarms. Process alarms are not in the system represented as objects. They are defined for measured and calculated points. They arise and disappear depending on the state of the object type. They are evaluated by the process calculation **D2000 Calc** (process alarms of calculated points) or by the process **D2000 KOM** (process alarms of measured points).



From the user's point of view of the process **D2000 HI**, the alarms are divided as follows:

- critical
- non-critical
- blocked

A *system alarm* can be either critical or non-critical depending on its configuration in the process **D2000 CNF**. Transition from critical to non-critical or vice versa in this case is not possible.

With a *process alarm*, a transition between critical and non-critical or vice versa is possible depending on its configuration in the process **D2000 CNF**. Critical and non-critical alarms are, after blocking, moved to the list in the **Blocked alarms** window in the **Alarm list** window.

The occurrence of an alarm is indicated on the process **D2000 HI** work screen by a flashing light icon in the bottom right corner of the window and an acoustic signal (if the acoustic warning is enabled - in the group of parameters **Critical alarms** and **Non-critical alarms** in the **Console settings** (or **User settings**) - parameter **Sound warning on alarm** and **Sound warning on alarm when the alarm list is open**).

| | |
|---|---|
|  | - in the system there is no current alarm |
|  | - in the system there is at least one current alarm |

When you click on the light icon in the bottom right corner of the process **D2000 HI** screen, a dialog window appears, which contains the alarm list. The alarm window can, depending on the configuration, be opened automatically when an alarm occurs in the system - in the group of parameters **Critical alarms** and **Non-critical alarms** in the **Console settings** (or **User settings**) - parameter **Open alarm list when alarm occurs**. This window is described in more detail in the chapter **Displaying active and blocked alarms**.