

## Extension module (Ethernet)

The extension module (Ethernet) offers the option of integrating external sensors and devices into the KentixONE system. Various versions are available:

Designation	Number of sensors	Number of gearshift inputs
KIO7052	8x digital	8x digital
KIO7060	8x digital	8x relay output
KIO7053	16x digital	0
KIO7017	8x analog	4x digital

### General

The basic settings for each device include the activation status (on/off) and a name under which all alarms and warnings reported by this device are displayed. This should be as clearly descriptive as possible in order to distinguish the devices.

By selecting the higher-level alarm group, the device is assigned to the system hierarchy. Alarms are signaled in the higher-level alarm group.

### External sensors (digital)

External sensors such as door sounders or leakage sensors can be integrated into KentixONE via the digital inputs.

An external sensor with an active alarm assignment (not "Off") is displayed as a separate device in the Detail View and therefore also has its own alarm evaluation.

The external sensor is always carried out in the configuration screen of the device to which the sensor is connected.

In the standard configuration, an alarm group cannot be armed if an alarm is pending (so-called forced operation).

If the higher-level alarm group is to be armed even if an alarm is pending for the external sensor, the "Always arm" option must be activated.

Name	API value	Description
From	off	The alarm is deactivated for this input and the status/measured value is not updated.
Sharp-Active	armed-active	If the higher-level alarm group has been armed, alarms can be triggered. The status/measured value of the input is updated.

Name	API value	Description
Permanently active	always-active	Alarms can be triggered independently of the switching status of the alarm group. The status/measured value of the input is updated.
fire	fire	Alarms can always be triggered. These are reported as fire alarms.
Sabotage	sabotage	Alarms can always be triggered. These are reported as sabotage/intrusion alarms.
System message	system	Alarms can always be triggered. These are reported as a system message.
Display only	display-only	No alarm evaluation takes place. The status/measured value is still updated.
Arming and disarming	arm-disarm	The assigned alarm group can be armed and disarmed via the input.
Arming	poor	The assigned alarm group can only be armed via the input.
Disarming	disarm	The assigned alarm group can only be disarmed via the input.

## External sensors (analog)

With an analog sensor, the measurement must also be configured for correct evaluation. To do this, the unit to be measured and the measuring range **elektrisches Minimum/Maximum** (e.g. voltage or current) must be defined and a real equivalent **physikalisches Minimum/Maximum** (e.g. temperature) must be assigned to these values.

Name	API value	Description
From	off	The alarm is deactivated for this input and the status/measured value is not updated.
Sharp-Active	armed-active	If the higher-level alarm group has been armed, alarms can be triggered. The status/measured value of the input is updated.
Permanently active	always-active	Alarms can be triggered independently of the switching status of the alarm group. The status/measured value of the input is updated.
fire	fire	Alarms can always be triggered. These are reported as fire alarms.
Sabotage	sabotage	Alarms can always be triggered. These are reported as sabotage/intrusion alarms.

Name	API value	Description
System message	system	Alarms can always be triggered. These are reported as a system message.
Display only	display-only	No alarm evaluation takes place. The status/measured value is still updated.
Arming and disarming	arm-disarm	The assigned alarm group can be armed and disarmed via the input.
Arming	poor	The assigned alarm group can only be armed via the input.
Disarming	disarm	The assigned alarm group can only be disarmed via the input.

## Switching outputs

The digital switching outputs can be used to control external systems such as sirens, LEDs or locking components (motorized lock, etc.).

The meaning of the alarm assignment differs for switching outputs; in this case, it indicates the function of the switching output or which alarms the output should switch when they occur.

Name	API value	Description
Sharp-Active	armed-active	If an armed-active alarm occurs in the assigned alarm group, the output is switched to high level for the set switching time. An acknowledgement also causes the output to drop back to low level prematurely.
Permanently active	always-active	If a permanently active alarm occurs in the assigned alarm group, the output is switched to high level for the set switching time. An acknowledgement also causes the output to drop back to low level prematurely.
fire	fire	If a fire alarm occurs in the assigned alarm group, the output is switched to high level for the set switching time. An acknowledgement also causes the output to drop back to low level prematurely.
Sabotage	sabotage	If a tamper alarm occurs in the assigned alarm group, the output is switched to high level for the set switching time. An acknowledgement also causes the output to drop back to low level prematurely.

Name	API value	Description
System message	system	Alarms can always be triggered. These are reported as a system message.
Only for external devices and switching outputs		
Collective alarm (group)	collected-alarm	Output is switched to high level as long as an alarm is present in the higher-level alarm group. Acknowledgements have no effect.
Manual	Manually	Currently without function
Open doors signalize	signal-open-doors	Currently without function
Collective alarm armed-active (group)	collected-alarm-armed-active	Output is switched to high level as long as an active alarm is present in the higher-level alarm group.
Collective alarm permanently active (group)	collected-alarm-always-active	Output is switched to high level as long as a permanently active alarm is present in the higher-level alarm group.
Collective fire alarm (group)	collected-alarm-fire	Output is switched to high level as long as a fire alarm is present in the higher-level alarm group.
Collective alarm sabotage (group)	collected-alarm-sabotage	Output is switched to high level as long as a tamper alarm is present in the higher-level alarm group.