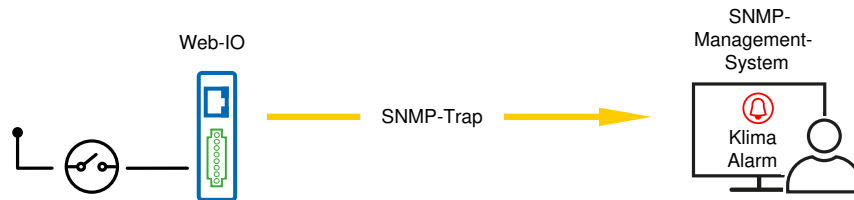


Applications for Web-IO Digital / Industry & data protocols

Potential-free contact triggers SNMP trap



SNMP has established itself especially in medium size and large networks for monitoring and managing the network infrastructure. There are however many components such as HVAC equipment, USPs and leak sensors that are not otherwise compatible with inclusion in SNMP management systems.

The Web-IO Digital lets you bring such devices and equipment into the SNMP management system when all they provide is potential-free contacts for indicating faults and operating states.

When there is a signal change the Web-IO can send an SNMP trap to the management system. In addition the inputs and outputs are represented by the corresponding OIDs. The connected components can also be generally represented in the system.

SNMP also allows switching the outputs, for example to use a warning light for indicating faults.

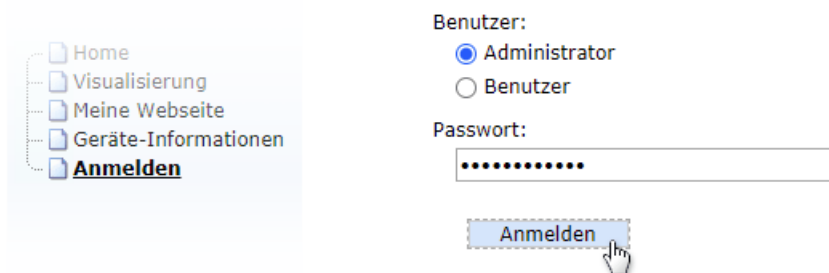
Preparations

- Provide power to the Web-IO and connect the IOs
- Connect the Web-IO to the network
- Assign IP addresses

Configure Web-IOs for sending SNMP traps

For the browser to have access, the Web-IO must already have an [IP address](#).

- To change the configuration of the Web-IO you first need to obtain the necessary access rights by entering the administrator password.



- Finally, check whether all the IP parameters are correctly set. In the menu tree select *Basic settings >> Network* and there *Basic network settings*.

Basic network settings		↑
TCP/IP settings:	IP-Address assignment:	<input type="button" value="i"/>
	<input type="text" value="static"/>	
	IP address:	<input type="button" value="i"/>
	<input type="text" value="192.168.0.25"/>	
	Subnet mask:	
	<input type="text" value="255.255.255.0"/>	
	Gateway:	
	<input type="text" value="192.168.0.1"/>	
DNS settings:	DNS server 1:	<input type="button" value="i"/>
	<input type="text" value="192.168.0.1"/>	<input type="button" value="Q"/>
	DNS server 2:	
	<input type="text" value="8.8.8.8"/>	<input type="button" value="Q"/>

- In the menu tree click on *Actions* and then on the *Add* button.

settings		↑
Action:	<input checked="" type="checkbox"/> active	<input type="button" value="i"/>
Action name:	<input type="text" value="Klima Alarm"/>	<input type="button" value="i"/>
Trigger:	<input type="text" value="Input"/>	<input type="button" value="i"/>
	Input:	<input type="button" value="i"/>
	<input type="text" value="Input 0"/>	
	when changing to:	
	<input type="radio"/> OFF <input checked="" type="radio"/> ON <input type="radio"/> OFF or ON	
Action:	<input type="text" value="SNMP trap"/>	<input type="button" value="i"/>
	SNMP server address:	<input type="button" value="i"/>
	<input type="text" value="192.168.0.254"/>	<input type="button" value="Q"/>
	SNMP server port:	
	<input type="text" value="162"/>	
	SNMP version:	<input type="button" value="i"/>
	<input type="text" value="SNMPv1"/>	
	Trap text:	
	<input type="text" value="<t> - Klima Alarm"/>	
	Clear message - trap text:	
	<input type="text" value="<t> - Klima OK"/>	
	while trigger is present:	<input type="button" value="i"/>
	<input checked="" type="radio"/> Send trap once	
	<input type="radio"/> send trap cyclically	

- Assign a meaningful name for your action and select the *trigger* for sending the trap.
- As the *action* select *SNMP trap* and configure *SNMP Server Address*, *SNMP Server Port* and *Trap Text* (if needed also for the Clear message).
- If needed, cyclical repetition of the trap sending can be enabled. As long as the trigger condition exists, the SNMP trap is re-sent at the specified interval.
- All the configuration changes must be confirmed using the *Apply* button.

As soon as these steps are completed, the outputs on the one Web-IO follow the inputs on the other 1:1. This works in both directions of course.

You don't have a Web-IO yet but would like to try the example out sometime?

No problem: We will be glad to send you a unit at no charge for 30 days. Simply fill out the sample order form and we will ship the Web-IO on open invoice for testing. If you return the device within 30 days, we will cancel the invoice.

[To the Web-IOs](#)

Are you still uncertain which Web-IO is best for your needs?

Our qualified team of engineers will be glad to assist you.
You can reach us by telephone at +49 202/2680-110 or by email at info@wut.de.



[We are available to you in person:](#)

Wiesemann & Theis GmbH
Porschestra. 12
42279 Wuppertal
Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5 p.m.)
Fax: +49 202/2680-265
info@wut.de

© Wiesemann & Theis GmbH, subject to mistakes and changes: Since we can make mistakes, none of our statements should be applied without verification. Please let us know of any errors or misunderstandings you find so that we can become aware of and eliminate them.

[Data Privacy](#)