

Application for Web-IO Digital / Web & E-Mail:

# Send switching signals by e-mail

Faults or operating states in automation, building technology or other technical equipment are often indicated by means of digital outputs. Corresponding sensors often provide potential-free contacts or voltage carrying or current driving outputs for connecting signal lamps or other signal generators.

These are just the sort of signal sources that the Web-IO Digital can communicate with.

When there is a signal change or at a specified interval the Web-IO can send emails.

The existing network is used as the communication channel. An email message can also be sent to multiple recipients.

This lets you ensure that fault reporting signals such as are generated when limits are exceeded for example are also noticed by responsible personnel even if they are present for only a short time.

Existing systems can incorporate the Web-IO Digital to achieve this email function. Even older PLC setups can be easily retrofitted.

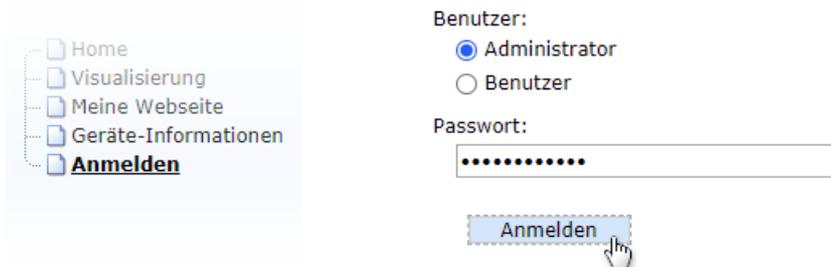
## Preparations

- [Provide power to the Web-IO and connect the IOs](#)
- [Connecting Web-IO to the network](#)
- [Assign IP addresses](#)

## Configuring Web-IOs for sending emails

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.



- First check whether all the IP parameters are correctly configured. Especially when using public mailservers it is important that both the gateway and the DNS server are entered. To do this, in the menu tree select *Basic settings >> Network* and there *Basic network settings*.

**Basic network settings** 

TCP/IP settings: IP-Address assignment:    
   
IP address:    
   
Subnet mask:   
   
Gateway:

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DNS settings:    
DNS server 1:    
   
DNS server 2: 

- All the configuration changes must be confirmed using the *Apply* button.
- To configure the mail server, select in the menu tree *Communication channels >> Mail*.

**Mail settings** 

Mail send:  active 

User name:

Password:

Sender name:

Reply address:

Outgoing mail server (SMTP): 

SMTP port:

Authentication procedure: 

- Enter the access data for your email account.  
**Tip:** Some email providers do not allow as *sender name* the email address belonging to the email account. Other providers require that the *reply address* be the email address belonging to the email account.
- In the menu tree click on *Actions* and then on the *Add* button.

settings	
Action:	<input checked="" type="checkbox"/> active <span style="float: right;">i</span>
Action name:	<input type="text" value="Mail Alarm"/> <span style="float: right;">i</span>
Trigger:	<input type="text" value="Input"/> <span style="float: right;">i</span>
	Input: <input type="text" value="Input 0"/> <span style="float: right;">i</span>
	when changing to: <input type="radio"/> OFF <input checked="" type="radio"/> ON <input type="radio"/> OFF or ON
Action:	<input type="text" value="Email message"/> <span style="float: right;">i</span>
	Recipient Email address: <input type="text" value="support@company-xy.com"/> <span style="float: right;">i</span>
	Subject: <input type="text" value="ERROR CNC2"/>
	Mail text: <input type="text" value="&lt;t&gt; - Feeder empty"/>
	Clear message - subject: <input type="text" value="ERROR clear CNC2"/>
	Clear message - Mail text: <input type="text" value="&lt;t&gt; - Restart system"/>
	while trigger is present: <span style="float: right;">i</span> <input checked="" type="radio"/> Send mail once <input type="radio"/> send email cyclically

- Assign a meaningful name for your action and select the *trigger* for sending email.
- As the *action* select *Email message* and configure *recipient*, *subject* and *mail text* (if needed also for the Clear message).
- Multiple email recipients can be entered one after the other separated by semicolons.
- When needed you can enable cyclical repetition of the email. As long as the trigger condition exists the email is re-sent at the specified interval.

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](mailto:info@wut.de).



We are available to you in person:

Wiesemann & Theis GmbH  
Porschestr. 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](mailto:info@wut.de)

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