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DEX3000 Smart Link configuration

On DEX3000 air handling units, it is possible to freely configure a digital input and output for functions other than those set at the factory.
This is done by clicking on the relevant links for the function you want, and DEX3000 will then be configured automatically without having to change the settings in the web server.
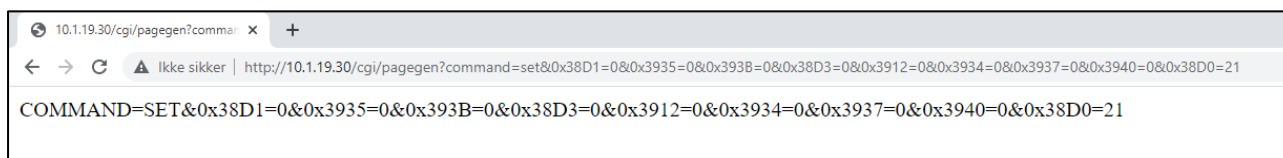
The factory default setting for functions is:

Digital input	Digital output (potential-free relay)
Fire alarm (setpoint)	A alarm

If you want to use other functions, proceed as follows.

1. EXcon must be set to IP address 192,168.1.1 (default factory).

2. Check that there is a connection to the web server by opening it in a browser.
   You only need to check that EXcon web servers open and you do not need to log in, as this is not relevant for Smart Link configuration.
   (If it is not possible to access the web server via IP address 192.168.1.1, e.g. due to setup in the PC, you can manually change the IP address in the opened link. See end of manual.)

3. Now press the link next to the function in the table for which you want to use the digital input and output respectively.

4. When the EXcon web server has received and made the change, a new window will open in the default browser.
   Example:

Press the link next to the function you want to connect to the digital input.

Link to option for digital input	Description
AHU STOP	Open input stops the unit immediately. Functions as an emergency stop! (NC function*) The unit stops with B alarm **4: External stop activated**
LOW SPEED	Activated input overrides the unit to settings for Low Speed (NO function*)
MEDIUM SPEED	Activated input overrides the unit to Medium Speed settings (NO function*)

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FROST ALARM	Open input stops the unit with **A alarm 180: Frost alarm outdoor air**. (NC function*) NB! Works only with water heating coil or combi-coil.
OPERATION FROM BMS	Activated input enables control of operating mode via BMS *^{1} (NO function*)
EXTERNAL START	Open input blocks the start of the unit (NC function*) The input can be inverted by selecting **the External rotary switch** under **the Installer** tab.
EXTERNAL RESET OF ALARMS	Activated input resets alarms in EXcon (NO function*)
FIRE ALARM (SETPOINT) default setting	Open input activates fire alarm and operation in accordance with settings under Installer ⇨ Fire (NC function*). Trigger A alarm 1: **Fire alarm**

* NO function: When a signal is received at the input = 1, the function is activated.
  NC function: If the signal is removed from the input = 0, the function is activated.

*^{1} BMSmode allows switching between 5 via Modbus Holding Register or BACnet Analogue Value predefined modes:

 • *Modbus Holding Register: 4x0500*
 • *BACnet Analogue Value: 244*
   o *11 BMS stop*
   o *105 BMS low speed/setpoint*
   o   *414 BMS medium speed/setpoint*
   o   *210 BMS high speed/setpoint*
   o   *211 BMS summer night cooling*
   o   *220 BMS night heating (Recirculation)*

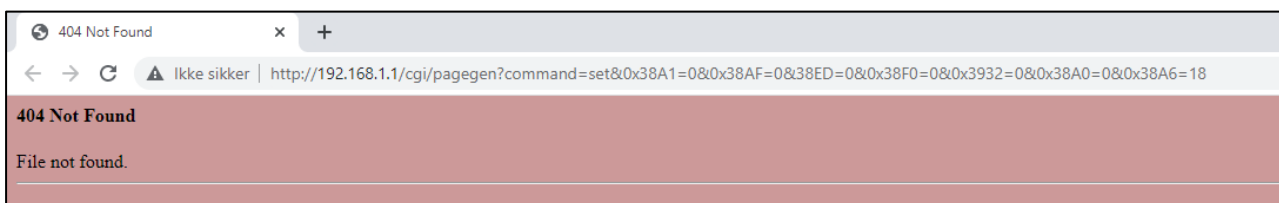Press the link next to the function you want to assign to the digital output.

Link to option for digital output	Description
OPERATION SIGNAL	Relay is activated when the system is in operation.
B ALARM	Relay is activated when a B alarm is active.
FIRE ALARM	Relay is activated when internal fire alarm is triggered. **A alarm 3: Internal fire alarm**
ALARM RESET	Relay is activated for 10 sec. if alarms are reset via WEB, HMI or BMS.
SUMMER OPERATION	If "Summer/Winter" changeover is configured, the relay will be activated during summer operation
SUMMER NIGHT COOLING	Relay is activated when summer night cooling is starting
A ALARM default setting	Relay is activated when an A alarm is active.

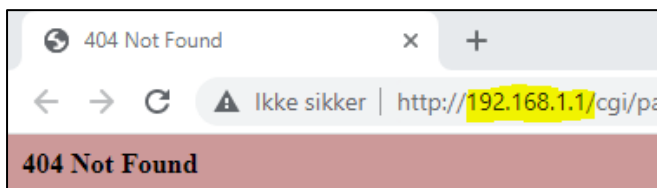**EXHAUSTO**

Configuration with alternative IP address

If it is not possible to EXcon via default IP address 192,168.1.1, it is still possible to use Smart Link configuration by changing the IP address in URL manually.
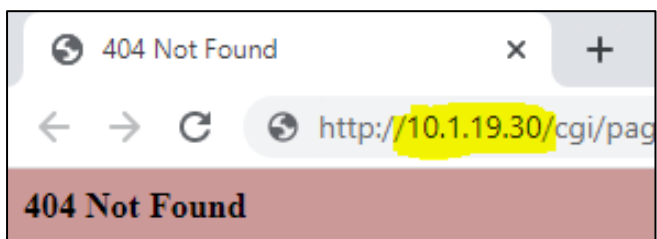To do so, proceed as follows:

1. Press the link to the desired function.

2. As IP address 192,168.1.1 is not associated with an EXcon controller, the following window opens in the browser:

3. The IP address 192,168.1.1 can only be located in the configuration link.
    This can now be changed manually to the desired IP address with which the EXcon web server can be accessed:

 Default IP address

 As an example, here it has been changed to 10.1.19.30

4. Now press ENTER and the link will configure the EXcon controller associated with the new IP address: