

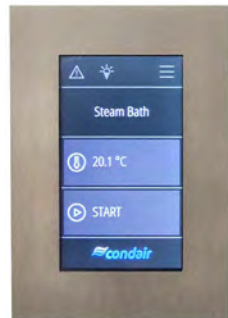
News

Basel, May 2020

+++ Save energy with Keep warm function and external button! +++

Dear partners,

Today we would like to show you how to connect a LED Push-Button correctly to an Omega/Delta Spa or AT4D and configure this in the menu of the display.



You will find the necessary information and detailed instructions in the attachment to this e-mail.

Please do not hesitate to contact me if you have further questions.

Best regards

Dennis Güttrich

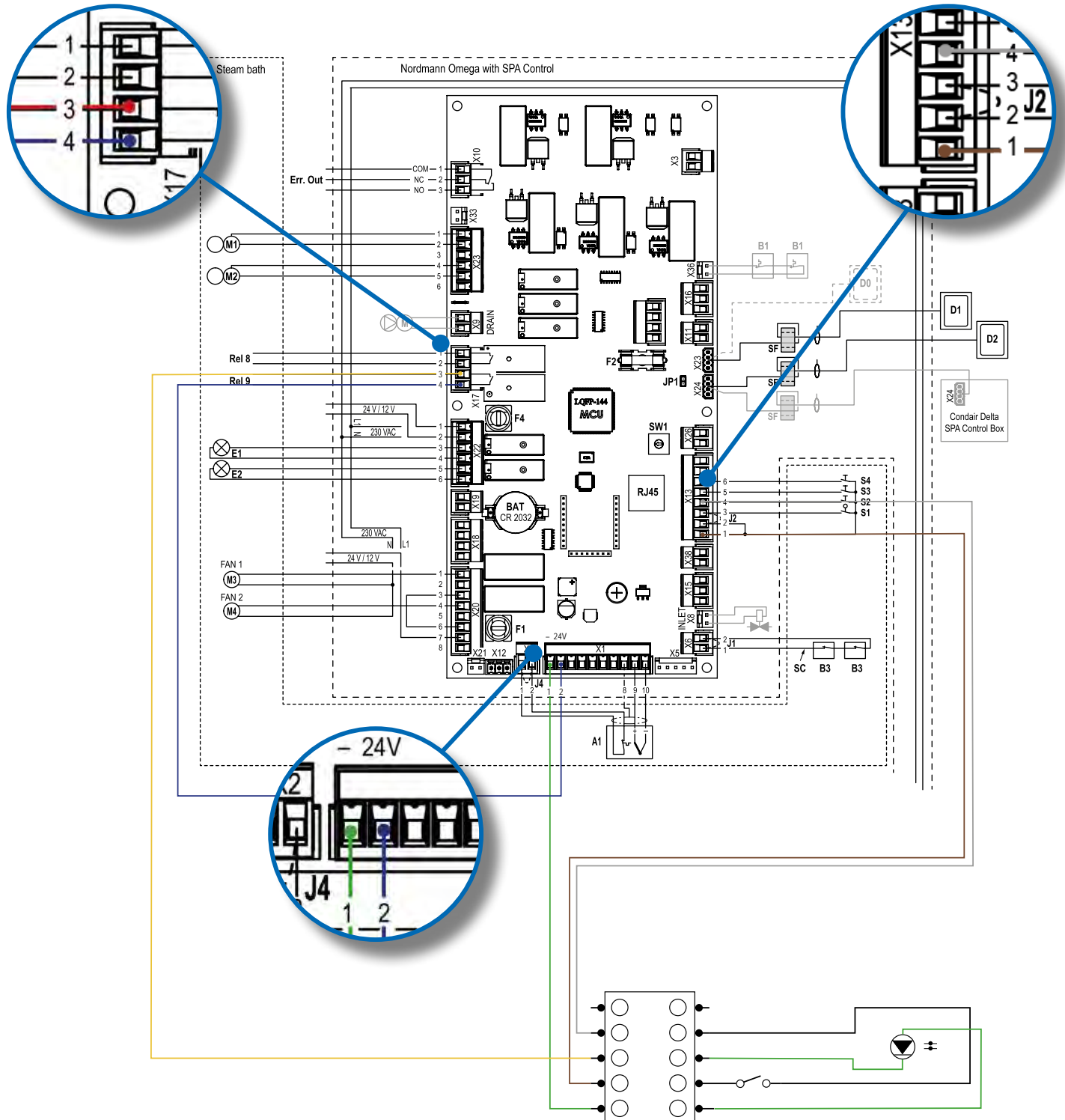
SALES MANAGER

Phone: +41614044653

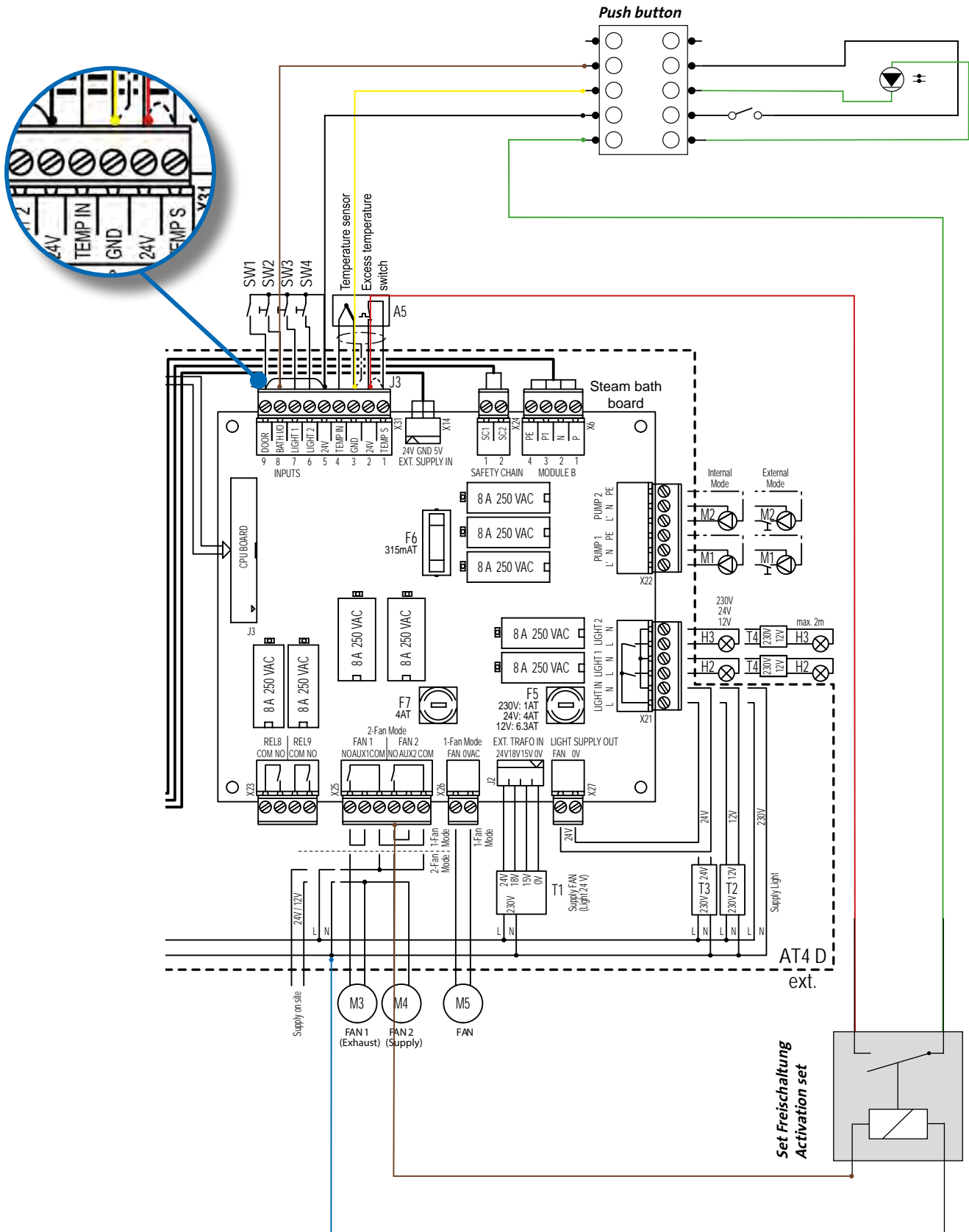
Mobile: +41793467111

E-Mail: dennis.guettrich@nordmann-engineering.com

Electrical diagram: Connection LED Push-Button to an Omega /Spa Control



Electrical diagram: Connection LED Push-Button to an AT4D with RLS Set



Installation of a WDT start/stop button with ring illumination for the AT4D.

Save up to 70% of energy costs with the „Keep Warm“ function

To use/install the start/stop button an RLS set is required, article number 2559991 or any other relay with an NO contact and a coil voltage of 230V.

Please follow the instructions for activating the Keep Warm function.

Installation of the push button:

Please connect the supply voltage of 230V to terminal X25 - Fan 2 - Com Port.

The relay coil is supplied with 230V from the terminal X25 Fan 2 NO contact and returned to „N“.

The 24V for the LED ring lighting is taken from terminal X31 Input 2 and switched via the „**NO relay contact**“:

Please connect the button contacts to terminal X31 Input-8 SW2 (Bath I/O) and Input-5 24V.

After installing the start/stop button and activating the Keep Warm function, the generator must be started. The LED lighting will not remain active until the push button is pressed for the second time and will then always be lit during the warm-up phase and Keep Warm mode. The customer can see that the generator is running by pressing the pushbutton and the LED goes out.

FAN2 Settings:

Please configure the Fan2 settings in the menu.

The following settings are required to switch the ring lighting on/off correctly.

(FAN2 active, no lead time, 1min lag time)

You will find the configuration procedure in our operating manual for the AT4D (chapter 5.3.3.4 from page 26)

ATTENTION: If no supply air fan is connected to FAN2, the 24V for the ring lighting can be switched directly via the FAN2 port. Then the RLS Set is not required.

Standby mode with „Keep warm“ or „Keep humidity“ function:

In this operating mode the Nordmann AT4 D produces that much steam that the set temperature or the set humidity (caldarium operation) in the steam bath cabin can be held.

After the set period of time in standby operation has elapsed the keep warm or keep humidity function is switched off.

Select **“Idle Operat.”** in the water management settings submenu, then press the **<Set>** key. In the upcoming Idle submenu set the parameters for standby operation with keep warm or keep humidity function.

Settings:

- **Idle Mode: “KeepWarm”**

- **Temperature:**

Desired steam bath cabin temperature, which is to be maintained during the set duration in the standby operation (Factory setting: **35 °C**, Setting range: 10...50 °C)

or

- **Humidity:**

Desired humidity (caldarium operation), which is to be maintained during the set duration in the standby operation (Factory setting: **30 %rH**, Setting range: 10...50 %rH)

- **MaxHeatTime:**

Max. duration in standby operation the set temperature or humidity is maintained (Factory setting: 2 h, Setting range: 1...18 h)

Configure menu settings:



Mounting sleeve for spots and push-buttons

Please choose your suitable **monting sleeve** for our push buttons and LED spots for coated or GFK/aluminium surfaces.

Extension cables for our LEDs can be found in our accessories brochure on page 11.



Mounting sleeve for coated GFK/Alu Surfaces [1]:
 Mounting hole 42 mm, mounting sleeve Ø 42 x 110 mm and nut, total length 113 mm (shortenable)
 Art.-No. 2591797



Mounting sleeve for surfaces to be tiled [2]:
 For tiled wet rooms / steam baths
 Mounting hole 42 mm, mounting sleeve Ø42x110 mm and nut, total length 113 mm (shortenable) with sealing flange and 6 screws for fixation
 Art.-No. 2591798

Menu settings for Push-button configuration



Step 1:
Please click on the „**Symbol**“ menu at the top right to enter the menu.



Step 2:
Use the down arrow to go to the „**Engineering**“ item.



Step 3:
The engineering area is secured with a code.



Step 4:
Please enter now the code **1055**.



Step 5:
Confirm the input.



Step 6:
The down arrow takes you to the next step, the „**Accessories**“.

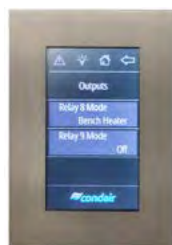


Step 7:
Enter „**Accessories**“ and scroll down...



Step 8:
..here you will find the item „**Outputs**“.*

**(if no seat heating or wall heating has been ordered as an option for the control, relays 8 and 9 are switched off and not assigned. Then the relay for the LED lighting can be freely selected)*



Step 9:
Relay 9 Mode is now activated.



Step 10:
Select „**Auto State on**“



Step 11:
New „**Relay State On**“ options become visible.



Step 12:
In the next step we configure when the relay or the LED should light up.



Step 13:
To do so, we scroll down.



Step 14:
We want the LED to light up when the generator is in the heat-up phase...



Step 15:
...and during session time. The customer can see whether the generator is in operation or not.



Step 16:
For this we have to choose two points. „**Warm up**“ and „**Bathing**“

— End —

„Keep warm“ Option:

With the function „Keep warm“ the cabin can be kept warm for a previously set time, e.g. 35°C.

The customer can reactivate the generator from the keep-warm mode by confirming a push button, next to or in the cabin.

After about 30 seconds the generator starts to emit steam. The preset cabin temperature is reached in a few minutes.

Save up to 70% of energy costs with the „Keep Warm“ function in the OMEGA with integrated spa control and Delta Spa Control.

A strong sales argument for OMEGA with SPA control and Delta SPA control in combination with ES4/Omega PRO.

For more information and programming steps, please refer to our OMEGA Operating Manual OMEGA chapter 6.3 page 54.

Configure menu settings:



Step 1:
Please click on the „**Symbol**“ menu at the top right to enter the menu.



Step 2:
Use the down arrow to go to the „**Engineering**“ item.



Step 3:
The engineering area is secured with a code.



Step 4:
Please enter now the code **1055**.



Step 5:
Confirm the input.



Step 6:
Please select „**Control Settings**“.



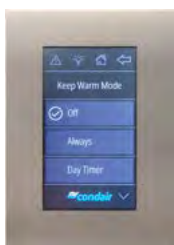
Step 7:
The down arrow takes you to the next Step, the „**Keep Warm**“.



Step 8:
Select „**Keep Warm**“



Schritt 9:
Configure the „**Keep Warm Mode**“:



Schritt 10:
Choose from 4 options.



Schritt 11:
The function is now ALWAYS active and the preset temperature can be changed at will.



Schritt 12:
Return to the main menu or home screen.

— End —

Mounting sleeve for spots and push-buttons

Please choose your suitable **mounting sleeve** for our push buttons and LED spots for coated or GFK/aluminium surfaces.

Extension cables for our LEDs can be found in our accessories brochure on page 11.



Mounting sleeve for coated GFK/Alu Surfaces [1]:
Mounting hole 42 mm, mounting sleeve \varnothing 42 x 110 mm and nut, total length 113 mm (shortenable)
Art.-No. 2591797



Mounting sleeve for surfaces to be tiled [2]:
For tiled wet rooms / steam baths
Mounting hole 42 mm, mounting sleeve \varnothing 42 x 110 mm and nut, total length 113 mm (shortenable) with sealing flange and 6 screws for fixation
Art.-No. 2591798