

## Trade-fair mode conversion for Convotherm maxx, maxxPro combi ovens

### General information

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- These instructions are intended solely for a qualified installation engineer and an authorized customer service engineer.
- Inform the customer of important points relating to operation and safety.

### Intended use

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These instructions describe the steps required to prepare a Convotherm combi oven for use at a trade fair.

- **Purpose**

To facilitate demonstration of the appliance's functions on the operating panel at trade fairs, the appliance is connected using a simple wiring set-up. No water or waste-water piping is required. The software is switched to the trade-fair mode using a service function. This allows the screen to simulate the normal operation of the appliance and the user can become familiar with this.

In the trade-fair mode, the oven light is active as soon as the appliance switch is switched to ON.

- **Disconnection of individual electrical components**

When several appliances with suppression technology are connected to only one circuit with RCD for exhibition purposes, the total leakage current adds up to such an extent that the tripping threshold of the respective RCD is soon reached, causing it to trip.

This is why at trade-fair stands or in display rooms it is useful to disconnect unneeded electrical equipment and to activate the trade fair mode. This reduces the leakage current of the trade fair appliance that would otherwise unintentionally be caused by the interference suppression circuits of the respective equipment.

### Restrictions on use

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The following restrictions on use must be observed:

- The conversion to the trade-fair mode is intended exclusively for Convotherm combi ovens of the product lines Convotherm maxx and Convotherm maxxPro.

### Additional necessary instructions

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These instructions are a supplement to the user and installation manuals and the servicing documentation for your appliance and must only be used in conjunction with these documents. Please refer to the manuals for technical data, intended use, design and operation and safety information.

## Live parts

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### **DANGER**

#### **Risk of electric shock from live parts and loose cables**

When the cover is open, there is a risk of electric shock from touching live parts.

- ▶ Make sure that any work on the electrical system is performed solely by a qualified electrician from an authorized customer service office.
- ▶ Before removing the covers:
  - Switch off all connections to the power supply.
  - Take protective measures at every power switch to ensure that the power cannot be switched on again.
  - Wait 15 minutes to allow the DC bus capacitors to discharge.
  - Make sure that the appliance is de-energized.
- ▶ For jobs that require electrical power and must be performed with covers removed, for instance testing cutouts on the SIB or aligning the door contact switch, take the following precautions:
  - Follow professional standards and proceed with extreme caution when performing this work.
  - As soon as you have finished the jobs requiring electricity, isolate the power from all connections then wait 15 minutes before any further work to allow the DC bus capacitors to discharge.
- ▶ Make sure that the electrical connections are intact and connected securely before you reconnect the appliance to the power supply.
- ▶ Before putting the appliance back into service, make sure that the appliance, including all metallic accessories and fittings, is connected to an equipotential bonding system.

## Sharp-edged sheet-metal parts

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### **WARNING**

#### **Risk of cuts from sharp-edged sheet-metal parts**

Working with or behind sharp-edged sheet-metal parts may result in cuts to hands.

- ▶ Exercise caution.
- ▶ Wear personal protective equipment.

## Tools required

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Straight and Phillips screwdriver

## Materials required

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Mains cable according to national regulations

## Requirements

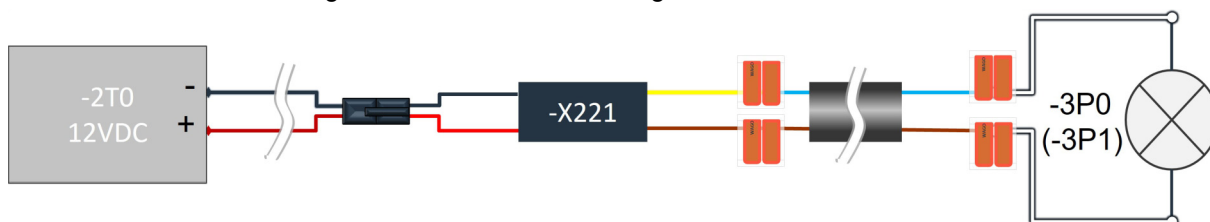
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Check that the following requirements have been met:

- The appliance has been disconnected from the power supply.
- The left side panel has been removed.

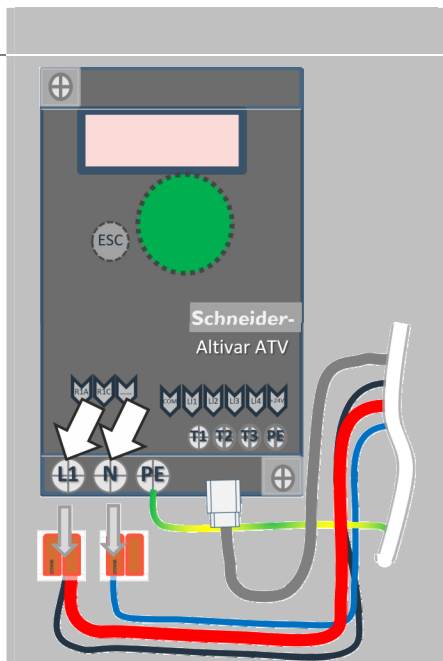
## Rewiring the oven light

Connect the oven light directly to the power supply (-2T0).  
 To do so, rewire the oven light as shown in the following schematic.



## Disconnecting the frequency converter

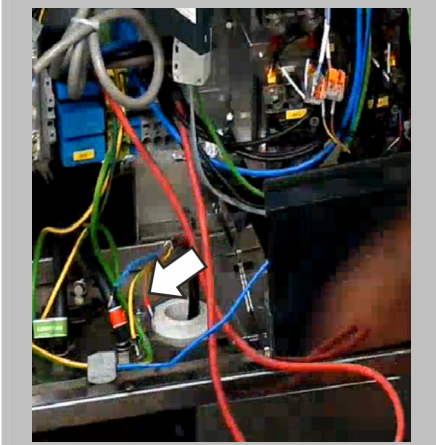
1. Open the cover of the frequency converter.
2. Disconnect the cables at L1 and N on the frequency converter. Insulate the cable ends with an enclosed terminal strip.  
**Please note:** On floor-standing units, disconnect both frequency converters.



## Network voltage connection

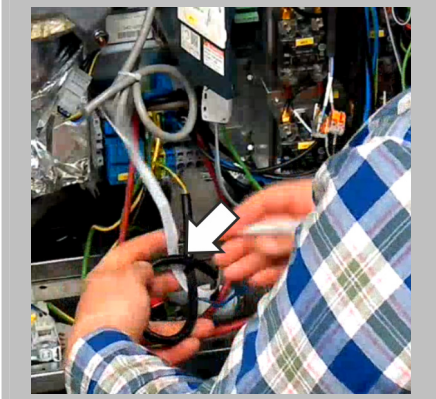
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1.

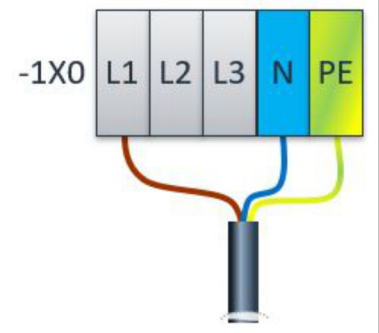
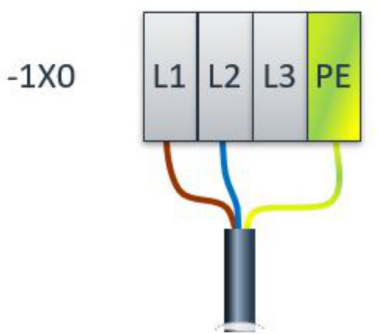


Disconnect any mains cable that may be present.

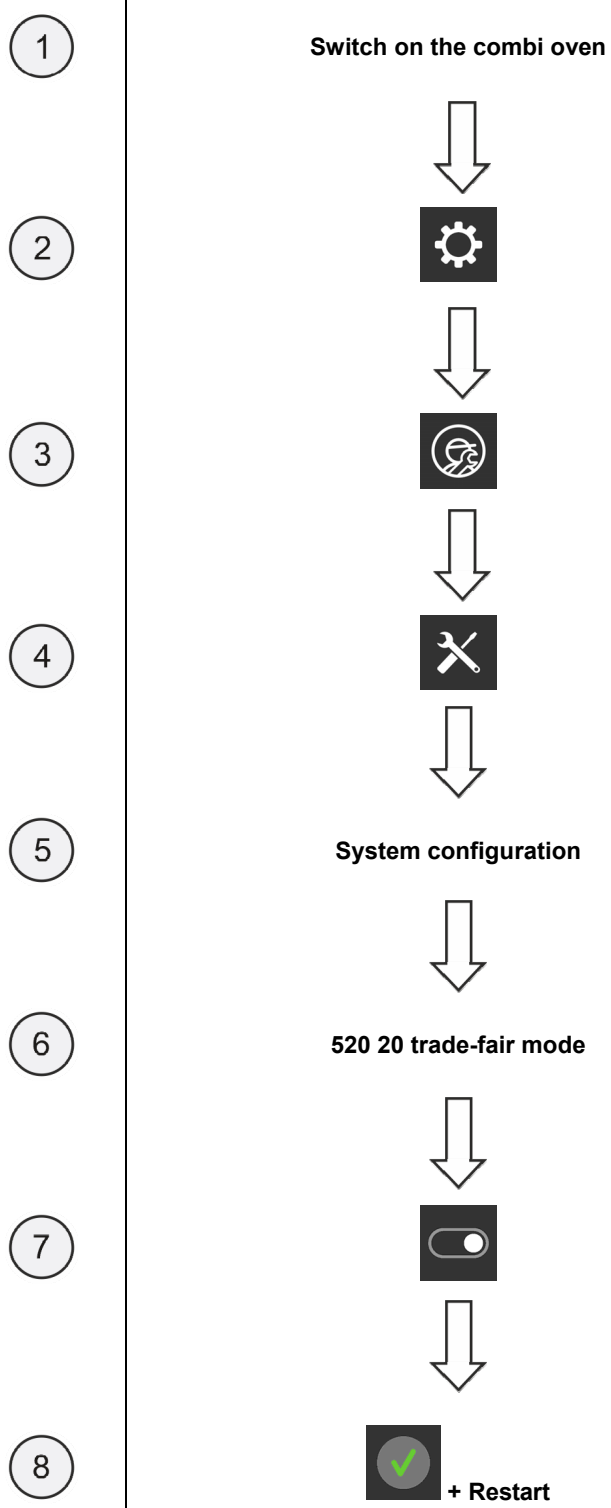
2.



Route the dummy mains cable through the opening into the wiring compartment.  
Secure the mains cable in the wiring compartment using a strain relief.

3.		Connect the power supply.
3.a		<b>3NPE 230 V</b> Connect the supply line to terminal -1X0
3.b		<b>3PE 230 V</b> Connect the supply line to terminal -1X0
4.		Fit the left side panel.

## Making settings via the service menu



## Restoring the appliance to normal operation

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Follow the steps in the reverse order to restore the appliance to normal operation.

1. Switch on the appliance.
2. In the service menu, set the trade-fair mode to OFF.
3. Disconnect the appliance from the power supply and take protective measures to ensure the power cannot be switched on again.
4. Remove the left side panel.
5. Remove the dummy mains cable.
6. Reconnect the frequency converter.
7. Rewire the oven light for normal operation.
8. Fit the left side panel.