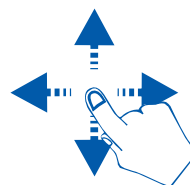


Main menu

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>1.</b> Type and version of the System Centre and the name of the system with date and time.</p> <p><b>2./5.</b>   Switch off horn!<br/>Press the red horn button!</p> <p><b>3./6.</b>   Display list of alarms and messages and acknowledge (only red if pending alarms)</p> <p><b>4.</b>  Help for menu / for input mask (if available)</p> <p><b>7.</b>  Display list of interrupted refrigeration points (only visible if refrigeration points are interrupted)</p> <p><b>8.</b>   Login / unlock System Centre (only for service staff!)</p> <p><b>9.</b>   Activate service mode (only enabled if System Centre unlocked)</p> <p><b>10.</b>  Configure System Centre &amp; E*LDS components (only possible, if System Centre unlocked)</p> | <p> Display main menu (only visible in sub menus)</p> <p> One menu level back</p> <p> Acknowledge alarms</p> <p> Remote control (terminal operation) / display E*LDS components</p> <p> Menu / input mask / open the graphic</p> <p> Apply / save</p> <p> New entry</p> <p> Delete / remove</p> <p>  Confirm / save</p> <p> ESC Cancel / discard</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



- Scroll left, right, top, down
- or scroll in the display (not possible in alarm and message list, 24h list, energy lists, EU archive and remote control)

### Actual Alarms / Acknowledge alarms

**Actual Alarms / Acknowledge alarms**

Horn off!

Acknowledge alarms

Message list: Messages with a yellow symbol (Prio 0, e.g. Computer fault) are still pending and must be fixed!

Alarm list: Only alarms with date/time in the column „Gone“ can be acknowledged! Alarms with a red symbol are still pending and must be fixed!

Symbol „the list is being automatically updated“

Come	Gone	Subscriber	Position	Addr	Message	Prio
13.11.14 10:46:50	13.11.14 10:47:13	Temperaturlogger	P 3	CAN/3	133 - Stecker 5 Unter F7	1
13.11.14 10:16:27	13.11.14 10:16:57	Temperaturlogger	P 3	CAN/3	133 - Stecker 5 Unter F7	1
13.11.14 10:14:00	13.11.14 10:14:29	Temperaturlogger	P 3	CAN/3	133 - Stecker 5 Unter F7	1
13.11.14 10:11:15	13.11.14 10:12:02	Temperaturlogger	P 3	CAN/3	133 - Stecker 5 Unter F7	1
13.11.14 09:11:29		TK Insel	P 1	CAN/1	52 - Rechnerausfall	1
13.11.14 09:06:14	13.11.14 10:09:16	Temperaturlogger	P 3	CAN/3	133 - Stecker 5 Unter F7	1
13.11.14 08:27:55	13.11.14 09:06:14	Temperaturlogger	P 3	CAN/3	133 - Stecker 5 Unter F7	1
13.11.14 08:18:29	13.11.14 08:20:56	Temperaturlogger	P 3	CAN/3	133 - Stecker 5 Unter F7	1

### Display list of interrupted refrigeration points (only visible if refrigeration points are interrupted)

Components with unknown state

- LT Island: Position P1, CAN bs 15, Unloaded, Failed
- Milk 02: Position P2, CAN bus 16
- LT Case: Position P3, CAN bus 21

Press, if refrigeration points are unloaded and switched on again later, e.g. for cleaning.

Press, if reason for refrigeration point failure is unknown, e.g. an error occurred!

Notice: If none of these two buttons are pressed after 5 minutes an alarm will be send automatically to the service centre!

### Display remote control, participant components list with status of E\*LDS components

System overview (Read only)

Configuration (Service personnel, configuration possible)

Receive Wireless

Part contr.

Case contr.

Components

- LT Room
- Milk
- LT Island

Touch line or Touch symbols

Display/Edit the following descriptions: Name, Position, Priority and display the CAN bus address, Serial number, firmware version, Integrated using, Pack number or Delete the E\*LDS component

Access remote control of E\*LDS components directly

User: 2 - System overview  
Service staff: 4 - Configuration

Choose E\*LDS components

### Remote control functions (e.g. for refrigeration points):

- Display actual values (temperatures): Press button 1
- Display/edit set points: Press button 2
- Show configuration: Scroll down and press button 6
- One level back within the controller menu: Press button ESC

Notice: Display without touch function, operation only possible via buttons!

4-2 - Case controller configuration

REFR. PT. ID: P 2

1 Actual Values

2 Setpoints

3 Clock

Service staff

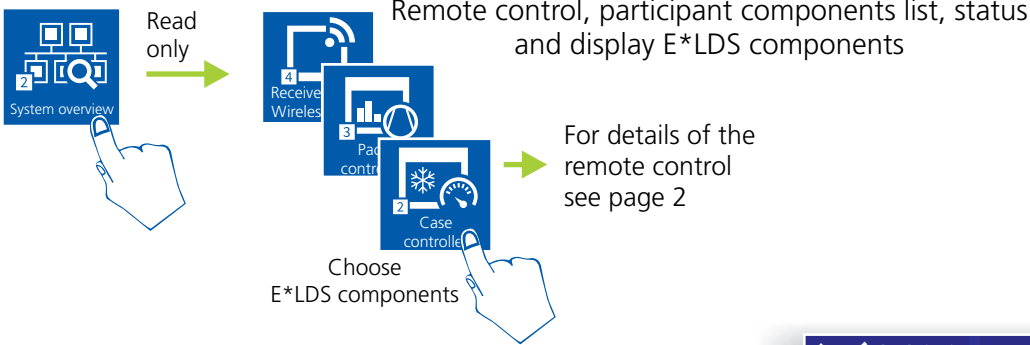
User Read only!

Entries are not possible on this screen!

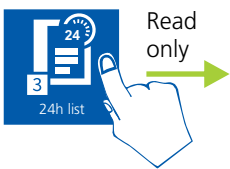
Notice: Adjustment of settings are only possible via the configuration menu!

Screen for remote control of E\*LDS components

Remote control, participant components list and display E\*LDS components



Display 24h list



Touching line opens graphic →

Scroll left to display previous days → Time

Display temperatures

- 00:00..7:00
- 8:00..15:00 ← active
- 16:00..23:00

back to 24h list

A defrosting occurred

Scroll up/down to display other refrigeration points

29.1.2015	Position	sensor	00-07	08	09	10	11	12
TKInsel	P 1	Fühler 4.1	-18	-18	-19	-18	-18	-18
TKInsel	P 1	Fühler 4.2	-20	-22	-22	-22	-22	-21
TKInsel	P 1	Fühler 4.3	-20	-22	-22	-22	-22	-22
TKInsel	P 1	Fühler 4.4	-22	-22	-22	-22	-22	-22
TK-Raum		Fühler 1	-20	-22	-22	-22	-22	-21
TK-Bäcker	E	Fühler 2	-18	-18	-18	-18	-17	-18
Stecker 1	P 20	Fühler 3	-23	-22	-22	-22	-22	-23
Stecker 2	P 21	Fühler 4	-27	-27	-27	-27	-27	-27

Display energy consumption



Touch line or symbol to open graphic of counter (Energy, water, gas, ..)

Scroll left to display previous period → Time

Display consumption figures

- Days ← active
- Months
- Years

Time →

Scroll right to display next period

Energy meter	Name	Position	Meter constant	Transformer constant	Unit of measurement
test	Stromzähler	test	2	5	kWh

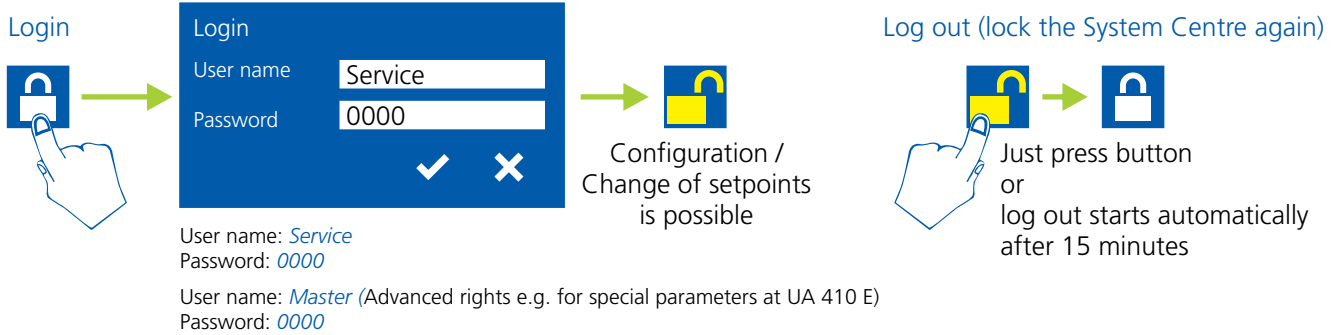


## Login / unlock - Service Mode

For Service staff ONLY

### Step 1: Login / unlock System Centre

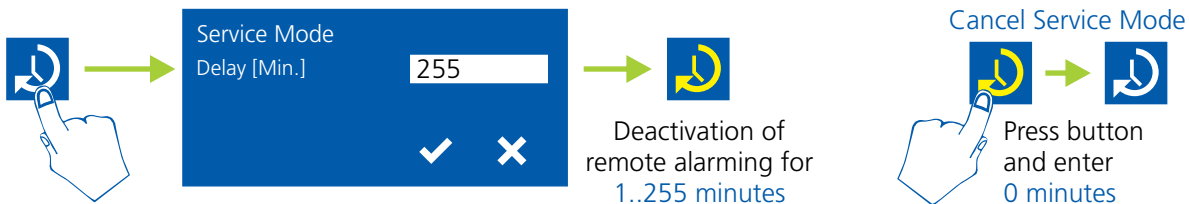
For any configuration of the System Centre or E\*LDS components a login is necessary:



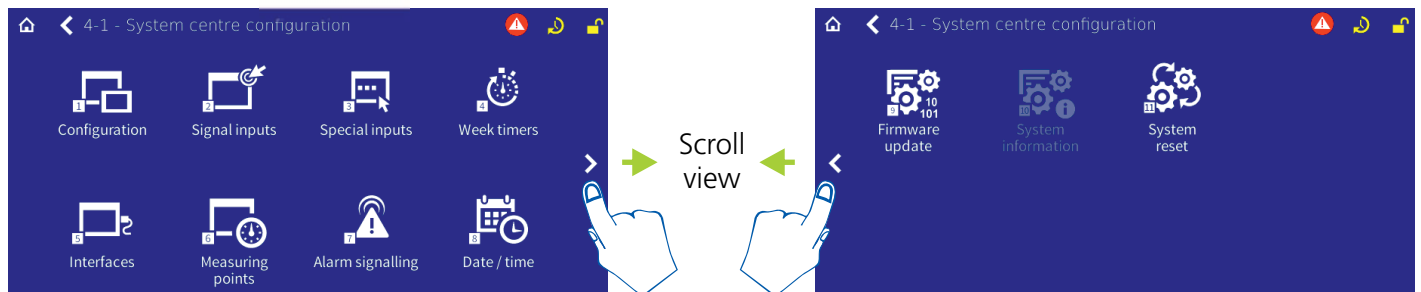
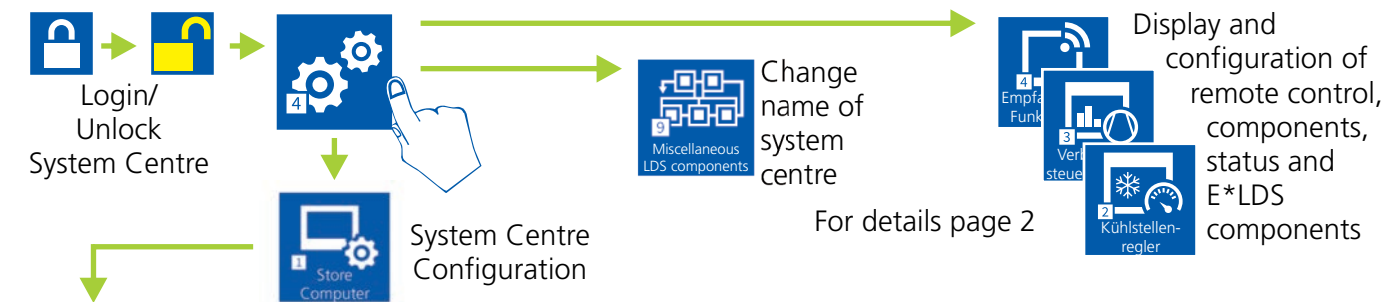
### Step 2: Service Mode - Turn off remote alarming (only enabled if System Centre is unlocked)

Deactivation of remote alarming means:

No horn/alarm reporting to the service centre within the configured time delay!



### Step 3: Configuration of System Centre and E\*LDS components



Menu 1..8: Configuration, Signal inputs, Special inputs, Week timers, Interfaces, Measuring points, Alarm signalling, Date/time

Menu 9..11: Firmware update, System information and System reset

### Step 4: Test alarm for inspecting the alarm route (Relays, Modem, SMS, ...)

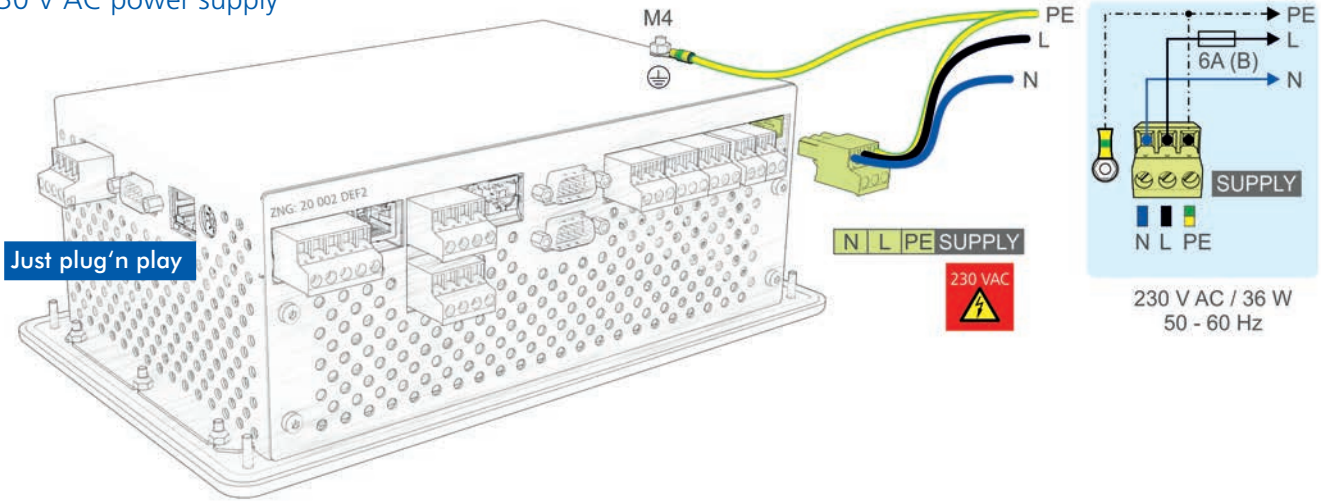




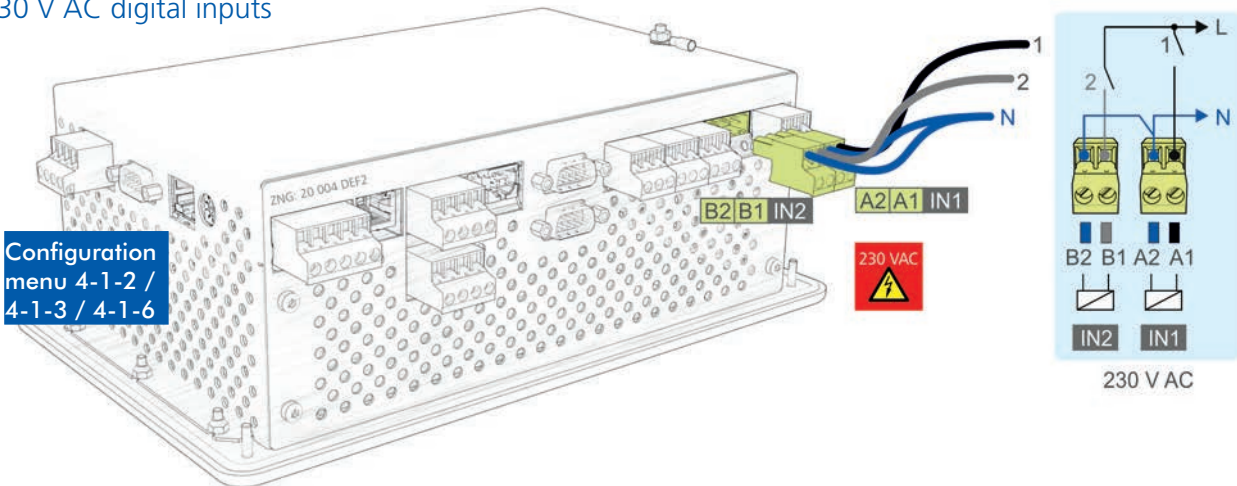


For Service staff ONLY

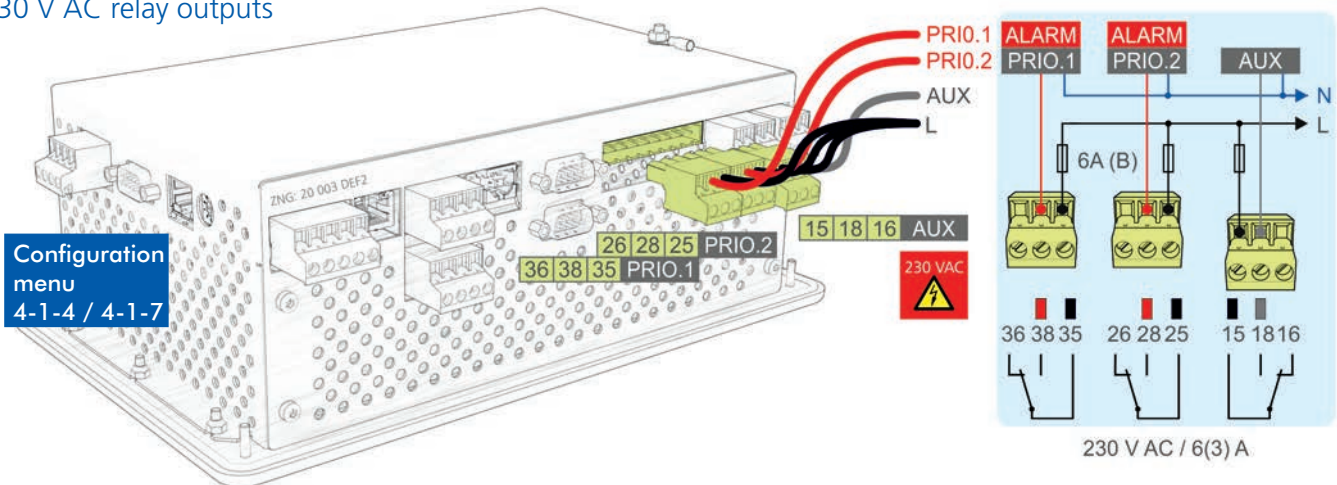
### 230 V AC power supply



### 230 V AC digital inputs



### 230 V AC relay outputs



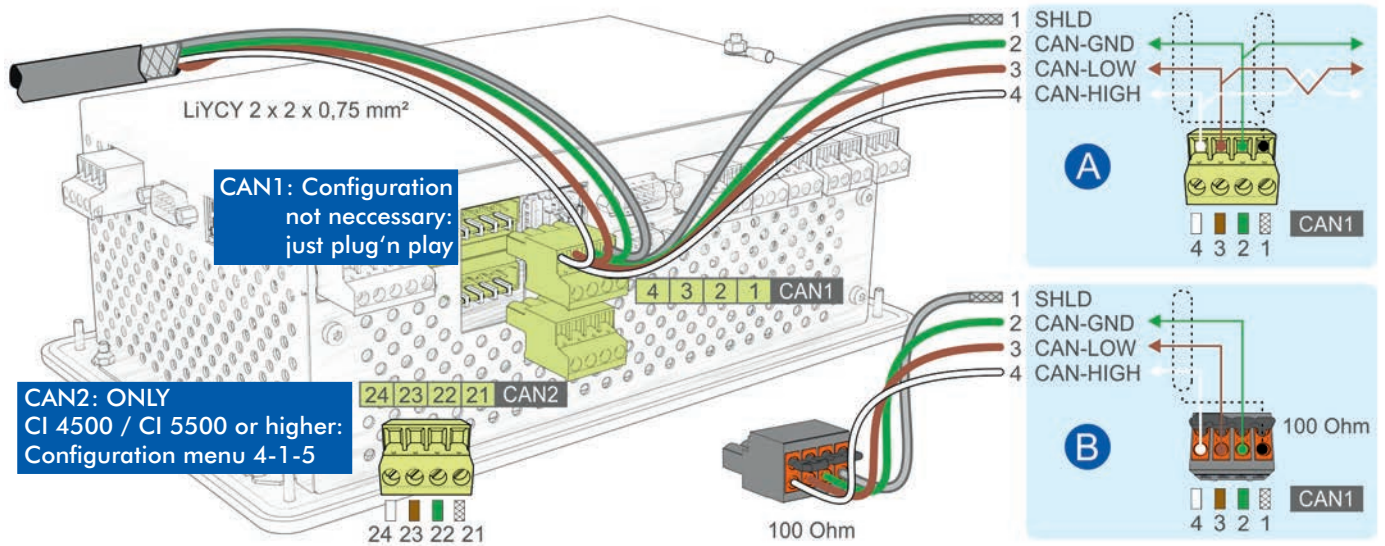
**DANGER**

**Danger of electric shock!** BEFORE connecting and disconnecting it must be checked that the 230 V AC power supply cable is **disconnected from the power supply!** Please pay attention to the safety instructions on terminal assignments in the operating instructions!



For Service staff ONLY

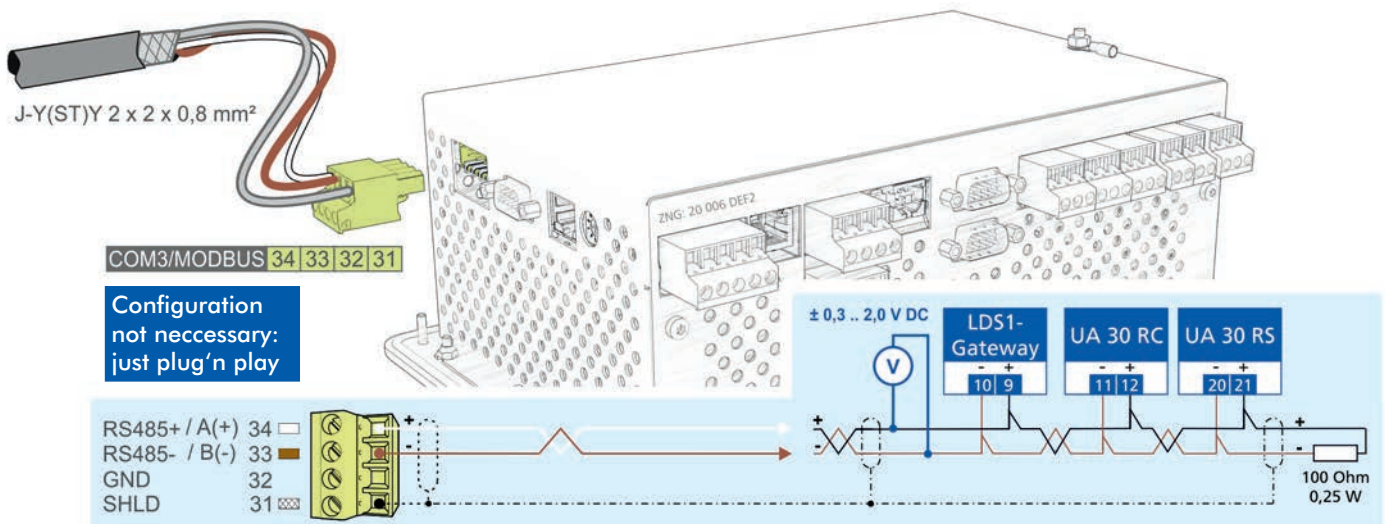
## CAN bus terminals



**A:** Device is a node in a CAN bus segment, terminating resistance is **not** required.

**B:** Device is at the start / end of a CAN bus segment, terminating resistance 100 Ohm **is** required (order no. KGLCANTERM)!

## COM3/Modbus terminals (RS485)

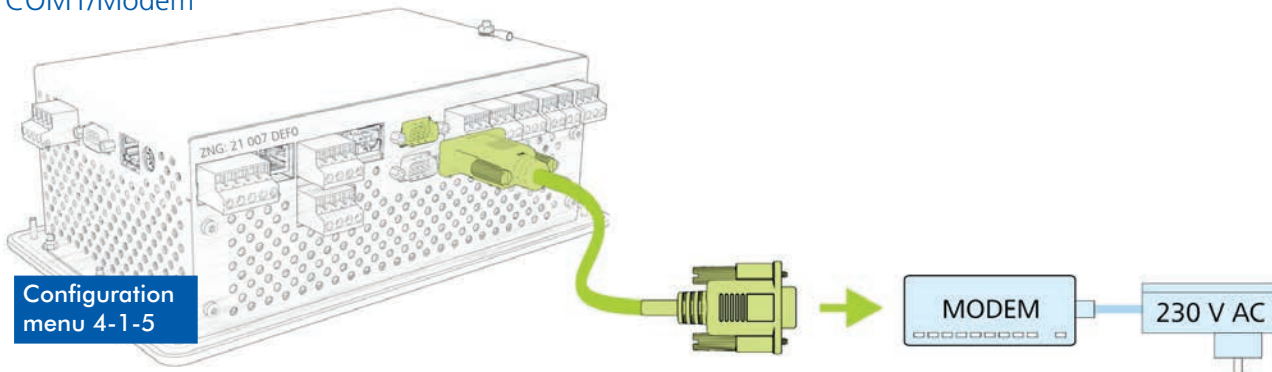




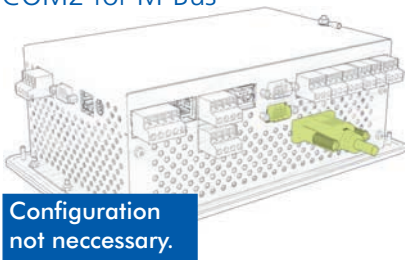


For Service staff ONLY

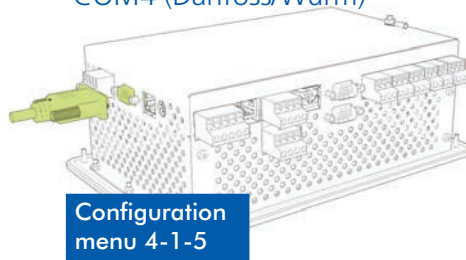
## COM1/Modem



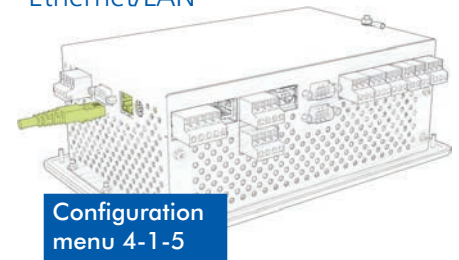
## COM2 for M-Bus



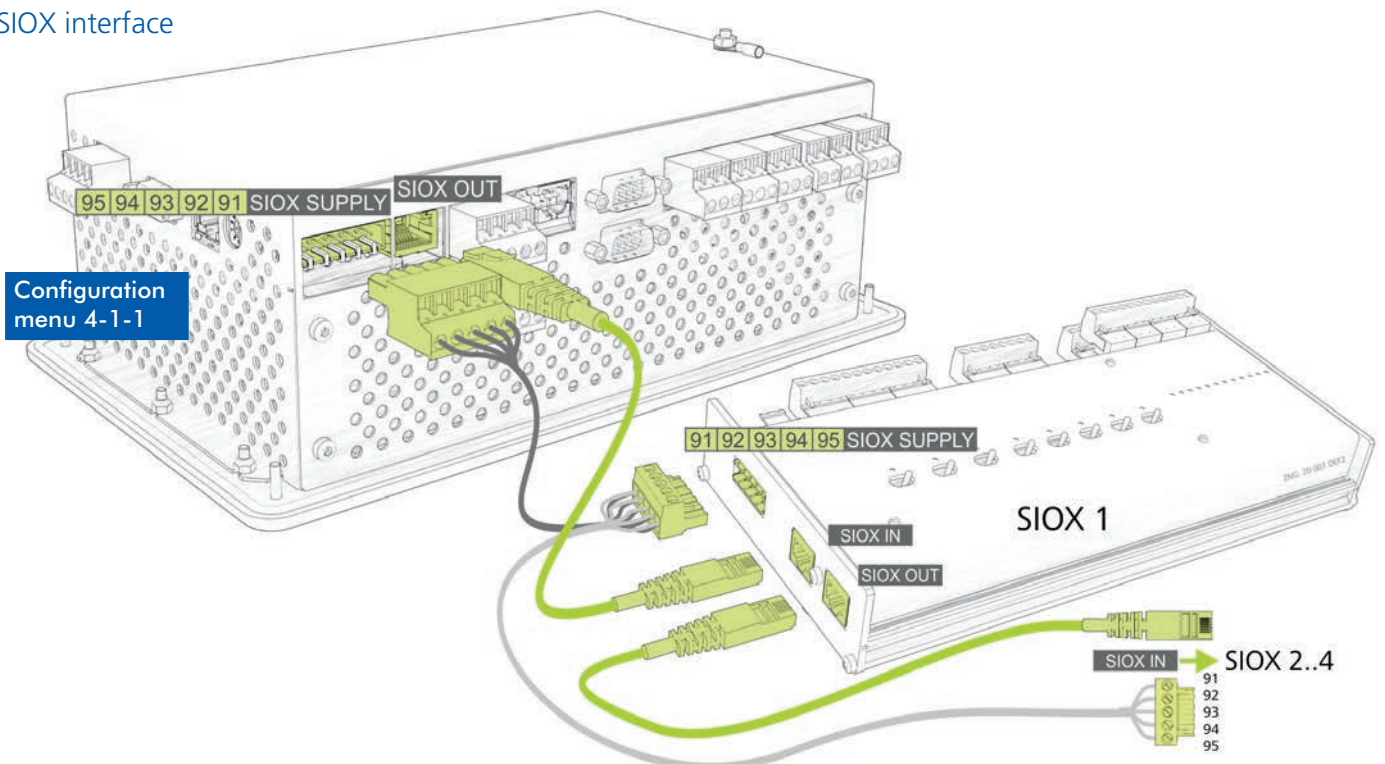
## COM4 (Danfoss/Wurm)



## Ethernet/LAN



## SIOX interface





# Pin and Terminal Assignments SIOX

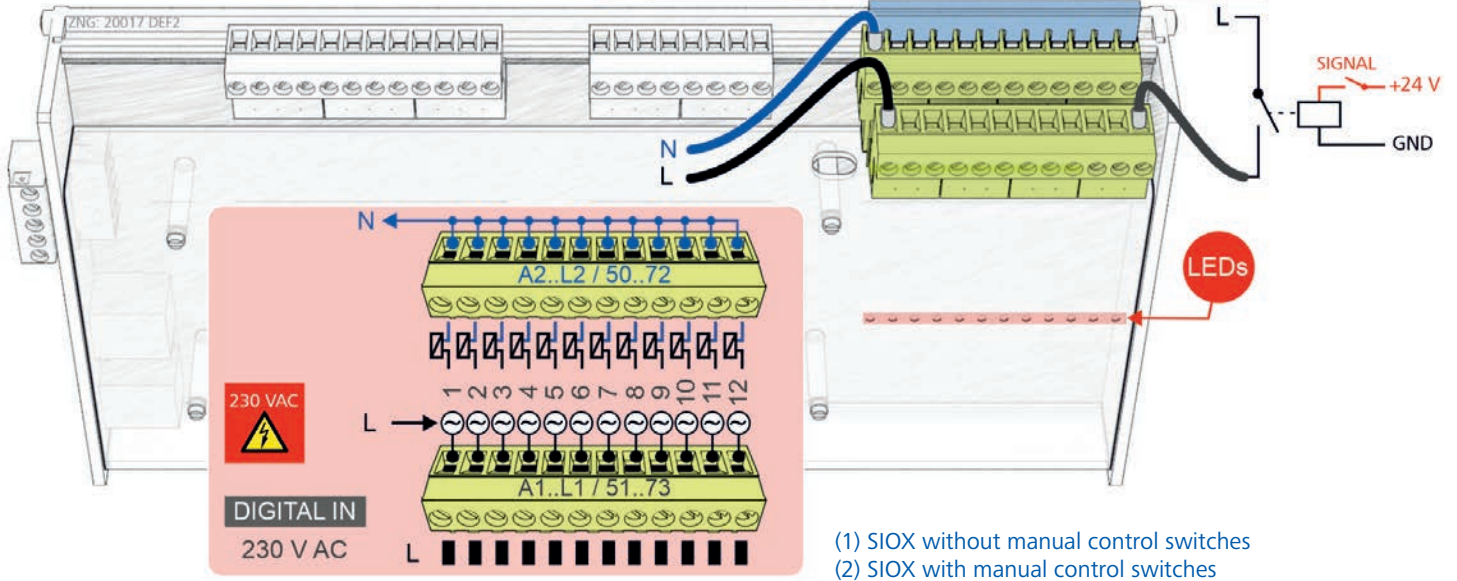
EN

For Service staff ONLY

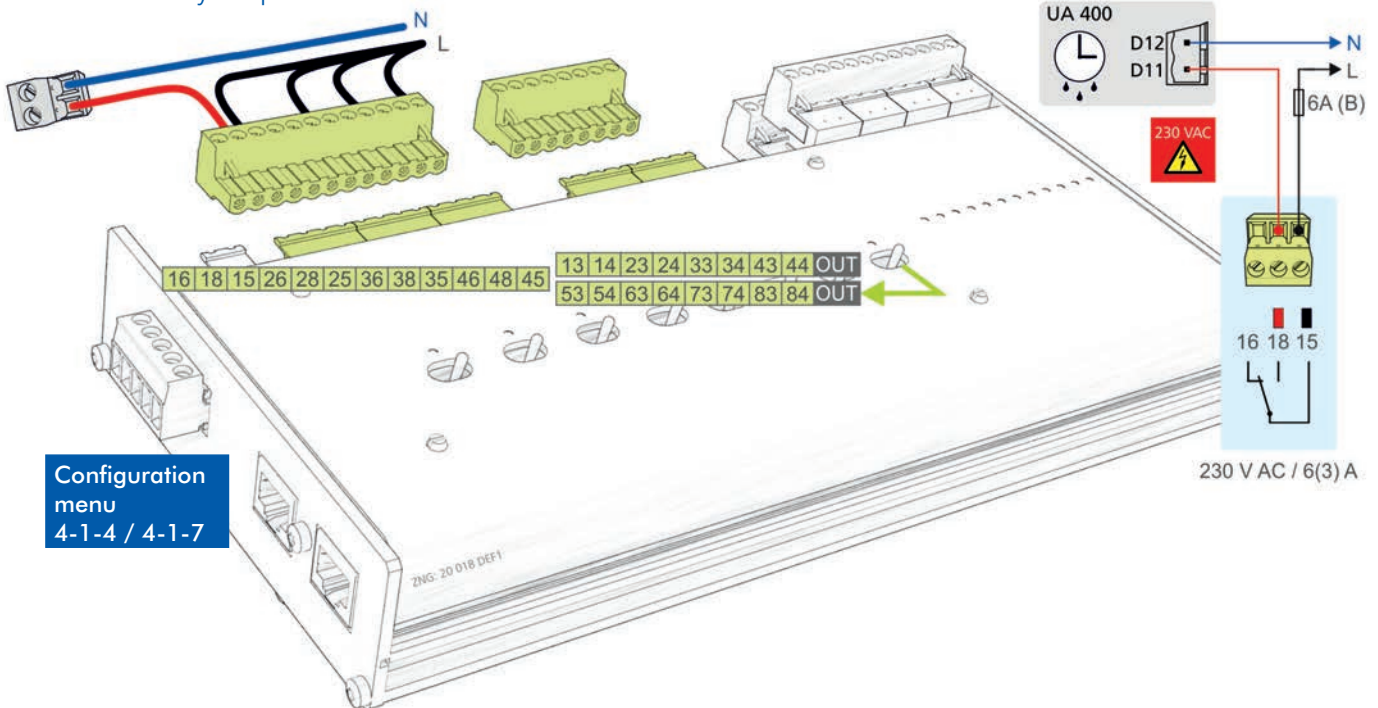
## 230 V AC digital inputs

Configuration menu 4-1-2 / 4-1-3 / 4-1-6

- 1 N A2 B2 C2 D2 E2 F2 G2 H2 I2 J2 K2 L2  
DIGITAL IN A1 B1 C1 D1 E1 F1 G1 H1 I1 J1 K1 L1
- 2 N 50 52 54 56 58 60 62 64 66 68 70 72  
DIGITAL IN 51 53 55 57 59 61 63 65 67 69 71 73



## 230 V AC relay outputs



### DANGER



**Danger of electric shock! BEFORE** connecting and disconnecting it must be checked that the 230 V AC power supply cable is **disconnected from the power supply!** Please pay attention to the safety instructions on terminal assignments in the operating instructions!