

Installation Guide

# LCON Parameterizable Converter Software Installation

Version 1.14



Friedrich Lütze GmbH Postfach 1224 (PLZ 71366) Bruckwiesenstrasse 17-19 D-71384 Weinstadt Tel.: +49 (0) 7151 6053-0 Fax: +49 (0) 7151 6053-277(-288) info@luetze.de www.luetze.com



# Content

1	Introduction	4
<b>2</b> 2.1 2.2 2.3 2.4	General Information Symbol Description Copyright Disclaim of Liability Related Documents	<b>5</b> 5 5 5 5
<b>3</b> 3.1 3.2 3.3	Safety Intended Use Recepients Operating Employees	7 7 7 7
<b>4</b> 4.1 4.2 4.3 4.4 4.5 4.5.1	Installation System Requirements. Download Installation PACTware and HART-DTM Driver Installation Lütze DTM Driverr Installation USB Driver Installation USB Driver	8 8 8 8 16 19 20
5	Connecting the converter via the LCON USB Cable	21
<b>6</b> 6.1 6.1.1 6.1.2 6.1.3 6.1.4 6.2 6.3 6.4	Parameterization with PACTware Create a Lütze Device/ Create a New Project Device Catalog Wizard DTM-Short Cut HART Communication Parameterization Online/Offline Parameterization User Administration Display Measured Value	23 23 25 25 26 27 29 30
7	Error Treatment	31
8	Service	32
9	Revision of the Document	33



1

### Introduction

The installation guide is part of the LCON parameter and driver Software. The installation guide contains important information about the handling and safety. To avoid hazardous situations and property damages read the installation guide before working with the software. Store the installation guide at a handy place. If selling, renting or in case of a devisture pass the installation guide to the authorize person.



#### 2.1 Symbol Description

The manual contains several safety messages. Each safety message contains a defined signal word and a color. The color and the word are referring to an alert level. There are 4 levels. The safety messages point out hazardous situations and give information to avoid those.

	Indicates a hazardous situation which, if not avoided will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided could result in minor or moderate injury.
NOTICE	Is used to address practices not related to personal injury.

#### 2.2 Copyright

The installation guide is intended for the operator and his staff. It is forbidden to give the content to a third party, to duplicate, exploit or impart it. The Lütze Transportation GmbH has to allow it explicit in writing.

General data, text, images and drawings are copyrighted and are liable to the industrial property right. Contravention can be prosecuting criminally. The named brands and product names in this document are trademarks or registered trademarks by titleholder.

#### 2.3 Disclaim of Liability

The installation guide was written under consideration of the applied standards, regulations and the current state of technology.

The content is verified of accuracy. Discrepancies are not excluded. For those discrepancies we disclaim liability. Applicable changes and additional information will be in the next version of the manual.

The Lütze Transportation GmbH does not assume liability for any damages and accidents of following reasons:

- Nonobservance of the manual
- Untrained and unqualified employees
- Non conventional use
- Non approved reconstructions and functional modifications of the product
- Using non original or non admitted parts or equipment



#### 2.4 Related Documents

NOTICE

The software is for parameterizing different converter..

Before installation read the documentation of the particular converter and the online help of the PACTware.



# 3 Safety

#### 3.1 Intended Use

The parameter software and the driver software is only for parameterizing the following converter of the Lütze Transportation GmbH and the Friedrich Lütze GmbH:

- Analog/Analog Converter
- Temperature/Analog Converter
- Analog Limit Switch
- USB Service Cable

#### 3.2 Recepients

The installation guide addresses planers, project manager and programmers. It also addresses the operating employees which are responsible for the initial operation, the operating and for the maintenance of the products and systems. Regarding the employees different qualification levels are differentiated.

#### 3.3 Operating Employees



**Risk of injury by deploying insufficient qualified operating employees.** Inappropriate appoint of not qualified or insufficient personal can cause property damages and personal injuries. Tasks which apply special procedures should be done by trained and qualified employees or experts, especially electricians.

#### **Trained Employees**

The employee was trained by the employer on the task and possible hazardous situations. The employee does not have any technical knowledge.

#### Experts

The employee has a technical education, knowledge and/or experience in the required field. The employee is capable to do specific operations on and with the product.

#### **Electrically qualified persons**

The employee has a technical education in the required field. The employee is capable to do special operations on and with the product.

The different sections of the manual referingt to the qualification level of the operating employees.



### 4 Installation

Additional to the PACTware Software the HART-DTM driver will be installed. For the configuration of the converter the Lütze driver and the USB driver are necessary. Read the installation remarks on *Seite 16 and Seite 19*.

4.1 System Requirements

Before installing the software, check if the system meets the necessary requirements:

- Windows 2000
- Windows XP, 32-Bit
- Vista, 32 Bit
- Windows 7, 32 Bit

#### 4.2 Download

Before a download is possible, register on the Lütze website. Click *Login*. The software and the driver can be downloaded as a zip-file on the Lütze Transportation website: *www.luetze-transportation.de*.

#### 4.3 Installation PACTware and HART-DTM Driver

- 1. Unzip the downloaded file.
- 2. Start the installation by double clicking on the **setup.exe** file.



Following window appears:

🗣 User Account Control		Х	
Do you want to allow this app from an unknown publisher to make changes to your PC?			
	Program name: Publisher: File origin:	setup.exe <b>Unknown</b> Hard drive on this computer	
⊗ s	how details	Yes No	
		Change when these notifications ap	opear



8		
English		
	ОК	Cancel

3. Choose a language and confirm by clicking **OK**.

👼 PACTware 4.1 SP4 I	nstaller	_		$\times$
<b>_</b>	Select the components that should be 4.1 SP4	e installed wi	ith PACTwa	are
	PACTware 4.1 SP4			
	HART Communication FDT 1.2 D	TM (V1.0.52	)	
Windows 8 (x64)	I	nstall	Clos	e

- 4. Choose **PACTware** and **HART Communication**.
- 5. Click Install.





Follow the directions of the setup assistant. Click *Next* to proceed. Click *Back* to go one step back. Click *Cancel* to cancel the installation.

			=
arefully			
ent for L	.ütze sofi	tware	^
e. You may s you like. free distribu of the softw or distribute	use this soft The software Ition of the so rare and its so the software	ware on is NOT oftware, ource only	
em or docu	mentation file	e in anv	~
	e. You may s you like. free distribute of the softw or distribute	arefully <b>ent for Lütze soft</b> a. You may use this soft s you like. The software free distribution of the so of the software and its so or distribute the software am or documentation file	e. You may use this software e. You may use this software on s you like. The software is NOT free distribution of the software, of the software and its source or distribute the software only



#### LCON • Installation

PACTware 4.1 SP4 Setup			_		
Destination Folder					=
Click Next to install to the default f	older or click Cl	hange to choose	another.		
Install PACTware 4.1 SP4 to:					
C:\Program Files (x86)\PACTware C	Consortium\PAC	Tware 4.1\			
Change					
	Ē	jack <u>N</u> e	×t	Car	ncel
	Ē	ack <u>N</u> e	xt	Car	ncel
	E	ack <u>N</u> e	xt	Car	ncel
PACTware 4.1 SP4 Setup	E	ack <u>N</u> e		Car	ncel
PACTware 4.1 SP4 Setup Ready to install PACTware 4.	1 SP4	ack <u>N</u> e	_	Car	
PACTiware 4.1 SP4 Setup Ready to install PACTware 4.	1 SP4	ack <u>N</u> e		Car	
PACTware 4.1 SP4 Setup Ready to install PACTware 4. Click Install to begin the installation installation settings. Click Cancel to	1 SP4	review or change	e any of yo	Car	
PACTware 4.1 SP4 Setup Ready to install PACTware 4. Click Install to begin the installation installation settings. Click Cancel to	1 SP4	review or change	e any of yo	Car	
PACTware 4.1 SP4 Setup Ready to install PACTware 4. Click Install to begin the installation installation settings. Click Cancel to	1 SP4	review or change	e any of yo	ur	
PACTware 4.1 SP4 Setup <b>Ready to install PACTware 4.</b> Click Install to begin the installation installation settings. Click Cancel to	1 SP4	review or change	any of yo	ur	
PACTware 4.1 SP4 Setup <b>Ready to install PACTware 4.</b> Click Install to begin the installation installation settings. Click Cancel to	1 SP4	review or change	any of yo	ur	
PACTware 4.1 SP4 Setup <b>Ready to install PACTware 4.</b> Click Install to begin the installation installation settings. Click Cancel to	1 SP4	review or change	any of yo	ur	
PACTware 4.1 SP4 Setup <b>Ready to install PACTware 4.</b> Click Install to begin the installation installation settings. Click Cancel to	1 SP4	review or change	e any of yo	ur	;
PACTware 4.1 SP4 Setup Ready to install PACTware 4. Click Install to begin the installation installation settings. Click Cancel to	1 SP4	review or change	e any of yo	ur	



🚽 PACTware	4.1 SP4 Setup		_	
Installing	PACTware 4.1 SP4			
Please wait	while the Setup Wizard installs PA	CTware 4.1 SP4.		
Status:	Copying new files			
•				
		<u>B</u> ack	Next	Cancel



7. Click *Finish* to complete the installation.

Right after the PACTware Installation the start window of the HART DTM Driver Installation appears.

8. Follow the directions of the setup assistant. Click *Next* to proceed. Click *Back* to go one step back. Click *Cancel* to cancel the installation.





9. Click Install to start the installation of the HART-DTM driver

🛃 PACTware 4.1 SP4 Setup × End-User License Agreement Please read the following license agreement carefully Software license agreement for Lütze software ^ 1. License: The software is distributed as Freeware. You may use this software on any number of computers for as long as you like. The software is NOT Public Domain software. We allow the free distribution of the software, but we retain ownership and copyright of the software and its source. code in its entirety. You may use and/or distribute the software only subject to the following conditions: You may not modify the program or documentation files in any I accept the terms in the License Agreement Next Cancel Print <u>B</u>ack



🛃 HART Communication FDT 1.2 DTM (V1.	0.52) Setup Wizard		×
Customer Information	code	WRIGHTS	code
Please enter your customer information			WRIGHTS
Licer Name			
Organization:		_	
	< <u>B</u> ack <u>N</u>	ext > C	ancel

😸 HART Communication FDT 1.2 DTM (V1.0.52) Setu	p Wizard	×		
Ready to Install codeWRIGHTS				
The Setup Wizard is ready to begin the installation		WRIGHTS		
HART Communication FDT 1.2 DTM (V1.0.52) will be in	nstalled to:			
C:\Program Files (x86)\CodeWrights\CommD	TM\Hart Modem\			
Click Install to begin the installation. If you want to re installation settings, click Back. Click Cancel to exit th	eview or change any of your e Setup Wizard.			
< Bac	k Install C	ancel		

10.Click *Finish* to complete the installation.



#### **LCON** • Installation



Success	×
1	Installation completed successfully
	ОК



#### Installation Lütze DTM Driverr

4.4

- 1. Unzip the downloaded zip-file.
- 2. Start the installation by double clicking the *setup.exe* file.

Following window appears:

😌 User Account Control							
Do you want to allow this app from an unknown publisher to make changes to your PC?							
	Program name: Luetze_HART_DTM_1.00.1300_Setup.exe Publisher: <b>Unknown</b> File origin: Hard drive on this computer						
Show details Yes No							
	Change when these notifications appear						

Choose S	Setup Language	Х
Z	Select the language for this installation from the choices belo	W.
	English (United States)	
	OK Cancel	

3. Choose a language.





4. Follow the directions of the setup assistant. Click *Next* to proceed. Click *Back* to go one step back. Click *Cancel* to cancel the installation.

😸 HART Communication FDT 1.2 DTM (V1.0.52) Se	tup Wizard 🛛 🗙 🗙
Ready to Install	codeWRIGHTS
The Setup Wizard is ready to begin the installation	
HART Communication FDT 1.2 DTM (V1.0.52) will be	e installed to:
C:\Program Files (x86)\CodeWrights\Comm	DTM\Hart Modem\
Click Install to begin the installation. If you want to installation settings, click Back. Click Cancel to exit	) review or change any of your the Setup Wizard.
< <u>8</u>	ack <u>I</u> nstall Cancel



5. Click *Install* to start the installation.

闄 Luetze D	TM - InstallShield Wizard		_		×
Installing The prog	Luetze DTM ram features you selected are	being installed.			2
1 <del>7</del>	Please wait while the InstallS several minutes.	hield Wizard insta	lls Luetze DTM. This	s may take	
	Status:				
InstallShield –		< <u>B</u> ack	<u>N</u> ext >	Cance	el

#### 6. Click *Finish* to complete the installation.





#### Installation USB Driver

4.5

- 1. Unzip the downloaded zip-file.
- 2. Start the installation by double clicking *install.exe*.

Following window appears:

😽 Luetz	e LCON ZB USB Driver Installer		<b>—</b> ×
8	Luetze Luetze LCON ZB USB		
Instal	lation Location:	Driver Ver	rsion 6.5
C) <sup>1</sup>	Program Files\Luetze Software\U	SB\	
Cł	nange Install Location	Install	ancel

3. Click Install to start the driver installation.



4. Click **OK** to complete the installation.

If the driver is already installed, following window appears:



5. Click OK.



#### 4.5.1 Installation Check

- 1. Connect the converter via the USB cable with the computer.
- Open the window device manager: Start>Control Panel> Device Manager
- After a successful installation the *LCON ZB USB* appears under connectors.



# Connecting the converter via the LCON USB Cable

To configure the converter with the PACTware, connect the converter to the computer via the LCON USB Service cable (Part-No. 815900). Proceed as follows:

- 1. Open the front plate.
- 2. Push the front plate up.



Now connect the converter to the computer via the LCON ZB USB.



Connecting the *LCON ZB USB* the first time, the window *New Hardware found window appears.* 

- 4. Choose, *No not this time* and click *Next*.
- Choose Software installation automatically (recommanded) and click Next.
- 6. Click *Finish* to complete the installation.
- 7. If the driver is installed correctly, the LED on the USB connector flashes green.





- If changing the USB port on the computer the hardware assistant may start again
- The installation of the connected service cable can be controlled in the Device Manager under Ports (COM and LPT)



#### LCON - Connecting the converter via the LCON USB Cable



Link:

Start / Control Panel / Hardware and Sound / Device Manager



# Parameterization with PACTware

**NOTICE Possible error of the converter!** During the parameterization set the dip switch of the LCON Converter 817006 and 817002 to **OFF**.

#### 6.1 Create a Lütze Device/ Create a New Project

#### 6.1.1 Device Catalog

6

- 1. Choose *File>New* or click in the symbol bar.
- Click View>Device Catalog or press F3. The device catalog shows the installed DTMs.
- 3. Click *Update device catalog* to add the last installed DTMS.

PACTware								
File Edit	View	Project	Device	Extr	as			
i 🗋 💕 🔒		Toolbars		×	Ŋ			
Project	<b>~</b>	Status bar						
Device tag	<u></u>	Project	F2					
📕 HOST PC		Device catal	og F3					
📮 🚭 COM1		Plant view						
📜 LCON		Error monito	r					
		Diagnostic S	can					
		Clipboard						
LCON	ТА							

	DOVICONOC	Triberior Gribri		
S.EDS)	DeviceNet	Hilscher GmbH		
	PROFIBUS DPV 0	Hilscher GmbH		
1-DPS /-R	PROFIBUS	Hilscher GmbH		
	PROFIBUS DPV 0; P	Hilscher GmbH		
	CANopen	Hilscher GmbH		
(S.EDS)	CANopen	Hilscher GmbH	~	
1111				
Upd	ate <u>d</u> evice catalog	Info Add		



#### LCON - Parameterization with PACTware

All Devices	All Devices		
😭 CodeWrights GmbH	Device	A Protocol	Vendor
Hilscher GmbH	CB_AB32-DPS	PROFIBUS	Hilscher GmbH
Luetze	CIF104-COM	CANopen	Hilscher GmbH
Phoepix Coptact GmbH & Co	CIF104-COS (C04COS.EDS)	CANopen	Hilscher GmbH
Suetron Electronic GmbH	IF104-COS-R (C04COSR.EDS)	CANopen	Hilscher GmbH
	CIF104-DNM	DeviceNet	Hilscher GmbH
	CIF104-DNM-R	DeviceNet	Hilscher GmbH
	LIF104-DNS (C04DNS.EDS)	DeviceNet	Hilscher GmbH
	CIF104-DNS-R (C04DNSR.EDS)	DeviceNet	Hilscher GmbH
	CIF104-DPM	PROFIBUS DPV 0	Hilscher GmbH
	CIF104-DPM-R	PROFIBUS DPV 0; PI	Hilscher GmbH
	🕷 CIF104-PB	PROFIBUS DPV 0; PI	Hilscher GmbH
	CIF104-PB-E	PROFIBUS DPV 0; PI	Hilscher GmbH
	CIF104-PB-R	PROFIBUS DPV 0; PI	Hilscher GmbH
	CIF104P-COM	CANopen	Hilscher GmbH
	CIF104P-DNM	DeviceNet	Hilscher GmbH
	CIF104P-DNS (C04pdns.eds)	DeviceNet	Hilscher GmbH
	CIF104P-DPS	PROFIBUS; PROFIBI	Hilscher GmbH
	CIF104P-PB	PROFIBUS DPV 0; PI	Hilscher GmbH
	CIF30-COM	CANopen	Hilscher GmbH
	CIF30-COS (C30COS.EDS)	CANopen	Hilscher GmbH
	CIF30-DNM	DeviceNet	Hilscher GmbH
	CIF30-DNS (C30DNS.EDS)	DeviceNet	Hilscher GmbH
	CIF30-DPM	PROFIBUS DPV 0	Hilscher GmbH
	CIF30-DPS / CIF104-DPS /-R	PROFIBUS	Hilscher GmbH
	CIF30-PB	PROFIBUS DPV 0; PI	Hilscher GmbH
	CIF50-COM	CANopen	Hilscher GmbH
	CIF50-COS (C50COS.EDS)	CANopen	Hilscher GmbH
	CIF50-DNM	DeviceNet	Hilscher GmbH
and Produced	CIF50-DNS (C50DNS.EDS)	DeviceNet	Hilscher GmbH
Type   Protocol	CIF50-DPS	PROFIBUS; PROFIBI	Hilscher GmbH
oted devices too	<		

- Choose the device from the HART Communications list. The device connects the PC and device DTM.
- 5. Click *Add*. The device appears in the project window.
- 6. Choose from the device catalog the device for the parameterization.
- 7. Click Add.

COM-ENS (COMDNS-EDS)	DeviceNet	Hischer GröH
COM-DPM	PROFIBUS DPV 0	Hischer Gnört
COM OPS	PROFIBUS	Hischer GribH
COM/B	PROFIBUS OPV 0;	PI Hischer GebH
DIGRAIL (Donal100mod.eds)	CAlkipen	Luetze
ECI-DEB-DAS (Ecidns.eds)	DeviceNet	Hischer Grütt.
2 ECLOED-DPS	PROFIBLIS; PROFIL	51 Hischer Grött
HAR Communication	HART	Coderiet upt to God #1
2 1. PE DK	PROFERIS	Phoenix Contact GribH & Co
1. PEIEK DP/V1 (DIPE-OPF)	PROFIBUS	Phoenix Contact GribH & Co
2 1. PB 6K DP/V1 (0.0P6-0A)	PROFIBUS; PROFIL	BI Phoenix Contact GribH & Co
2 1.5 PE 24	PROFIBUS	Phoenix Contact Grabh & Co
LCON AA	HART-But	LOtze
LCON AALS	NART-Bus	Lütze
LCON AASP	HART-Bus	Lütze
LCON ALS	HART-Bus	Lütze

📑 All Devices	All Devices\Lütze			
🗈 🎧 CodeWrights GmbH	Device	 Protocol	Vendor	
Hilscher GmbH	LCON AA	HART-Bus	Lütze	
	LCON AALS	HART-Bus	Lütze	
	LCON AASP	HART-Bus	Lütze	
Phoenix Contact GmbH & Co.	LCON ALS	HART-Bus	Lütze	
	LCON TA	HART-Bus	Lütze	
	LCON TLS	HART-Bus	Lütze	



#### 6.1.2 Wizard

#### 1. Start PACTware.

The Wizard window appears after the start.

- 2. Choose the *Luetze LCON* under Templates by double clicking.
- 3. The *Luetze LCON* devices appear in the project window.

PACTware	
Templates	
HART Modem	
Wizarda	
Wizards	
Open	
C:(Programme)Luetze Sortware(D (LCON D1MS.PW4	
Additional files	
New project	
Show wizard when starting the program	Close

📑 Pi	ACTwa	re			
File	Edit	View	Project	Device	Extr
1	💕 🖌	3	Ð- 1 🖸		3
Proje	ect				<b></b> Ψ×
Devic	e tag				
🖳 Н	OST PC				
e 😜	COM1				
	🛄 LCOI	AA V			
	🛄 LCOI	N AALS			
	🛄 LCOI	AASP			
	🛄 LCOI	N ALS			
	🛄 LCOI	AT V			
·	🛄 LCOI	N TLS			

#### 6.1.3 DTM-Short Cut

1. Choose under windows: Start>Program> Lütze Software> DTMs> Start Project (PACTware)> Lütze DTMs.

PACTware opens automatically and the Lütze devices appear in the project window.



#### 6.1.4 HART Communication Parameterization

- 1. In the project window click with the right mouse button on *HART Communication*.
- 2. Choose *Parameter*. The reset settings appear.



3. Change the parameter as follow:

Communication interface	HART multiplexer		•
Serial Interface	COM8 (LCON ZB USB	)	•
	Baudrate	9600 💌	
	RTS Control	Toggle	•
HART protocol	Master	Primary Master	•
	Preamble	5 💌	
	Number of communication retries	3 💌	
Address scan	Start address	0 🔻	
	End address	15 💌	



#### **Online/Offline Parameterization**

6.2

It is possible to parameterize the devices in the online and offline mode. During the online mode the device is connected. During the offline mode the data will be written and saved in the database. Is a module connected and the HOST PC and converter are connected, data from the database can be transfered.

- In the project window click with the right mouse button on the particular device.
- Choose *Parameter* for the offline parameterization or *Parameter>Online> Parameterization* for the online parameterization.

PACTware						
File Edit	View Project	Device Extr	as W	indow	Help	
i 🗋 💕 🔒	🕘   🗗 - 📔 🔛	🔽 🗆 🥵	N IQ	11	1	*
Project		Ψ×				
Device tag						
📕 HOST PC						
🖻 🔄 COM1						
LCON A	Connect					
	Discopport					
	Disconnect			_		
	Get device stat	е				
💷 🧰 LC 와	Load from devi	e				
矽	Store to device					
	Parameter		•		Parame	terization
	Measured value				Online p	arameterization
	Simulation			-		
	Diagnosis					
	Print					

Following parameter window appears:





- 3. Choose the parameter names by double clicking.
- 4. Adjust the values. In the window on the right side

Following Settings can be made in the symbol bar:

- Hide range of indication
- B DTM help
- Link datasheet
- Load parameter from the database
- Transfer parameter in the database
- Read parameter from the device
- Transfer parameter to the device
- Collapse or expand tree view
- Esv export of the actual data



#### 6.3 User Administration

PACTware offers the possibility for user administration. 5 different password protected access rights can be defined:

- Observer
- Operator
- Maintenance
- Planning engineer
- Administrator
- 1. Click *Extras* in the menu bar.
- 2. Choose User Administration.

Extr	as	Window	Help
	Us	er administra	tion
	De	vice catalog	administration
	Op	tions	
	Ad	d-ins	

Following window appears:

3. Click *Change Password* to change the password.

📕 User administration		
Observer		Change password
Operator		Change password
Maintenance		Change password
Planning engineer		Change password
Administrator		Change password
	ОК	Cancel

Passw	ord Observer		×
-0	Password		
	Confirm password		
		OK Cancel	



#### 6.4 Display Measured Value

If the device is connected the recent measured values can be displayed. Measured values are:

- Input signals
- Output signals
- Temperature values and
- Switching state relay 1/2.
- 1. Click on the particular device with the right mouse button .
- 2. Choose *Measured value*.





# 7 Error Treatment

Error	Possible Reason	Procedure
Service cable <i>LCON ZB USB</i> is unknown.	Only PACTWare	Install the LCON HART DTM driver.
	The installation was started out of the zip-fi-le.	Unzip the zip-file and reinstall the PACTware.
	The operating system Windows 7 (64 Bit) is in use.	Additionally install the Silicon Labs Driver.
DTM-Driver are unknown in PACTWare		Open the device ca- talog by pressing F3. Choose <b>Update</b> <b>Device Catalog</b> . It is only possible for a closed project.
	LCON HART DTM Driver is not installed	Unzip the zip-file and proceed with the installation
LCON ZB USB LED does not light up	The LCON ZB USB is connected to a USB 3.0 port.	Connect the LCON ZB USB to a USB 2.0 port.



# Service

If you have any further questions regarding the product or our repairing service please contact us:

Friedrich Lütze GmbH Bruckwiesenstraße17-19 71384 Weinstadt - Großheppach Tel.: +49 (0) 7151 6053-545 Fax: +49 (0) 7171 6053-6545 info@luetze.de



# **Revision of the Document**





# www.luetze.com

