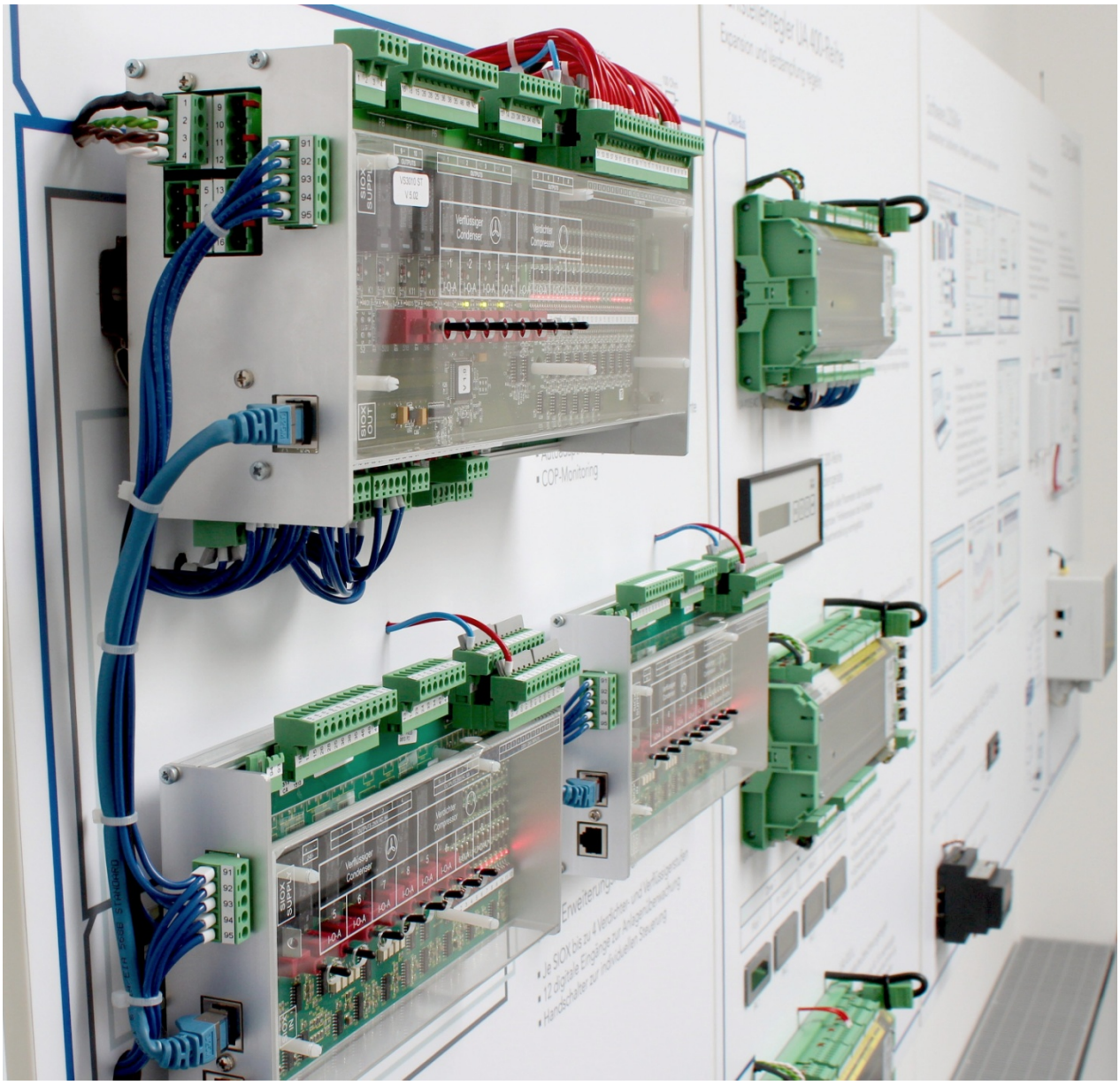
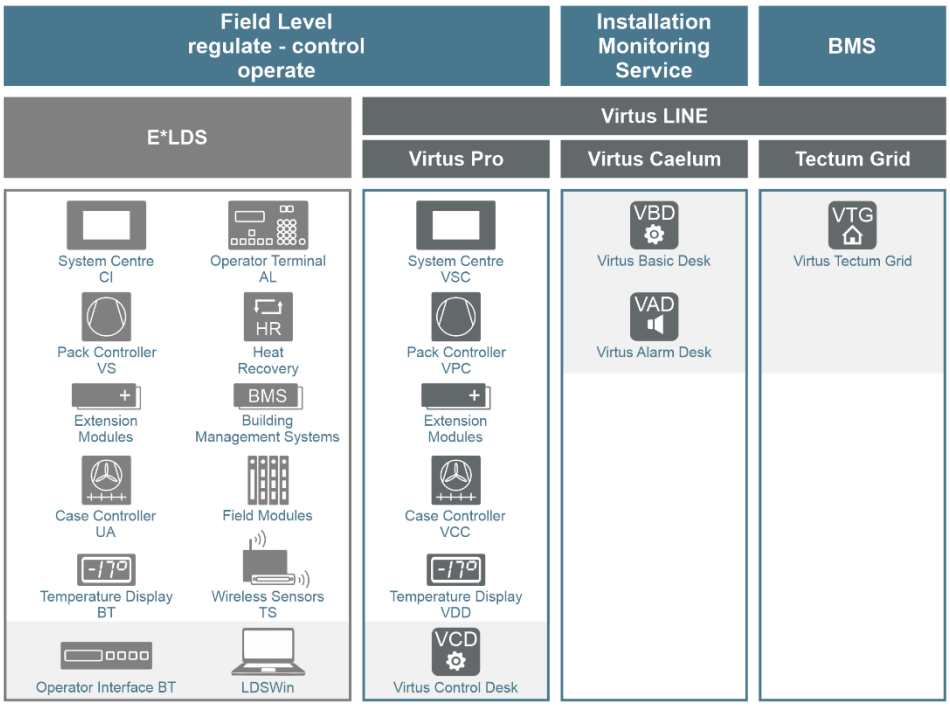
Eckelmann

E*LDS Training Program



E*LDS for systematic cooling



E*LDS is one of the leading technologies for the control, regulation and remote monitoring of commercial and industrial refrigeration systems. E*LDS consists of a comprehensive range of high performance refrigeration electronics, software and internet services.

Understanding E*LDS

Learn the proper use of E*LDS and get fit for its practical deployment – it is your knowledge that increases the efficiency of the refrigeration system.

In our 2-day seminars you will learn the fundamentals of deploying the E*LDS system in a practical context. The seminars are designed for refrigeration technicians, master engineers, installers or planners. We cater for your individual level of knowledge and answer your questions – in small groups of a maximum of 6-8 participants. Our experts, themselves refrigeration technicians with years of practical experience, competently guide you through the learning modules which have been optimised in terms of specialist knowledge and didactics. And in order to prevent the content remaining mere grey theory, we demonstrate the perfect interplay of all the essential components on the E*LDS training board. In addition, we deploy an interactive Smart Board as modern teaching tool.

And on our clever online documentation platform E°EDP you can repeat or study in greater depth the themes of the 2-day intensive training at any time.

Seminars in our multimedia E*LDS training centre in Wiesbaden can be individually scheduled at any time. You reach us under +49 611 7103-700 or elds-support@eckelmann.de.

Seminar Contents

Basics

- Configuration of the E*LDS system
- Functioning and installation of the CAN bus / Modbus

System Centre Virtus Family

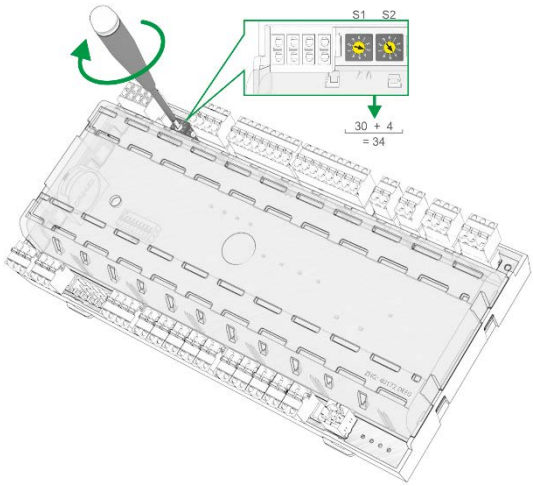
- Which tasks does the system centre perform
- Functioning, assignment of the terminals
- Operation and programming
- Extension of the system centre with SIOX modules for energy management and building control technology
- Possibilities of a system time manager, measuring energy consumption, load shedding and time switches

PC Software LDSWin

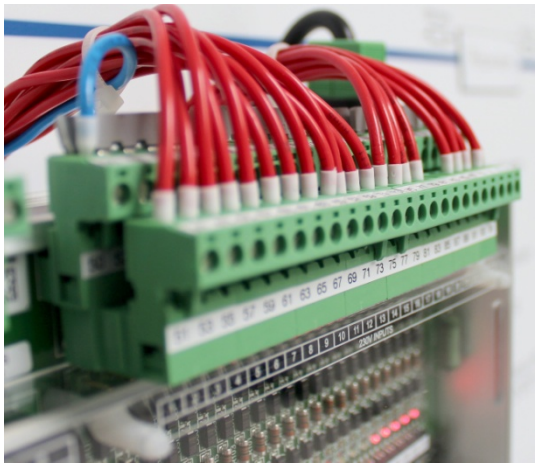
- Parameterisation of E*LDS components with the PC software LDSWin
- Creation of forms for analysis and evaluation
- Creating and configuring store layouts
- System centre check and setting alarm/ message destinations
- Consumption data capture, i.e. electricity, water, gas, heat, etc.
- Possibilities for system time switches
- Configuration of load shedding

Case controllers of the UA 400 series

- Range of applications: UA 400 E / UA 400
- Applications for NT refrigerated shelves, refrigerated display cases, LT cases, LT and NT rooms
- Operation and configuration of the case controller UA 400 / UA 400 E / UA 410 L
- The UA 400 universal controller in detail: Commissioning, configuration and connections
- Individual functions
- Integration of the BT 30 temperature displays
- Operation and parameterisation via system centre and PC software LDSWin



Exercises with practical examples, e.g. case controller UA 410 E



Pack controller VS 3010

Pack controllers of the VS 3010 series

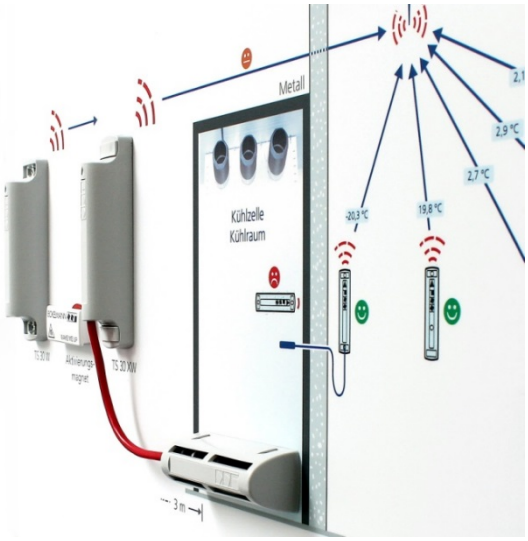
- Pack controllers and their applications (e.g. booster mode, cascade, R744 transcritical)
- Assignment of the VS 3010 terminals
- Extension of the pack controller with SIOX modules
- Coding of the VS 3010 via DIP switch
- Operation and parameterisation via system centre and PC software LDSWin

Practical exercises

- Exercises using E*LDS components
- Real-life fault scenarios and solutions

WR 300 receiver modules & TS 30 W / TS 30 XW wireless temperature sensors

- Functioning of the receiver module
- Assignment of the terminals
- Uses and applications
- Installation and commissioning tips



Wireless temperature monitoring

ECKELMANN

Your knowledge is important to us. We look forward to passing on our knowledge to you at your site or at our multimedia E*LDS training centre in Wiesbaden.

Appointments on request – just give us a call!

Our E*LDS team will be happy to assist you with your questions.

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Status: September 2022
Subject to change