

E*LDS System Centre CI 4000 Family



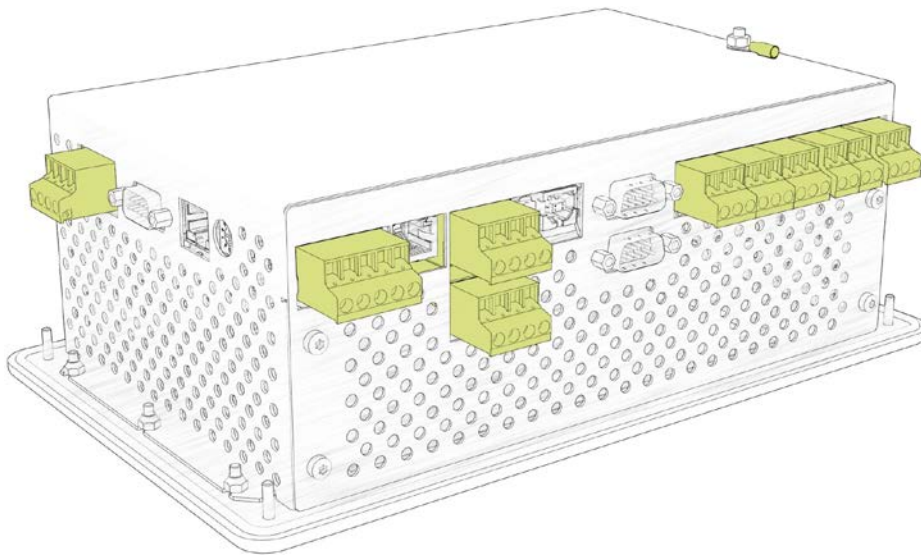
Special functions and features

- Intuitive touch operation for central parameter setting, configuration and display of operating data, messages and alarms for all E*LDS components
- Extensive wiring options, upgrade capability via licence key
- Data archiving (operating values, - states), EU-archive
- Remote monitoring and maintenance
- Individual alarming, inclusion of external alarms and transmission via modem or by text messaging
- XML interface, Modbus RTU
- Change user interface language at any time
- Interfaces for building automation
- Integrated webserver
- Energy and power recording (M-Bus or S0):
Balancing of different meter circuits,
differentiation of peak and low tariff
- Individual energy management:
 - Multistage external load shedding with external switching outputs
 - Cyclic recording of energy and power
- Extendable up to 4 extension modules SIOX possible (per SIOX 8 relay outputs and 12 digital inputs)
e.g. as universal timers with external switching output
- Compatible to CI 3000 / CI 3100
- Enhanced interfaces compared to CI 3100:
COM4, LAN/ Ethernet, 2nd CAN bus, USB ports
- Internal 230 V power supply

Order numbers

- KGLCI4000E CI 4000: S0-/M-bus meter, GLT
- KGLCI4100E CI 4100: CI 4000 + Modbus - compact controller
- KGLCI4400E CI 4400: CI 4100 + LAN/Ethernet
- KGLCI4500E CI 4500: CI 4400 + CAN-Bus-Repeater

Connection diagram CI 4000



Specifications

Electrical connection

- Operating Power: 230 V AC, 200 - 265 V AC / 47 - 63 Hz / 36 W

Interfaces

- Outputs
 - Relay: 3 changeover: 230 V AC / 6 A floating* for message / alarm systems; for each extension Module SIOX 4 changeover and 4 N.O. 230 V AC / 6 A
- Inputs
 - Digital: 2 x 230 V AC floating; for each extension module SIOX 12 x 230 V AC / 24 V S0 floating
Free configuration of all inputs as alarm inputs or energy meters
- Field bus:
 - CAN bus1 : Floating: data exchange with E*LDS controller components and integrated building automation
 - CAN bus2: Repeater function (only CI 4500)
- Data:
 - 2 x serial RS232 for local operation by PC, remote maintenance via modem, download and special functions, e.g. building control, other external systems, compact controller, M-Bus-Gateway for consumption data recording
 - 1 x RS485 (COM3 on combicon) for direct connection via Modbus to e.g. UA 30-compact controllers
 - 1 x RS232 (COM4) for Danfoss and Wurm
- Other:
 - 1 x LAN/Ethernet (CI 4400 or higher)
 - 2 x USB – host and slave – for firmware update/future use
 - Power Supply and data interface for up to 4 extension modules SIOX
- Archive memory: SD card (built-in)
- Real-time clock: Power reserve (lithium cell)
- Alarm signalling: Internal buzzer, 2 signal contacts (Prio1 and Prio2) and AUX relay free configurable
- Monitoring function: Watchdog

General data

- Dimensions: W 260 x H 160 x D 89 mm
- Temperature range transport / operation: -20 °C .. +80 °C / 0 °C .. +50 °C
- Relative humidity transport / operation: 8 % .. 80 % / 20 % .. 80 %
- Protection: Front with rubber gasket: IP54 otherwise: IP20 (panel mounting)
- Standards: Complying with EU Directives
89/336/EEC (EMC-Directive)
73/23/EEC (Low Voltage Directive)

* Output PRIO1 and PRIO2 with bi-stable relay and 5 minutes operating delay after switch-off

Eckelmann Group – Source of inspiration