Automations- und
Steuerungstechnik GmbH

Product description

CCEIB-SPS

The graphically programmable EIB-SPS with network interface

standard DIN rail mounting device
incl. engineering software und visualization
(unlimited copy licence),
OPC-Server, ActiveX and DLL
Order number: E001-K015001

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Contents

Functional range

- Logic basicfunctions
  - And up to 64 inpins
  - Or up to 64 inpins
  - Not
  - XOr
  - Bit XOr
  - Aquivalent
  - Equal
- FlipFlops (FFs)
  - DFlipFlop dynamic and static
  - DRSFlipFlop dynamic and static
  - RSFlipFlop
  - ToggleFlipFlop
  - CycleFlipFlop
- Edges
  - Edge up
  - Edge down
  - Edge up/down
  - Edge transaction
  - TA1 lock
- Sources
  - Const 32Bit
  - Const Float
  - Const Integer
  - Const Text
  - Random Integer
- Calculation
  - Addition [FP] up to 64 inpins
  - Subtraction [FP]
  - Division [FP]
  - Mod
  - Multiplication [FP] up to 64 inpins
  - Negate [FP]
  - Shift left
  - Shift right
  - Limit
  - Compare
  - (A-)Sinus, (A-)Cosinus, (A-)Tangens, Exp, Log10, Log E, Sqrt, Power
- Counter
  - Counter down none wrap
  - Counter up none wrap
  - Counter up/down none wrap
  - Counter down wrap
  - Counter up wrap
  - Counter up/down wrap
  - Counter none wrap up/down preset
  - Counter none wrap up/down preset remanent
- Time functions
  - Stop delay
  - Start delay
  - Start delay (reset)
  - Start delay (memory)
  - Puls
  - Puls (reset)
  - Puls Trigger
  - Puls Trigger [Start]

- Date functions
  - Read Date/Time
  - Set Date/Time
  - Split Date/Time
  - Combine Date/Time
  - Day of week
  - Week of year
  - Date period (ext)
  - Week of year period
  - Time period (ext)
  - Day of week period (ext)
  - Sec => sec,min,h,d
  - PI Set Date/Time
  - Time table range
  - Time table 1 room
  - Time table n rooms save
  - Time table n rooms check
- System
  - Set flag
  - Read flag
  - Subroutine start once
  - Subroutine start/stop
  - Time program once
  - Time program periodic
  - Status test
  - Email
  - Serial output (Date-Value)
  - SMS M20
  - Remanent set
  - Remanent get
  - Cycle counter
  - Integer ring buffer
- Compressor
  - Mux
  - Text muxltiplexer
  - Text format
  - Bit->Value
  - Value->Bit
  - Demux
- Scenes
  - Scene coded
  - Scene coded triggered
  - Scene uncoded
  - Scene uncoded triggered
  - Scene cod. trig teach
  - Scene uncod. trig teach
  - Scene storage [bits]/[fpt]
  - Scene number
- Regulator
  - 2P regulator
  - 2P regulator temp
  - 2P regulator temp eco
  - 3P regulator temp
  - 3P regulator temp 2hyst
  - P
  - PD
  - PI
  - PID
- Special

  - Bit checker
  - Dimming Standard
  - Dimming Enhanced
- Data logger
- User defined functions

Highlights

- Including an unlimited copy licence of EIB-visualization EIB-Control-Platform
- Including OPC-Server, ActiveX, EIB.VB and DLL
- Direct connecting on EIB (two wire)
- Direct ETS2 and ETS3 -data import. No extra files required
- The CCEIBSPS continuously keeps track of all data changes on the bus
- No delay- or initalization times for visualisation-systems due to bus data retrieval, the visualisation-system is served at LAN speed (100MBit/s)
- Visualisation-systems start up with actual values within seconds-rather than minutes or hours when using a standard serial interface
- Coupling of any EIB-World to Intranet/Internet by the common network protocol TCP/IP, OPC-Server available
- DIN-rail-mounting
- Firmwareupdates via network possible
- Stackability
- Direct coupling to Facility Management Systems using the OPC mechanism
- Up to 500 EIB-Control-Panels (virtual panel for PCs)
  or up to 8 Visualisation connections can be used at one time
- All groupaddresses are permanently monitored and
  this makes all actual values available!
- Full read- write access to groupaddresses
- Central functions are fully supported through emulation of the actuator objects
- No server PC required
  The EIB-SPS is an EIB server in the network
- Explicit polling of the actual values of groupaddresses possible
- Groupaddresses may be preset to distinct values
- Configuration is done via network.
- Integrated 230V-power supply
- Easy graphical programming of complex logics
- More than 100 ready to use function blocks for logic operations, time programs, regulation and much much more
- Climatic functions integrated

Fields of application of the EIB-SPS

- Remote controlling by an ISDN Router
- Server for the EIB-Control-platform
- Connecting the facility management system of your choice to the EIB
- Central intelligence for the EIB
- Realisation of nearly every complex function with the EIB

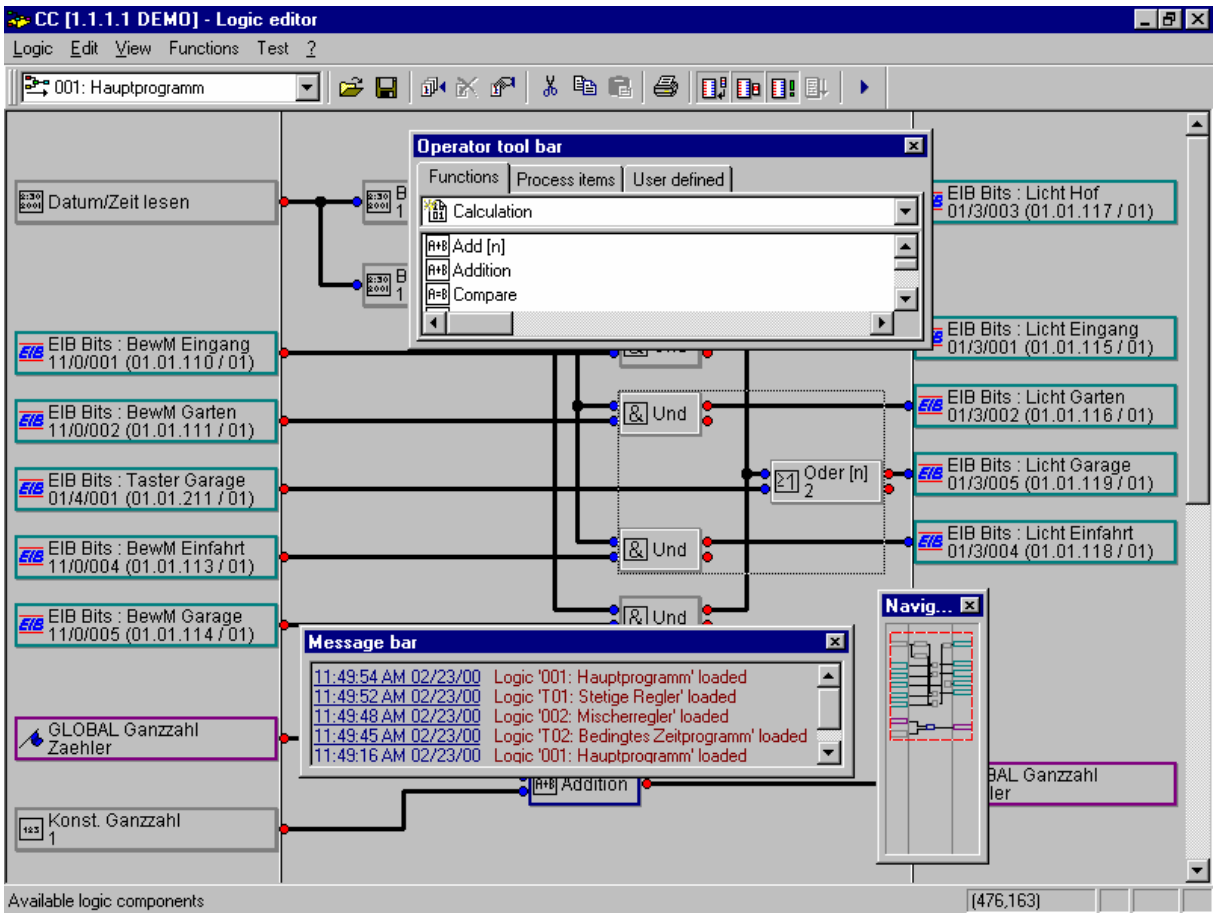
Package contents

- CCEIBSPS with EIB interface
- Software for programming the CCEIBSPS (Microsoft Windows 2000/XP)
- OPC-Server, ActiveX, DLL
- Visualization FIAVis with 500 process items
- Documentation

Introduction

The network interface of the b+b EIB Gateway is based on the Network protocol TCP/IP. This common network protocol is available for the operating systems Microsoft MS-DOS, Microsoft Window 3.11, Microsoft Windows 9x and Microsoft Windows NT. Besides of those Microsoft operating systems TCP/IP is supported by all common operating systems like UNIX (and variants of this, e.g. Linux), IBM OS/2 or Macintosh.

Easy realisation of complex funcs: graphical programming



It's possible to create complex solutions without knowing the EIB protocol. The CCEIB-SPS logic editor uses drag & drop and easy function linking by using the mouse. You don't have to write a line of code – it's all done graphically. And there's no need to connect your PC to the Bus with RS232 lines – the access is done using your network adapter so you can program it from big distances without even getting near the installation place.

Reduces the CPU usage of visualisation software and speeds up your EIB system

The EIB system will be faster than ever, because complex logical operations, which created a lot of telegrams in the past, will now be done within the CCEIB-SPS. Visualisations systems don't have to communicate directly to the EIB system anymore (using the slow serial connection), they can access all informations by using the network. And it's even possible to connect to different CCEIB-SPS devices simultanously.

World wide access to your EIB system

The CCEIB-SPS is using the TCP/IP internet protocol so even long range connections can easily be done with router and switches. Dial up solutions are possible with ISDN routers without problems.

Integration in visualizations, PLCs or other programs

For integration in visualizations or programs the following interfaces are available:

- DLL
- ActiveX
- OPC

Example of a CCEIB-SPS integration