



WAGO-I/O-SYSTEM 750

Libraries for Building Automation

Release Note and library version

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Every conceivable measure has been taken to ensure the correctness and completeness of this documentation. However, as errors can never be fully excluded, we would appreciate any information or ideas at any time.

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1 Release Note

10.05.2021 EnOcean 06.lib (V6.20)

- FbEnOcean_750_940_RS485 added for Gateway 750-940.

07.04.2021 DALI 647 04.lib (V4.23)

- Bugfix FbDaliMaster753_647, when the DALI Configurator tries to establish a connection to the 750-890 controller while the PLC is running.
- Bugfix FbDaliMaster753_647, when the DALI Configurator terminates the connection, the error code 204 no longer appears.
- Bugfix FbDaliAddressingSensor, when the number of instances is zero.

27.01.2021 RomutecModbusRTU 04.lib (V4.2)

- Bugfix: BUS-tec relay module control commands were sporadically not sent.

26.10.2020 MBUS 649 01.lib (V1.14)

- Bugfix FbUnitConverter

14.08.2020 MpBus 03.lib (V3.6)

- Nested comments in “FbMpBus22Rxxx_19_1” deleted

30.06.2020 EnOcean 06.lib (V6.19)

- Bugfix FbReadSensorFilterChannel: Read filter table entries after power up from Thermokon gateway STC65 RS485 EVC

21.04.2020 MBUS 649 01.lib (V1.13)

- Bugfix WAT28185 and WAT31617: FbMbusDecoder: Loop breaks integrated.

20.04.2020 DALI 647 04.lib (V4.20)

- Bugfix FbDaliPresenceSensor: Watchdog telegram resets tOffDelay correctly.

24.03.2020 DALI 647 04.lib (V4.19)

- Bugfix FbDaliSensorMemoryBank, that xReady doesn't change to TRUE inside an action.

13.02.2020 EAP Modbus 01.lib (V1.2)

- FbRBG1: Feature implementation, with "typSliderConfigRBG1.xToggleByLongSliderPress" it is possible that a log press on the slider will change the menu point (Setpoint or Fan stage)

17.12.2019 ThermokonWRF07.lib (V1.1)

- FbWRF07extended, FC2 not supported by WRF07/FW2, FC2 changed to FC1.

10.12.2019 DALI 647 04.lib (V4.18)

- FbDaliAbsoluteSensorQuery and FbDaliUniversalSensorQuery added

26.11.2019 BUILDING HVAC 03.lib (V3.21)

- FbPIDController2PIDSets: Value of rTn1 and rTn2 changed.

19.11.2019 RomutecModbusRTU 04.lib (V4.1)

- BUS-tec-modules, timeout-time increased.

05.11.2019 DALI 647 SpecialSensor 02-lib (V2.5)

- Bugfix FbSensorThebenHTS (Query Light Level)

05.11.2019 EnOcean 06.lib (V6.18)

- FbD21500_PeopleActivityCounter added.
- FbA50403_TemperatureHumiditySensor added

31.10.2019 MpBus 03.lib (V3.5)

- New function block "FbMpBus22Rxxx_19_1" added.

30.10.2019 DALI 647 04.lib (V4.17)

- FbDaliSensorMemoryBank added

21.10.2019 ThermokonJOY.lib (V1.1)

- FbJOY, Read variable for Config parameters added.

09.10.2019 ThermokonJOY.lib (V1.0)

- New library in order to integrate the Thermokon Room Operating Unit JOY via Modbus/RTU.

01.10.2019 SMI 163x 01.lib (V1.6)

- FbSMI_Motor: Up and Down will be set by Position telegrams.

30.09.2019 MBUS_649_01.lib (V1.11)

- Bugfix FuSecondaryAddress: Calculation correction.

25.09.2019 EnOcean_06.lib (V6.17)

- Bugfix FbD211xx: Data exchange.

23.09.2019 DALI_647_04.lib (V4.16)

- Bugfix FbConstantLightControl when cyclic send.
- Global Variable “xCheckStartCondition” is no longer supported
- Revised error handling at FbDaliMaster.

06.09.2019 EAP_Modbus_01.lib (V1.1)

- FbRBG1: Bugfix xSetSetpointTemp–Fan and Text-Handling

27.08.2019 BUILDING_HVAC_03.lib (V3.19)

- FbPIDController: Scaling of wY depends on rOutputMax and rOutputMin, like rY.

26.08.2019 WagoLibDaylightSaving.lib (V1.2)

- Moved to *zz_Previous_Version.zip*

26.08.2019 DaylightSaving.lib (V1.2)

- Moved to *zz_Previous_Version.zip*

26.08.2019 KNX_IP_750_849_01.lib (V1.0)

- Moved to *zz_Previous_Version.zip*

26.08.2019 KNX_Standard.lib (V1.7)

- Moved to *zz_Previous_Version.zip*

26.08.2019 Winsta_BC_02.lib (V2.1)

- Moved to *zz_Previous_Version.zip*

12.08.2019 RomotecModbusRTU_04.lib (V4.0)

- RomotecModbusRTU_04.lib substitutes the RomotecModbusRTU_03.lib
- FbRBT40, FbRBT50: In- and Output variables renamed

06.08.2019 BUILDING HVAC 03.lib (V3.18)

- FbHxControl: Round-function renamed in RoundHxField-function

31.07.2019 ThermokonWRF08.lib (V1.3)

- Changed fan level variable from “bLevel” to “wLevel”.

12.07.2019 WagoBuilding 01.lib (V1.22)

- Bugfix FbMacroConstantLightControl: Change in automatic mode after a manual override with the last manual dimming value.

11.06.2019 EnOcean 06.lib (V6.16)

- New function blocks added:
FbD2010E, FbA52004 and FbA52006.

03.06.2019 Genibus 01.lib (V1.4)

- Bugfix startup behaviour of FbGENIbusMagna_Pump after power failure.

27.05.2019 EAP Modbus 01.lib (V1.0)

- Release of new library for EAP-ROUs.

11.04.2019 DALI 647 04.lib (V4.14)

- FbDaliLightSensorQuery has detected a wrong light level when the watchdog time has expired.

10.04.2019 BACnet 02.lib (V.2.8)

- New Version of BACNETOBJECTS.EXP added:
Renamed Loop-Property “*Manipulate_Variable_Reference*”.

10.04.2019 EnOcean 06.lib (V6.15)

- FbThermokonSTC65_RS485_EVC:
Watchdog for bidirectional communication added.

10.04.2019 MBUS 649 01.lib (V1.10)

- Bugfix FbMbusDecoder. Extended error handling added, related to Finder consumption meter 7E.56.8.400 0030.
- FuUnitConverter changed in FbUnitConverter.

22.03.2019 RomutecModbusRTU 03.lib (V3.4)

- Write Analog values (RBT40/RBT50) only once per cycle.

21.03.2019 DALI 647 04.lib (V4.13)

- New feedback code 26 (Application Controller Disabled) added
- FbShowActualLevel checks the existing short address when evaluating the actual value

14.03.2019 RomutecModbusRTU 03.lib (V3.3)

- Changed variables for typRBT2LevelSwitch

05.02.2019 DALI 647 04.lib (V4.12)

- The display of existing short addresses is no longer cleared if the module returns an error

01.02.2019 SMI 163x 01.lib (V1.5)

- Calculation correction of the lamella position (WAT28697)

21.01.2019 SMI 163x 01.lib (V1.4)

- Fast position reading in safety position mode. (WAT28540)

04.01.2019 WagoBuilding 01.lib (V1.21)

- Bugfix FbTwilightControl: Didn't work if dim value for twilight and sunrise are the same

19.12.2018 DALI 647 04.lib (V4.11)

- Bugfix FbStatusControlGears. Available short addresses will only be updated after reading

26.11.2018 DALI 647 04.lib (V4.10)

- New error codes
- Bugfix FbConstantLightControl, if no new setpoint has been determined before dimming.
- FbDaliLightSensor automatic query light level after timeout disabled
- New FbDaliLightSensorQuery with calculation of the resolution and query light level after timeout

08.11.2018 MBUS 649 01.lib (V1.9)

- Bugfix FbMbusDecoder. Not all unit codes were decoded correctly

18.10.2018 MBUS 649 01.lib (V1.8)

- Bugfix FuSecondaryAddress countervariable.

12.10.2018 BUILDING HVAC 03.lib (V3.17)

- FbAnalog3Point, option do disable overdriving in upper and lower position.

20.08.2018 EnOcean 06.lib (V6.14)

- Bugfix FbShow_ID_ByClick, amount of clicks incorrect.

08.08.2018 SMI 163x 01.lib (V1.3)

- Bugfix changed function of “Move to shadow position).

07.08.2018 RomutecModbusRTU 03.lib (V3.2)

- BusTec-Modules will get the datas after a Modbus error again.
- Now it is possible to change the BusTec-Module-Timeout (Default 10sec.), see *typRomutec.iTimeOutModules*.

16.07.2018 DALI 647 04.lib (V4.9)

- Bugfix FbDaliConstantLightControl: Cyclical transmission was deactivated if a new reference value is to be determined
- Bugfix FbRawDatPushbuttonSensorType2: Not all events was shown at the output
- Bugfix FbDaliShowActualValue: Feedback 103 was not reset.

04.07.2018 MBUS 649 01.lib (V1.7)

- FuSecondaryAddress added for secondary addresses.

22.06.2018 DMX 02 (V2.1)

- Global variable *MAX_Modules* reduced to 10 (WAT 26650)

06.06.2018 SMI 163x 01.lib (V1.2)

- Bugfix FbSMI_Motor_163x: Position of lamella can now be changed during “ShadowPostion” and BlindPosition = 100%

05.06.2018 DALI 647 04.lib (V4.8)

- FbMaster753_647 sets receiver bit timing also in FW05 and FW06 modules.
- FbDaliPushbuttonSensor added.

23.05.2018 RomutecModbusRTU 03.lib (V3.01)

- New function blocks for the robutech-system added.
- Bugfix BUS-tec modules, Outputs will not be set if Modbus errors are available

23.05.2018 EnOcean 06.lib (V6.13)

- New function block added:
FbA514xx_WindowDoor_SingleInputContact supports the EEPs:
A5-14-01, A5-14-02, A5-14-03 and A5-14-04.

17.04.2018 MpBus 03.lib (V3.4)

- Bugfix FbMpBusEnergyValve: Temperatures now be handled as signed variables.

11.04.2018 EnOcean 06.lib (V6.12)

- New function block added – FbA513xx_Universal
A function block for all A5-13-XX telegrams.

11.04.2018 BUILDING HVAC 03.lib (V3.15)

- New function block added - FbVolumeFlowRegulator

06.04.2018 ThermokonWRF08.lib (V1.2)

- Changed Enumeration for simultaneous use of the Thermokon.libs

06.03.2018 MBUS 649 01.lib (V1.6)

- Bugfix FbMBusStatus: ShortCircuit was not read out correctly

26.02.2018 BACnet 02.lib (V2.8)

- FbBACnetSchedule
Change of value on Input dwInstance will read the Entries
- Export data *BACnetObjects.EXP* updated,
Alarm Value and Fault Value in Multistate Output deleted.

13.02.2017 DALI 647 04.lib (V4.7)

- FbMaster753_647 sets receiver bit timing in FW04 modules.
- Bugfix FbDaliConfigLightSensor - Event Scheme was not set.
- Bugfix for Sensor Type 1 and Standard Sensor with Address Bit 5.

09.02.2018 BUILDING HVAC 03.lib (V3.14)

- FbPIDController – Output wY will be scaled between 0-32767 regardless of rOutputMax und rOutputMin.

09.02.2018 SMI 163x.lib (V1.1)

- Bugfix FbSMI_Motor_163x

16.01.2018 SMI 02.lib (V2.3)

- Moved to *zz_Previous_Version.zip*

15.01.2018 BACnet 02.lib (V2.7)

- Bugfix FbBACnetSchedule
Changed error handling for schedules which are not available.

08.12.2017 BUILDING HVAC 03.lib (V3.13)

- FbAnalog3Point - the output xOpen will now directly drive to the end position of rInput if the reference drive is finished.

28.11.2017 KNX 02.lib (V2.10)

- Timing improvement for receiving KNX signals

23.11.2017 Enocean 06.lib (V6.10)

- Changed license info in order to support new target IDs

23.11.2017 WagoBuilding 01.lib (V1.19)

- Changed license info in order to support new target IDs

23.11.2017 Scheduler 03.lib (V3.5)

- Changed license info in order to support new target IDs

23.11.2017 ColourConverter 01.lib (V1.4)

- Changed license info in order to support new target IDs
- Bugfix FbColorCrossFader

23.11.2017 MpBus 03.lib (V3.3)

- Changed license info in order to support new target IDs

23.11.2017 BUILDING HVAC 03.lib (V3.12)

- Changed license info in order to support new target IDs

03.11.2017 BUILDING HVAC 03.lib (V3.11)

- Better Handling of FbRedundancyUnits.

05.09.2017 KNX 02.lib (V2.8)

- Bugfix FbKNX_Master_646_TM
READ-response were not received

28.08.2017 BACnet 02.EXP

- New German BACnet_Scheduler visualizations added

27.07.2017 BACnet 02.lib (V2.6)

- Bugfix FbBACnetSchedule
Midnight entries (00:00:00) with datatype differently to Null will move
back to the last midnight entry with Null

27.07.2017 SMI 163x 01.lib (V1.0)

- New library SMI_163x_01.lib for the SMI Master Module 753-160x
added
- New SMI_163X_01_DE.EXP added.
Visualization for configuration
- New SMI_163X_01_EN.EXP added.
Visualization for configuration

07.07.2017 WeatherForecast HKW 01.lib (V1.1)

- Bugfix FbHKW_WeatherStationCompact
- New function block FbHKW_SearchCity added

06.07.2017 KNX 02.lib (V2.7)

- New function block FbKNX_Master_646_TM for the transparent
mode added

06.07.2017 BACnet 02.lib (V2.5)

- Bugfix FbBACnetNative_AO
xNull/bPriority were not sent by change of value

06.07.2017 MBUS 649 01.lib (V1.5)

- New library MBUS_649_01.lib for the M-Bus Master Module 753-649
added

06.07.2017 MBus 03.lib (V2.4)

- Moved to *zz_Previous_Version.zip*

04.07.2017 EnOcean 06.lib (V6.8)

- New function block FbA51409_Window_DoorSensor added

28.06.2017 EnOcean 06.lib (V6.7)

- Bugfix FbA510xx_RoomOperatingPanel
Relative humidity was displayed as negative number

26.06.2017 BACnet 02.lib (V2.4)

- New function block FbBACnetSchedule added
- New function block FbBACnetSchedule_small added
- New function block FbBACnetTimeBeforeOperation added
- New BACnet_02.EXP.
Visualisation for BACnetScheduler added

19.06.2017 DALI 647 04.lib (V4.6)

- New feature for FbDaliPresenceSensor and FbDaliLightSensor.
When the Watchdog time elapsed, the function block sends a query command to the sensor.
- New DALI_647_04.EXP.
Visualisation for Device Type 1 (Emergency Lighting) added
- Bugfix Fb_ConfigEmergencyLighting
The Emergency Status wasn't deleted, when the short address isn't available.
- New feature for FbDaliPresenceSensor
When "tOffDelay" = t#0s", the function block reacts on a stop event from the sensor.
- New function block FbDaliWrite_XY_CoordinateScene

19.06.2017 DALI 647 SpecialSensor 02.lib(V2.3)

- New feature for FbSensorSteinel and FbSensorThebenHTS.
When the Watchdog time elapsed, the function block sends a query command to the sensor.
- Bugfix PrgDaliConfigThebenHTS. In some cases the "Acknowledge" dialog doesn't appear.
- New DALI_647_SPECIALSENSOR_02.EXP.
Scaling for the configuration of the Steinel Sensors added.

08.06.2017 Genibus 01.lib (V1.3)

- This version eliminates problems at using several Genibus lines which might occurred with the previous version.

06.06.2017 EnOcean 06.lib (V6.6)

- New function block FbThermokonSTC65_RS485_EVC_Config added.
- Bugfix FbD211xx_RoomOperatingPanel.

29.05.2017 MpBus 03.lib (V3.2)

- New function block FbMpBusEPIV_6way_valve added.
- New function Fu_NTC10K added.
- Bugfix FbMpBusCommand.

10.05.2017 DALI 647 SpecialSensor 02.lib(V2.2)

- Bugfix FbSensorThebenHTS and FbSensorSteinel, when tWatchdog = t#0s.

10.05.2017 DALI 647 04.lib(V4.5)

- Bugfix FbDaliLightSensor and FbDaliPresenceSensor, when tWatchdog = t#0s.

09.05.2017 BUILDING HVAC 03.lib (V3.10)

- New function block FbRedundancyUnits added

04.05.2017 DALI 02.lib(V2.14) & DALI 02.EXP

- Moved to *zz_Previous_Version.zip*

04.05.2017 DALI EmergencyLightning 01.lib(V1.2)

- Moved to *zz_Previous_Version.zip*

24.04.2017 DALI 647 04.lib(V4.4)

- Bugfix FbMaster753_647

13.04.2017 DALI 647 04.lib(V4.3)

- FbDaliMaster indicates when the DALI-Multi-Master Module isn't available.
- FbDaliIdentifySensor modified, so that during the identification the short addresses could be changed.

- Bugfix FbDaliConfigLightSensor and FbDaliConfigPresenceSensor

12.04.2017 DMX_02.lib(V2.0)

- New library DMX_02.lib substitutes the library DMX_01.lib
- DMX Master or Slave feature is supported

23.03.2017 DALI_647_SpecialSensor_02.lib(V2.1)

- Bugfix: FbConfigSteinel
- Bugfix: FbConfigThebenHTS
- Bugfix: Query Light level FbSensorSteinel
- Bugfix: Visualisation DALI_647_SpecialSensor_02.exp

23.03.2017 DALI_647_04.lib(V4.2)

- Improvement FbConstantLightControl, when the new reference value will be calculated.
- Bugfix: Visualisation DALI_647_04.exp

20.03.2017 Genibus_01.lib (V1.2)

- New function block Fb_Magna3_Pump added
- New function block Fb_Magna3_HeatEnergy added
- New function block FbGeni_Get_MeasuredData_32Bit added

20.02.2017 DALI_647_04.lib (V4.1)

- Master with inputs and outputs for linking the process image directly reintegrated.

20.02.2017 MpBus_03.lib (V3.1)

- New library substitutes MpBus_02.lib.

07.02.2017 EnOcean_06.lib (V6.4)

- Bugfix: 750-642-module handles the 4-byte-telegrams now correct.

30.01.2017 ColourConverter_01.lib (V1.2)

- New function block FbCCT_control added
- Bugfix function block FbColorFader and FbColorCrossFader

19.01.2017 DALI 647 SpecialSensor 02.lib (V2.0)

- New library substitutes DALI_647_SpecialSensor_01.lib and works only with the DALI_647_04.lib.

19.01.2017 DALI 647 04.lib (V4.0)

- New library substitutes DALI_647_03.lib.

22.11.2016 Building HVAC 03.lib (V3.9)

- Add new function block FbHxControl

19.12.2016 DALI 647 03.lib (V3.1)

- Bugfix in function block “FbMultiSensorType1”: Output values were not available.

28.11.2016 DALI 647 SpecialSensor 01.lib (V1.0)

- New library for connecting “Steinel LiveLink” sensors and “Theben HTS PlanoSpot 360 DALI” via DALI

28.11.2016 DALI 647 03.lib / DALI 647 PFC 03.lib (V3.0)

- KBus.lib integrated into Master function block
- New library DALI_647_03.lib substitutes the following libraries: “DALI_647_SensorType1_02.lib”, “DALI_647_SensorType2_02.lib”, “DALI_647_ColourControl_02.lib”, “DALI_647_EmergencyLighting_02.lib”
- FbAddressingSensorType2: MSensor-Mini Broadcast integrated
- FbConfigMultiSensorType2: LegalAddresses is queried, MSensor-Mini Broadcast integrated
- Integration of DALI 2 Standard sensor

22.11.2016 Building HVAC 03.lib(V3.7)

- Improvement of FbStartStopHeatingCircuit. The variable “xAutoCalibration” can be deactivated manually.
- Bugfix FbHeatingCharacteristic: Limit function, if rCurve is zero.

18.11.2016 KNX 02.lib (V2.5)

- Bugfix in calculation of 2Byte_float DTP

17.11.2016 EnOcean 06.lib (V6.2)

- New EnOcean Equipment Profile D2-11-xx added (SMART-ACK)
- Mod_com.lib data access is replaced by WagoLibKBUS.lib
- Bugfix: FbD500xx_ContactsAndSwitches : Output value fixed
- Bugfix: FbA510xx_RoomOperatingPanel: Set point correction fixed

28.09.2016 EnOcean_06.lib (V6.1)

- Decoding in Gateway with compatibility mode for 4BS fixed

16.09.2016 ColourConverter_01.lib (V1.0)

- Colour effects and converter library.

16.09.2016 EnOcean_06.lib (V6.0)

- New EnOcean lib supporting Smart ack.
- This library is not compatible with the old EnOcean library.

14.09.2016 Visu Scheduler_03_e.lib (V3.4)

- Equalize to Scheduler_03.lib (V3.4)

14.09.2016 Visu Scheduler_03_d.lib (V3.4)

- Equalize to Scheduler_03.lib (V3.4)

13.09.2016 WagoBuilding_01.lib (V1.17)

- Bugfix: Dimmer single button functional bugfixes.

24.08.2016 ThebenKNX_DALI_02.lib (V2.3)

- Bugfix: switching object did write to KNX bus after received switch telegram on same object.

29.06.2016 WagoBuilding_01.lib (V1.14)

- Bugfix: Exponent parameter in dimmer functions fixed.
- Bugfix: Dimm direction of single button with feedback signal fixed.
- Bugfix: Calculation of dim period in dimmer functions refactored.

23.06.2016 Scheduler_03.lib (V3.4)

- Bugfix: Orthographic mistake fixed.

12.05.2016 WagoBuilding_01.lib (V1.9)

- Bugfix: SlatTracking Parking position keeps true, when out of angle range
- Feature: SingleButton now react on dim direction of feedback signal

26.04.2015 KNX 02.lib (V2.4)

- This version eliminates an initialisation problem, which might occur with the previous version. ETS5 application download could be interrupted.

05.04.2016 WagoBuilding 01.lib (V1.8)

- Bugfix: CalculateSunriseSunset daylight saving time is now correctly integrated

30.03.2016 DALI 647 SensorType2 02.lib (V2.3)

- Bugfix FbLocateSensorType2: Locate sensors with broadcast address “255” was added.
- Bugfix FbMultiSensorType2: Besides the remote control RC6 the remote control RC5 was added.

30.03.2016 DALI 647 SensorType1 02.lib (V2.3)

- Bugfix FbLocateSensorType1: The check for the correct address was added.

21.03.2016 WagoBuilding 01.lib (V1.7)

- Bugfix: CalculateSunPosition with negative Longitude and CalculateSunriseSunset calculation corrected through round with infinitely constants

24.11.2015 WagoBuilding 01.lib (V1.5)

- Feature: Second Time Out Parameter in wind alarm can be used to evaluate sensor connection.

13.11.2015 WagoBuilding 01.lib (V1.4)

- Bugfix in maintenance function of sunshade actuator.

03.11.2015 WagoBuilding 01.lib (V1.3)

- Bugfix: Fu10Point linearization fixed.

02.11.2015 ThiesModbusWeatherSensors 01.lib (V1.0)

- New library for THIES weather sensors.

02.11.2015 Visu Scheduler 03 d.lib (V3.3)

- New folder structure. Sorted by associated function blocks.
- Numpad visu pages were added. They are similar to the “normal” pages, only Numpad function was added at the input fields.

02.11.2015 Visu Scheduler 03 e.lib (V3.2)

- New folder structure. Sorted by associated function blocks.
- Numpad visu pages were added. They are similar to the “normal” pages, only Numpad function was added at the input fields.

30.10.2015 DALI 647 02.lib (V2.5)

- Actual dim value gets synchronised cyclic with module database.
- Existing short addresses get checked when reading dim values. Not existing addresses are set to invalid value (over 100%).
- Add new option in dimmer single button to determine dim direction after switch on.

23.10.2015 Scheduler 03.lib (V3.3)

- Bugfix in calculation of daylight saving in FuDT_LocalTime
- FbTime_RTC_Module is removed from build because of compatibility reason with PFC controller 750-820x
- Add new function block FbTime_RTC_Modul_640
- FuDT_To_DetailTime has extended output data (bWeekday)

14.09.2015 DALI 647 SensorType2 02.lib (V2.2)

- Bugfix: FbSortAddressesSensorType2 (intern) by clicking on „Assign“, the module number will be saved correct now.
- FbAddressingSensorType2: Push button coupler will be set automatically into “Active Mode” after addressing.

11.09.2015 DALI 647 SensorType1 02.lib (V2.2)

- Bugfix: FbAddressingSensorType1 Protocol ID from 67 to 35 changed.
- Bugfix: FbSortAddressesSensorType1 (intern) by clicking on „Assign“, the module number will be saved correct now.

31.08.2015 WagoBuilding 01.lib (V1.2)

- Bugfix: FbSlatTracking did retrigger parking position out of azimuth range.
- Bugfix: bPartitionWallSunshadeControl did not work with permanent signals and could watch to wrong addresses after Online-Change.

25.08.2015 DALI 647 EmergencyLighting 02.lib (V2.0)

- This library replaces DALI_647_EmergencyLighting_01.lib
- EXP data for CODESYS visualisation also updated
- Emergency lighting library using DALI_647_02.lib as reference library

20.07.2015 EnOcean 05.lib (V5.4)

- All Function blocks wait for telegram update then calculate the data bytes accordingly.
- Default value for temperature is set to 20.0 °C

16.07.2015 Building HVAC 03.lib (V3.5)

- Bugfix: FbLowPassFilter calculations of negative output values were wrong.

25.06.2015 Building HVAC 03.lib (V3.4)

- Bugfix FbPIDController when xChangeInDirection is activated.
- The decimal places are now configurable for the FbImpulseCounter and all FbLowPassFilter function blocks.
- Bugfix FbPump_FC during follow-up time.

15.06.2015 WagoBuilding 01.lib (V1.1)

- Bugfix: Recovery-function of FbAdvancedLatchedRelay did not work with last recovery value.

15.06.2015 DMX 01.lib (V1.1)

- The util.lib is removed from the library.
- FbDMX_ChangeChValues fixed for failing to update channel values simultaneously.

12.06.2015 DALI 647 02.lib (V2.3)

- Bugfix: xReady from FbSceneConfig, when xSendOnDelta is deactivated
- Export file for visualization adapted: DALI_647_02.EXP

12.06.2015 DALI 647 SensorType2 02.lib (V2.1)

- New function block: FbAddressingSensorType2
- New function block: FbLocateSensorType2
- New program: PrgDALIConfigSensorType2
- New Export file for visualization created:
DALI_647_SensorType2.EXP (only applicable in cooperation with
DALI_647_02.EXP)

12.06.2015 DALI 647 SensorType1 02.lib (V2.1)

- New function block: FbAddressingSensorType1
- New function block: FbLocateSensorType1
- New program: PrgDALIConfigSensorType1
- New Export file for visualization created:
DALI_647_SensorType1.EXP (only applicable in cooperation with
DALI_647_02.EXP)

03.06.2015 WagoBuilding 01.lib (V1.0)

- New library WagoBuilding_01.lib substitutes the
Gebaeude_allgemein.lib and the Building_Common.lib

06.05.2015 KNX 02.lib (V2.3)

- Bugfix: Optional RETAIN data (typDPT) was overwritten when using
KNX-TP1 module 753-646.

14.04.2015 BACnet 02.lib (V.2.3)

- This version eliminates an initialisation problem, which might occur with the previous version at FbBACnetPriorityArray_AV and FbBACnetPriorityArray_BV.

02.04.2015 MBus 03.lib (V2.4)

- Changed receive buffer size from 255 to 261 bytes. The consumption meter Kamstrup Multical 602 needs this extended buffer size.

17.03.2015 MpBus 02.lib (V2.7)

- Changed error handling in FbMpBusRoomSensor
- Changed error handling in FbMpBusEnergyValve

20.02.2015 SMI 02.lib (V2.3)

- Update of manufacturer IDs in visualization objects

10.02.2015 KNX 02.lib (V2.2)

- Bugfix: Hardware type was not written correctly by FbKNX_Master_646 when controller 750-889 was used.

04.02.2015 DALI 02.lib(2.14)

- Bugfix: FbDALI_DimmEasy, FbDALI_DimmSingleButton and FbDALI_LatchingRelay have stored the last reference value, when changing from group commands to short addresses.

05.01.2015 DALI 647 02.lib und DALI 647 PFC 02.lib(V2.2)

- The FbStatusControlGear acknowledged the Error Code 5 automatically.
- Bugfix: The FbConstantLightControl didn't switch off the light, when the min. dim level is reached.

25.11.2014 ThebenKNX DALI 02.lib (V2.1)

- New library ThebenKNX_DALI_02.lib substitutes the library ThebenKNX_DALI_01.lib
- This library is based on the DALI module 753-647 and the new KNX library KNX_02.lib.

28.10.2014 KNX 02.lib (V2.1)

- Bugfix: Data points of 750-889 IP-Controller were not synchronized correctly when a second KNX-module 753-646 was used.

17.09.2014 KNX 02.lib (V2.0)

- New library KNX_02.lib substitutes the KNX_Standard.lib

17.09.2014 KNX Standard.lib (V1.7)

- Changed data structure typKNX and extended global variables in order to simplify replacement of 750-849 controller by 750-889 controller

15.09.2014 DecodeFlexweather 01.lib (V1.0)

- New library for decoding signals received from flexROOM® Weather

15.09.2014 RomutecModbusRTU 02.lib (V2.2)

- New function blocks FbBDH1403, FbBDH2203, FbBAH4001 and BDH1402

19.08.2014 DALI 647 02.lib(V2.1) and DALI 647 PFC 02.lib

- Cyclic query of the module status
- Performance improvement of FbDaliConstantLightControl

26.06.2014 DALI 647 02.lib (V2.0)

- The library replaces DALI_647_01.lib
- The function block interfaces “bAddress”, “xGroup” and “bModule_753_647” were centralized in the data type “typBallast”.
- The function block “FbMaster753_647_IPC was removed.
- The interface “xSetSelected” was added in the function block “FbDaliOperatingHours”.
- Changes in the function block “FbDaliConfigConstantLightControl”:
 - Bugfix at the interface “xToggle”.
 - The new reference value will be detected 30s after dimming.
- The following function blocks were added:
 - FbDaliMemoryBank
 - FbDaliSendFadeRate
 - FbDaliSendFadeTime
 - FbDaliStoreActualValueAsScene
 - FbDaliShowActualValue

- FbDaliSwitchPowerSupply
- FbDaliRestoreLastDimmValue

26.06.2014 DALI 647 PFC 02.lib (V2.0)

- Special version of DALI_647_02.lib for the PFC200 controller.

26.06.2014 DALI 647 SensorType1 02.lib (V2.0)

- The library replaces DALI_647_SensorCoupler_01.lib

26.06.2014 DALI 647 SensorType2 02.lib (V2.0)

- The library replaces DALI_647_Msensor_01.lib

26.06.2014 DALI 647 ColourControl 02.lib (V2.0)

- New library to control DALI Device Type 8 luminaires

06.05.2014 MpBus 02.lib (V2.6)

FbMpBusVAV: Changed value range of input rMaxAirVolume

05.05.2014 EnOcean 05.lib (V5.3)

- Visualization property of “Config_Thermokon_STC_VISU_PH” is set to “Visualization without master layout”.
- Output rTemperature of the following FBs are initialized with default value 20 i.e. 20°C.
 - FfbA502xx_TemperatureSensor
 - FbA510xx_RoomOperatingPanel
 - FbA52001_BatteryPoweredActuator
- Error in data decoding in the following function blocks are fixed.
 - FbA51303_DateExchange
 - FbA51304_TimeAndDayExchange
- The function block FbA504xx_TemperatureHumiditySensorSupport now support Eltako FAFT60 & FIFT63AP (A5-04-02/ 07-04-02.). This profile is NOT according to EEP2.1 and EEP2.6 specifications

14.03.2014 DALI 647 01.lib (V1.4)

- At each function block the Input “bModule_753_647” is limited between 1 and MaxModules.
- The scene number of the FbSceneConfig is limited between 0 and 15.

14.03.2014 Building HVAC 03.lib (V3.3)

- Bugfix in the calculation of the operating minutes of the FbFan_1Level
- The FbCalculatedSupplyTemperature starts always with a reference value inside the defined limits.

19.02.2014 Building HVAC 03.lib (V3.2)

- New export file Building_HVAC_03_x.exp with additional elements.
- Bugfix: FbRotaryHeatExchanger didn't enable “xRotaryHeatExchanger” during self cleaning.

14.01.2014 Building HVAC 03.lib (V3.1)

- New folder structure in the export file Building_HVAC_03_x.exp
- Bugfix: FbStartStopOptimization has generated an error message at the PFC 200.
- Modification at the PIDController:
The P-part will be deactivated, when the limit is reached and the actual level deviates more than 5 % from the reference value.
- Modification at the FbDHWPreparation:
Supply temperature alarm doesn't switch off the pump

14.01.2014 DALI 647 01.lib (V.1.3)

- The FbDaliLatchingRelay and the FbDaliSwitchOnOff use now the OFF Command (without Fade Time).
- The FbDaliDimmSingleButton and the FbDaliDimmDoubleButton use now the DAPC 0 % (with Fade Time).
- Bugfix: FbSceneConfig generates an Access violation at the PFC 200.

02.12.2013 MpBus 02.lib (V.2.5)

- FbMpBusEnergyValve: The block will send write command when there is value change on input “bSetOverride” and “rSetRelativeSetpoint”. When error occurs, the write will remain

inactive since the block waits for change of value. Now the block will reactivate write command for *override* and *relative setpoint* whenever error occurs.

- Bug fix: The error handling of the FbMpBusEnergyValve and FbMpBusRoomSensor is changed. The function blocks will no longer locked when error occurs.
- Scaling of input rSetRelativeSetpoint of the FbMpBusEnergyValve is corrected

25.11.2013 BACnet 02.lib (V.2.2)

- New function blocks added:
 - FbBACnetInOutValue_AV: Function block for reading from /writing to BACnet Priority array of an analogue value object. The input is IN/OUT-Variable hence it is possible to change the value from the BACnet-Network and get an updated value in the IEC Application.
 - FbBACnetInOutValue_BV: Function block for reading from /writing to BACnet Priority array of a binary value object. The input is IN/OUT-Variable hence it is possible to change the value from the BACnet-Network and get an updated value in the IEC Application.
 - FbBACnetInOutValue_MV: Function block for reading from /writing to BACnet Priority array of a multistate value object. The input is IN/OUT-Variable hence it is possible to change the value from the BACnet-Network and get an updated value in the IEC Application.
- FbBACnetNative_BO and FbBACnetNative_AO: Internal code changes.
- New Version of BACNETOBJECTS.EXP available. In this version of the export data, the BACnet properties are resorted and a new category “Library Mandatory Properties” is introduced.

07.10.2013 MpBus 02.lib (V.2.3)

- New function blocks added:
 - FbMpBusRoomSensor: Function block for reading value from BELIMO Room combination sensor MS24-Rxx-MPX
 - FbMpBusEnergyValve: Reading and controlling BELIMO Energy Valve P6...EV-xxx

- FbMpBusDamperAndValveActuator_MPL: reading and controlling BELIMO MPL Actuator.
- FbMpBusUST5: Read and control UST5 signal transmitter
- FbMpBusP_Sensor: Read and control P-Sensor
- Generic function blocks also added:
 - Function blocks for PEEK and POKE command.
 - Function blocks for getting and setting process data pool values.
 - Function block for setting configuration data pool values.

27.09.2013 EnOcean 05.lib (V5.2)

- Function block for HVAC Components (EEP A5-20-xx) only receive telegram with Data Byte 0 = 16#08. This is a bug and has been fixed.
- The bidirectional function block accepts any learn telegram regardless of its corresponding EEP. An EEP filter has been build inside the function block to fix this bug.
- The bidirectional function block answers with DB0.3 =TRUE (data telegram):

26.09.2013 BACnet 02.lib (V2.1)

- LOOP object can be saved now as RETAIN. This function only available for BACnet IP Controller 750-831.
- Export data *BACnetObjects.EXP* updated with new object supported by 750-831.

26.08.2013 DALI 647 01.lib (V1.2)

- Constant light control revised and updated.
- Feedback during the access of the WAGO-DALI-Configurator.
- Actual level will be calculated during the dimming.

12.08.2013 DMX 01.lib (V1.0)

- New library in order to control DMX-devices via serial interface module 750-652.

29.07.2013 Genibus 01.lib (V1.0)

- New library in order to control Grundfos pumps with GENIbus interface.

19.07.2013 Enocean 05.lib (V5.1)

- Timeout not able to reset with incoming telegram with EEP A5-02-xx and A5-10-xx. This issue is now solved.

08.07.2013 Building HVAC 03.lib (V3.0)

- Building_HVAC_03.lib substitutes Building_HVAC_02.lib
- The interface of the Sequence function blocks has been changed
- New FbAnalog3Point function block with dynamic set value calculation

01.07.2013 WeatherForecast HKW 01.lib (V1.0)

- New library in order to integrate the HKW weather forecast station WS-K xx Modbus.

25.06.2013 DALI 647 EmergencyLighting 01.lib (V1.1)

- Fb_SettingEmergencyLighting internal code's optimised. Functionality remains unchanged.

18.06.2013 DALI 647 01.lib (V1.1)

- A master block without the suffix _IPC added.

02.05.2013 BACnet 02.lib (V2.0)

- New library in order to manage data exchange between BACnet network and IEC61131 application program

02.05.2013 Building HVAC 02.lib (V2.1)

- Building_HVAC_02.lib substitutes Building_HVAC_01.lib
- Revised and extended version of the previous HVAC library

02.05.2013 Enocean 05.lib (V5.0)

- Enocean_05.lib substitutes Enocean_04.lib
- New concept of function blocks according to the EEP (Enocean Equipment Profile) standard

02.05.2013 Mbus 03.lib (V2.3)

- Mbus_03.lib substitutes Mbus_02.lib

- Mbus_03.lib substitutes Mbus_Special.lib
- Support of secondary addressing
- Add new function block **FbMbus_MultiTel** in order to provide an interface for multi-telegram-meters (e.g. ABB DAM13000)

02.05.2013 SMI_02.lib (V2.2)

- **FbSMI_MOTOR:** Improved time behaviour for movement to shadow position

02.05.2013 ThermokonWRF06_01.lib (V1.0)

- New library in order to integrate the Thermokon Room Operating Panel WRF06 via Modbus/RTU.

02.05.2013 ThermokonThanos_01.lib (V1.0)

- New library in order to integrate the Thermokon Room Operating Panel Thanos via Modbus/RTU.

12.02.2013 DMX_StageProfi_02.lib (V2.1)

- Improved error handling when losing the TCP connection

01.02.2013 SMI_02.lib (V2.0)

- SMI_02.lib substitutes SMI_01.lib

20.11.2012 DALI_647_EmergencyLighting_01.lib (V1.0)

- New library for DALI Emergency Lighting (Device Type 1)

20.11.2012 DALI_647_SensorCoupler_01.lib (V1.0)

- DALI_647_SensorCoupler_01.lib substitutes the WagoLibDALI_SensorCoupler_01.lib

20.11.2012 DALI_647_Msensor_01.lib (V1.0)

- DALI_647_Msensor_01.lib substitutes the WagoLibDALI_Msensor_01.lib

20.11.2012 DALI_647_01.lib (V1.0)

- DALI_647_01.lib substitutes the WagoLibDALI_01.lib

09.10.2012 DMX_StageProfi_02.lib (V2.0)

- DMX_Stage_Profi_02.lib substitutes the DMX_State_Profi_01.lib

28.09.2012 LON 01.lib (V1.0)

- New library for LON module 753-648

13.09.2012 MpBus 02.lib (V2.2)

- **FbMpBusVav**: Replaced command in order to write MIN/MAX values according to the new Belimo standard.

13.09.2012 WagoLibDALI SensorCoupler 01.lib (V1.0)

- New library for the DALI module 753-647
- This library supports the Sensor Coupler

13.09.2012 WagoLibDALI Msensor 01.lib (V1.0)

- New library for the DALI module 753-647
- This library supports the Msensor 2.0

13.09.2012 WagoLibDALI 01.lib (V1.1)

- Minor changes in FbDali_Command

22.08.2012 WagoLibDALI 01.lib (V1.0)

- New library for the DALI module 753-647

10.07.2012 Gebaeude allgemein.lib (V1.14)

- Add new module **FbSunblind_2**

22.05.2012 Mbus Special.lib (V1.4)

- New function blocks **FbMbus_Electricity_Sec**, **FbMbus_Heat_Sec**, **FbMbus_Water_Sec** and **FbMbus_Response_02_Sec** in order to support M-Bus secondary addressing

13.02.2012 ThebenKNX DALI 01.lib (V1.4)

- This version eliminates problems with the PLC_VISU visualisation which might occurred with the previous version.

17.10.2011 DALI 02.lib (V2.12)

- Extended functionality of the FbDALI_ConstantLightControl. Now it is possible to start the constant light control with a fix value.

13.09.2011 Scheduler 03.lib (V3.2)

- Fixed error in **FbTimetable**. Invalid access to an array index.

06.07.2011 Winsta_BC_02.lib (V2.1)

- Winsta_BC_02.lib substitutes the Winsta_BC_01.lib
- This version supports new features of boxes with SW>=02.
- Add new module **FbWinsta_BC_Position**.

28.06.2011 DALI_EmergencyLighting_01.lib (V1.2)

- New visualisation element and function block **FbConfigEmergencyLighting** for identification of the emergency lighting.
- The new function block can also readout the status of all emergency lightings on the DALI line.

16.05.2011 KNX_Applications_02.lib (V2.3)

- Fixed error in **FbKNX_DALI_Dimm**. The feedback dim value was not displayed correctly.

30.03.2011 ElsnerModbusWeatherStation_01.lib (V1.0)

- New library for the Elsner Weatherstation P03/3 Modbus

09.03.2011 Mbus_02.lib (V2.1)

- Mbus_02.lib substitutes the Mbus.lib
- Improvement of **FbMbusDecode** in order to increase the number of data records to 20.
- Add new elements of the M-Bus VIFE-Extension table

09.03.2011 Mbus_Special.lib (V1.3)

- Add module **FbMbus_Response_02**

09.03.2011 Scheduler_03.lib (V3.1)

- Add module **FbClock**
- Fixed error in **FbSetScheduleValue**. The output values were not set correctly.

02.03.2011 DALI_02.lib (V2.11)

- This version prevents, that during the initialization of the Joblist a Job will be written into the Joblist.

11.02.2011 DALI_02.lib (V2.10)

- This version eliminates an error if the Joblist for the first DALI line is not present. In this case the message “Please Wait” will always be displayed for the other DALI lines.

26.01.2011 DALI 02.lib (V2.9)

- New function block **FbDALI_M_Sensor**
- New function block **FbDALI_SwitchRawValue**.
- Performance of the **FbDALI_Joblist** optimized
- DALI Configuration tool has now the possibility to choose between ul values in percent or DALI ul values.
- New feature “Reset Joblist” implemented

26.01.2011 PowerMeasurement 03.lib (V3.2)

- New global variable in order to set a filter for unused inputs if one phase measurement is used.

26.01.2011 Scheduler 03.lib (V3.0)

- Scheduler_03.lib substitutes the Scheduler_02.lib
- Scheduler_03.lib belongs to an external open source visualisation library (Visu_Scheduler_03_x.lib).
- Add new module **FbTimetable**. This module contains the time switching function for an occupancy schedule (timetable) of a room.
- Add new module **FbTime_RTC_Modul**. This function block determines the date and time from the RTC module 750-640 and makes the data available
- Add new module **FbSetScheduleValue**
- **FbScheduler**: New output typScheduleStatus
- **FbScheduler**: New feature for public holiday time switching program.

18.01.2011 EnOcean RS485 03.lib (V3.0)

- EnOcean_RS485_03.lib substitutes the EnOcean_RS485_02.lib
- New function blocks to support the bidirectional EnOcean Gateway STC65-RS485 EVC from Thermokon.
- Add new module **Fb_MD15_FtL_HE_EVC** for Kieback&Peter actuator.

26.11.2010 PowerMeasurement 03.lib (V3.1)

- This version eliminates the problem with the calculation of the energy consumption at a 16 Bit controller.

30.09.2010 RomutecModbusRTU 02.lib (V2.0)

- RomutecModbusRTU_02.lib substitutes the RomutecModbusRTU.lib
- **FbRomutecMaster:** New input to adjust COM_FLOW_CONTROL

29.09.2010 SMI 01.lib (V1.2)

- New placeholder for SMI visualisation in order to be applicable as web-visualisation.
- **FbAddressing:** The new version of this function block eliminates a problem of extended addressing which might occurred with the previous version.

23.08.2010 KNX_Applications 02.lib (V2.2)

- Add new module **FbKNX_DALI_Dimm**
- Add new module **FbKNX_Clock**

26.07.2010 Scheduler 02.lib (V2.3)

- Changed licensing. The new version is applicable for WAGO PERSPECTO Control Panels

26.07.2010 Building HVAC 01.lib (V2.14)

- Changed licensing. The new version is applicable for WAGO PERSPECTO Control Panels

26.07.2010 Gebaeude allgemein.lib (V1.13)

- Changed licensing. The new version is applicable for WAGO PERSPECTO Control Panels

31.05.2010 Winsta BC 01.lib (V1.0)

- New library for the WINSTA Sunblind box 770-629/130-000

31.05.2010 ThebenKNX DALI 01.lib (V1.3)

- This version eliminates an initialisation problem, which might occurred with the previous version.

31.05.2010 SMI 01.lib (V1.1)

- **FbSMI_MOTOR:** New switch over delay from safety position to shadow position.
- **FbSMI_MOTOR:** Reduced polling rate of position when the motor moves to safety position.

10.05.2010 PowerMeasurement_03.lib (V3.0)

- PowerMeasurement_03.lib substitute the PowerMeasurement_02.lib
- 32-Bit value for Energy consumption with a fixed scaling factor (Wh)
- Current transformer ratio per phase

03.05.2010 DALI_02.lib (V2.8)

- **FbDALI_ConstantLightControl** periodic refresh of dimmsignal when the constant light control is enabled
- **FbDALI_ConstantLightControl** reduced switch on delay time if presence and actual value becomes smaller than the set point value

27.04.2010 SMI_01.lib (V1.0)

- New library for blind control application

26.04.2010 Building_HVAC_01.lib (V2.13)

- Improved code for **Fb_Fan_FC**

25.03.2010 DaylightSaving.lib (V1.2)

- Changed code in order to support BACnet time synchronisation

18.02.2010 ThebenKNX_DALI_01.lib (V1.1)

- New library in order to integrate the Theben compact office EIB ultisensory via KNX module 753-646 for a DALI constant light control.

29.01.2010 Enocean_Omnio_01.lib (V1.2)

- Changed data acknowledgement

29.01.2010 DALI_02.lib (V2.7)

- Changed range for parameter FadeTime in **FbDALI_ConfigDevice**
- Several outputs “xReady” have got a changed behaviour

29.01.2010 MpBus_02.lib (V2.1)

- Add new module **FbMpBusTHC24**

29.01.2010 Building HVAC 01.lib V(2.12)

- Improved code for **Fb_Control_PID_Adv**

29.01.2010 Enocean 04.lib (V4.4)

- Add new module **FbSR_MDS_V2** for the ceiling multi sensors with changed output form

03.11.2009 DaylightSaving.lib (V1.1)

- Major change regarding write access to firmware register.
Please replace the previous version

2 Library version

Library:	Version:	Further Information and examples:
BACnet_01_easy.lib	1.0	
BACnet_02.lib	2.8	Anwendungshinweis Application Note
Building_HVAC_03.lib	3.21	Anwendungshinweis Application Note
ColourConverter_01.lib	1.4	
DALI_647_04.lib / DALI_647_PFC_04.lib	4.23	Anwendungshinweis Application Note
DALI_647_SpecialSensor_02.lib	2.0	
DecodeFlexweather_01.lib	1.0	Anwendungshinweis
DMX_02.lib	2.1	Anwendungshinweis Application Note
DMXStageProfi_02.lib	2.1	Anwendungshinweis Application Note
EAP_Modbus_01.lib	1.2	Anwendungshinweis Application Note
ElsnerModbusWeatherStation_01.lib	1.0	Anwendungshinweis Application Note
Enocean_06.lib	6.20	Anwendungshinweis Application Note
Genibus_01.lib	1.4	Anwendungshinweis Application Note
KNX_02.lib	2.10	Anwendungshinweis Application Note
KNX_IP_750_889_02.lib	2.0	
LON_01.lib	1.0	
MBUS_649_01.lib	1.14	Anwendungshinweis Application Note
MpBus_03.lib	3.6	Anwendungshinweis Application Note
PowerMeasurement_03.lib	3.2	Anwendungshinweis Application Note
robutecheasy_02.lib	2.0	
RomutecModbusRTU_04.lib	4.2	
Scheduler_03.lib	3.5	Anwendungshinweis Application Note
SchuecoTipTronic.lib	1.0	
SMI_163x_01.lib	1.6	Anwendungshinweis Application Note
ThebenKNX_DALI_02.lib	2.3	Anwendungshinweis

		Application Note
ThermokonThanos_01.lib	1.0	Anwendungshinweis Application Note
ThermokonWRF04.lib	1.0	
ThermokonWRF06_01.lib	1.0	Anwendungshinweis Application Note
ThermokonWRF07.lib	1.1	
ThermokonWRF08.lib	1.3	Anwendungshinweis Application Note
ThermokonJOY.lib	1.1	
ThiesModbusWeatherSensors_01.lib	1.0	Anwendungshinweis Anwendungshinweis Application Note Application Note
WagoBuilding_01.lib	1.22	Anwendungshinweis Application Note
WeatherForecast_HKW_01.lib	1.1	Anwendungshinweis Application Note

3 Building libraries compatibility list

			750-												
Library	-806	-819	-829	-830	-831	-832	-833	-837	-838	-842	-843	-87x	-88x	-889	-89x
BACnet_01_easy.lib			x	x	x	x									
BACnet_02.lib			x	x ₅	x	x									
Building_Common.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Builing_HVAC_03.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ColourConverter_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DALI_647_04.lib			(07) ₁		(07) ₁	x							(07) ₁	(07) ₁	x
DALI_647_PFC_04.lib															
DALI_647_SpecialSensor_02.lib			(07) ₁		(07) ₁	x							(07) ₁	(07) ₁	x
DecodeFlexWeather_01.lib			x	x	x	x						x	x	x	x
DMX_02.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DMX_StageProfi_02.lib			x	x	x	x						x	x	x	x
EAP_Modbus_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ElsnerModbusWeatherStation_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Enocean_06.lib			(07) ₁		(07) ₁	x							(07) ₁	(07) ₁	x
Gebaeude_allgemein.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Genibus_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
KNX_02.lib			(07) ₁		(07) ₁	x							(07) ₁	(07) ₁	x
KNX_IP_750_889_02.lib														x	x
LON_01.lib	x ₄	x ₄	x	x	x	x	x	x ₄	x ₄	x ₄		x	x	x	x
MBUS_649_01.lib			(07) ₁		(07) ₁	x							(07) ₁	(07) ₁	x
MpBus_03.lib			(07) ₁		(07) ₁	x							(07) ₁	(07) ₁	x
PowerMeasurement_03.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Robutecheasy_02.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RomutecModbusRTU_04.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Scheduler_03.lib	O ₂	O ₂	x	x	x	x				O ₂	O ₂	x	x	x	x
SchuecoTipTronic.lib	x	x	x	x	x	x				x	x	x	x	x	x
SMI_163x_01.lib			(07) ₁		(07) ₁	x							(07) ₁	(07) ₁	x

750-															
Library	-806	-819	-829	-830	-831	-832	-833	-837	-838	-842	-843	-87x	-88x	-889	-89x
ThebenKNX_DALI_02.lib			(07) ₁		(07) ₁	x							(07) ₁	(07) ₁	x
ThermokonThanos_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ThermokonWRF04.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ThermokonWRF06_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ThermokonWRF07.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ThermokonWRF08.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ThermokonJOY.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ThiesModbusWeatherSensors_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
WagoBuilding_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
WeatherForecast_HKW_01.lib	x	x	x	x	x	x				x	x	x	x	x	x

¹ Valid from FW ()

² FbSaveVariable not supported

³ Special communication module applicable for IPC

⁴ restricted-use

⁵ FW04 required. FbRetain_LOOP not supported.

750-			758-
Library	-820x	-821x	-874
BACnet_01_easy.lib			
BACnet_02.lib			
Building_Common.lib	x	x	x
Builing_HVAC_03.lib	x	x	x
ColourConverter_01.lib	x	x	x
DALI_647_04.lib	(03) ₁	x	(09) ₁
DALI_647_PFC_04.lib	x	x	
DALI_647_SpecialSensor_02.lib	(03) ₁	x	(09) ₁
DecodeFlexWeather_01.lib	x	x	x
DMX_02.lib	x	x	x
DMX_StageProfi_02.lib	x	x	x
EAP_Modbus_01.lib	x	x	x
ElsnerModbusWeatherStation_01.lib	x	x	x
Enocean_06.lib	(03) ₁	x	(09) ₁
Gebaeude_allgemein.lib	x	x	x
Genibus_01.lib	x	x	x
KNX_02.lib	(03) ₁	x	(09) ₁
KNX_IP_750_889_02.lib			
LON_01.lib	x	x	x
MBUS_649_01.lib	(03) ₁	x	(09) ₁
MpBus_03.lib	(03) ₁	x	(09) ₁
PowerMeasurement_03.lib	x ₃	x	x ₃
Robutecheasy_02.lib	x	x	x
RomutecModbusRTU_04.lib	x	x	x
Scheduler_03.lib	x	x	x
SchuecoTipTronic.lib	x	x	x
SMI_163x_01.lib	(03) ₁	x	(09) ₁
ThebenKNX_DALI_02.lib	(03) ₁	x	(09) ₁
ThermokonThanos_01.lib	x	x	x
ThermokonWRF04.lib	x	x	x

750-			758-
Library	-820x	-821x	-874
ThermokonWRF06_01.lib	x	x	x
ThermokonWRF07.lib	x	x	x
ThermokonWRF08.lib	x	x	x
ThermokonJOY.lib	x	x	x
ThiesModbusWeatherSensors_01.lib	x	x	x
WagoBuilding_01.lib	x	x	x
WeatherForecast_HKW_01.lib	x	x	x

¹ Valid from FW ()

² FbSaveVariable not supported

³ Special communication module applicable for IPC

⁴ restricted-use

⁵ FW04 required. FbRetain_LOOP not supported.

762-	
Library	-3xxx
BACnet_01_easy.lib	
BACnet_02.lib	
Building_Common.lib	x
Builing_HVAC_03.lib	x
ColourConverter_01.lib	
DALI_647_04.lib	
DALI_647_PFC_04.lib	
DALI_647_SpecialSensor_02.lib	
DecodeFlexWeather_01.lib	
DMX_02.lib	
DMX_StageProfi_02.lib	
EAP_Modbus_01.lib	
ElsnerModbusWeatherStation_01.lib	
Enocean_06.lib	
Gebaeude_allgemein.lib	x
Genibus_01.lib	
KNX_02.lib	
KNX_IP_750_889_02.lib	
LON_01.lib	
MBUS_649_01.lib	
MpBus_03.lib	
PowerMeasurement_03.lib	
Robutecheasy_02.lib	
RomutecModbusRTU_04.lib	
Scheduler_03.lib	x4
SchuecoTipTronic.lib	
SMI_163x_01.lib	

762-	
Library	-3xxx
ThebenKNX_DALI_01.lib	
ThermokonThanos_01.lib	
ThermokonWRF04.lib	
ThermokonWRF06_01.lib	
ThermokonWRF07.lib	
ThermokonWRF08.lib	
ThermokonJOY.lib	
ThiesModbusWeatherSensors_01.lib	
WagoBuilding_01.lib	x
WeatherForecast_HKW_01.lib	

¹ Valid from FW ()

² FbSaveVariable not supported

³ Special communication module applicable for IPC

⁴ restricted-use

⁵ FW04 required. FbRetain_LOOP not supported.

<i>KNX libraries compatibility</i>					
<i>Controller</i>	<i>OLD</i> (no fixed memory addressing possible)			<i>NEW</i> (fixed memory addressing possible)	
	KNX_Application_02.lib	KNX_Standard.lib	KNX_IP_750_849_01.lib	KNX_IP_750_889_02.lib	KNX_02.lib
750-829 (FW<07)	x	x			
750-829 (FW≥07)	(x)	(x)			x
750-830	x	x			
750-831 (FW<07)	x	x			
750-831 (FW≥07)	(x)	(x)			x
750-832	(x)	(x)			x
750-84x	x	x			
750-87x (FW<09)	x	x			
750-87x (FW≥09)	(x)	(x)			x
750-88x (FW<07)	x	x			
750-88x (FW≥07)	(x)	(x)			x
750-889	(x)	(x)		x	x
750-89x	(x)	(x)			x
750-820x (FW<03)	x	x			
750-820x (FW≥03)	(x)	(x)			x
750-821x	(x)	(x)			x

x – compatible

(x) – compatible but not recommended

Note: The compatibility of KNX libraries is independent of the 753-646 firmware version.

Note: The library KNX_Application_02.lib requires the library KNX_Standard.lib and is not applicable with KNX_02.lib.

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