



WAGO-I/O-SYSTEM 750

Libraries for Building Automation

Release Note and library version

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WAGO Kontakttechnik GmbH & Co. KG

Hansastraße 27
D-32423 Minden

Phone: +49 (0) 571/8 87 – 0
Fax: +49 (0) 571/8 87 – 1 69

E-Mail: info@wago.com

Web: <http://www.wago.com>

Technical Support

Tel.: +49 (0) 571/8 87 – 777
Fax: +49 (0) 571/8 87 – 8777

E-Mail: tcba@wago.com

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.

We wish to point out that the software and hardware terms as well as the trademarks of companies used and/or mentioned in the present manual are generally protected by trademark or patent.

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1 Release Note

30.03.2011 ElsnerModbusWeatherStation 01.lib

- 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 dimm values in percent or DALI dimm 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 RomotecModbusRTU 02.lib (V2.0)

- RomotecModbusRTU_02.lib substitutes the RomotecModbusRTU.lib
- **FbRomotecMaster**: 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 multisensor 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	Bibliothek Library	Anwendungshinweis Application Note
Building_HVAC_01.lib	2.14	Bibliothek Library	Anwendungshinweis Application Note
DALI_02.lib	2.11	Bibliothek Library	Anwendungshinweis Application Note
DALI_EmergencyLighting_01.lib	1.1	Bibliothek Library	
DaylightSaving.lib	1.2		Anwendungshinweis Application Note
DMXStageProfi_01.lib	1.0		Anwendungshinweis Application Note
Enocean_04.lib	4.4	Bibliothek Library	Anwendungshinweis Application Note
Enocean_Omnio_01.lib	1.2		Anwendungshinweis Application Note
Enocean_RS485_03.lib	3.0	Bibliothek Library	
Gebaeude_allgemein.lib	1.13	Bibliothek Library	
KNX_Applikations_02.lib	2.2	Bibliothek Library	
KNX_IP_750_849_01.lib	1.0		
KNX_Standard.lib	1.5	Bibliothek Library	Anwendungshinweis Application Note
MBus_02.lib	2.1	Bibliothek Library	Anwendungshinweis Application Note
MBus_Special.lib	1.3	Bibliothek	
MeteorologicalStation.lib	1.4		
MpBus_02.lib	2.1	Bibliothek Library	Anwendungshinweis Application Note
PowerMeasurement_03.lib	3.2	Bibliothek Library	Anwendungshinweis Application Note
robutecheasy_02.lib	2.0	Bibliothek	
RomutecModbusRTU_02.lib	2.0	Bibliothek	
Scheduler_03.lib	3.1	Bibliothek Library	Anwendungshinweis Application Note
SchuecoTipTronic.lib	1.0	Bibliothek	

SMI_01.lib	1.2	Bibliothek Library	Anwendungshinweis Application Note
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ThermokonWRF08.lib	1.1		Anwendungshinweis Application Note
ThebenKNX_DALI_01.lib	1.3		Anwendungshinweis Application Note
Winsta_BC_01.lib	1.0	Bibliothek Library	Anwendungshinweis Application Note
ElsnerModbusWeather Station_01.lib	1.0		Anwendungshinweis Application Note

3 Building libraries compatibility list

750-															
Library	-806	-819	-830	-833	-837	-838	-841	-842	-843	-849	-871	-872	-873	-880	-881
	(08) ₁	(07) ₁		(07) ₁	(11) ₁			(15) ₁							
BACnet_01_easy.lib			x												
Building_Common.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Builing_HVAC_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DALI_02.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DALI_EmergencyLighting_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DaylightSaving.lib			x				x			x	x	x	x	x	x
DMXStageProfi_01.lib			x				x			x	x	x	x	x	x
Enocean_04.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Enocean_Omnio_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Enocean_RS485_03.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Gebaeude_allgemein.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
KNX_Application_02.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
KNX_IP_750_849_01.lib										x					
KNX_Standard.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MBus_02.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MBus_Special.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MeteorologicalStation.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MpBus_02.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	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_02.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Scheduler_03.lib	O ₂	O ₂	x	O ₂	O ₂	O ₂	x	O ₂	O ₂	x	x	x	x	x	x
SchuecoTipTroinic.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
SMI_01.lib	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ThebenKNX_DALI_01.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
Winsta_BC_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

¹ Gültig ab FW ()

² FbSaveVariable wird nicht unterstützt

758-				
Library	-870	-874	-875	-876
BACnet_01_easy.lib				
Building_Common.lib	X	X	X	X
Builing_HVAC_01.lib	X	X	X	X
DALI_02.lib	X ₃	X ₃	X ₃	X ₃
DALI_EmergencyLighting_01.lib	X	X	X	X
DaylightSaving.lib				
DMXStageProfi_01.lib	X	X	X	X
Enocean_04.lib	X ₃	X ₃	X ₃	X ₃
Enocean_Omnio_01.lib	X	X	X	X
Enocean_RS485_03.lib	X	X	X	X
Gebaeude_allgemein.lib	X	X	X	X
KNX_Application_02.lib	X	X	X	X
KNX_IP_750_849_01.lib				
KNX_Standard.lib	X	X	X	X
MBus.lib	X	X	X	X
Mbus_Special.lib	X	X	X	X
MeteorologicalStation.lib	X	X	X	X
MpBus_02.lib	X ₃	X ₃	X ₃	X ₃
PowerMeasurement_03.lib	X ₃	X ₃	X ₃	X ₃
Robutecheasy_02.lib	X	X	X	X
RomutecModbusRTU_02.lib	X	X	X	X
Scheduler_03.lib	X	X	X	X
SchuecoTipTroinic.lib	X	X	X	X
SMI_01.lib	X	X	X	X
ThebenKNX_DALI_01.lib	X	X	X	X
ThermokonWRF08.lib	X	X	X	X
Winsta_BC_01.lib	X	X	X	X
ElsnerModbusWeatherStation_01.lib	X	X	X	X

¹ Gültig ab FW ()

² FbSaveVariable wird nicht unterstützt

³ Spezielle Kommunikationsbausteine für den IPC

762-					
Library	-3035	-3057	-3104	-3121	-3150
BACnet_01_easy.lib					
Building_Common.lib	x	x	x	x	x
Building_HVAC_01.lib	x	x	x	x	x
DALI_02.lib					
DALI_EmergencyLighting_01.lib					
DaylightSaving.lib					
DMXStageProfi_01.lib					
Enocean_04.lib					
Enocean_Omnio_01.lib					
Enocean_RS485_03.lib					
Gebaeude_allgemein.lib	x	x	x	x	x
KNX_Application_02.lib					
KNX_IP_750_849_01.lib					
KNX_Standard.lib					
MBus.lib					
MBus_Special.lib					
MeteorologicalStation.lib					
MpBus_02.lib					
PowerMeasurement_03.lib					
Robutecheasy_02.lib					
RomutecModbusRTU_02.lib					
Scheduler_03.lib	x	x	x	x	x
SchuecoTipTroinic.lib					
SMI_01.lib					
ThebenKNX_DALI_01.lib					
ThermokonWRF08.lib					
Winsta_BC_01.lib					
ElsnerModbusWeatherStation_01.lib					

WAGO Kontakttechnik GmbH & Co. KG
Postfach 2880 D-32385 Minden
Hansastraße 27 D-32423 Minden
Phone: +49/5 71/8 87 – 0
Fax: +49/5 71/8 87 – 1 69
E-Mail: info@wago.com

Internet: <http://www.wago.com>

