



KNX_IP_750_889_02.lib

CODESYS V2.3 Function Block for the KNX IP Controller

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WAGO-I/O-PRO V2.3 Library for the KNX IP Controller

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Important Notes

To ensure fast installation and start-up of the units, we strongly recommend that the following information and explanations are carefully read and adhered to.

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Intended Use

For each individual application, the components are supplied from the factory with a dedicated hardware and software configuration. Modifications are only admitted within the framework of the possibilities documented in this document. All other changes to the hardware and/or software and the non-conforming use of the components entail the exclusion of liability on part of WAGO Kontakttechnik GmbH & Co. KG.

Please direct any requirements pertaining to a modified and/or new hardware or software configuration directly to WAGO Kontakttechnik GmbH & Co. KG.

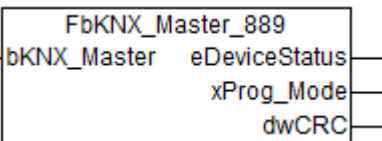
Scope of Applicability

This application note is based on the stated hardware and software from the specific manufacturer, as well as the associated documentation. This application note is therefore only valid for the described installation. New hardware and software versions may need to be handled differently.

Please note the detailed description in the specific manuals.

Function Blocks

KNX Master Module 750-889

WAGO-I/O-PRO CAA Library Elements		
Category:	Building Automation	
Name:	FbKNX_Master_889	
Type:	Function <input type="checkbox"/>	Function block <input checked="" type="checkbox"/> Program <input type="checkbox"/>
Name of library:	KNX_IP_889_Controller_02.lib	
Applicable to:	Programmable fieldbus controllers 750-889	
Library used:	SysLibGetAddress.lib WagoLibKBUS.lib KNX_02.lib	
Input parameter:	Data type:	Comment:
bKNX_Master	BYTE	Index of the KNX interface Value range = 1 Default setting = 1
Output parameter:	Data type:	Comment:
eDeviceStatus	eDeviceStatus	Output of status information
		KNX_DEVICE_NOT_INIT KNX_DEVICE_OK KNX_APPL_NOT_RUNNING KNX_APPL_LOADED KNX_APPL_START_LOADING KNX_APPL_CRC_OK KNX_APPL_CRC_ERR KNX_APPL_SYS_ERR KNX_DEVICE_KBUS_ERROR KNX_DEVICE_ETHERNET_ERROR KNX_SEND_SYNC_RUNNING KNX_SYNC_ERR KNX_APPL_OUT_OF_RANGE KNX_APPL_ADDRESS_INVALID
xProg_Mode	BOOL	Programming mode
dwCRC	DWORD	Checksum via DPT addresses
Graphical illustration:		
		

Function description:

The **FbKNX_Master_889** function block communicates with the 750-889 KNX IP application controllers.

This function block detects all queued commands of the other KNX function blocks in the program and initiates their execution.

This function block may be used only once per KNX controller 750-889. All other KNX function blocks must be linked with this function block via the "**bKNX_Master**" input variable. The value of this input should always be 1 (=default) for the function block FbKNX_Master_889.

The "**bKNX_Master**" input is the corresponding to the KNX commanding function blocks. This input must be entered with a constant one.

A KNX master function block may be used only once per installed KNX module. All other KNX function blocks must be linked with this function block via the "**bKNX_Master**" input variable.

The "**eDeviceStatus**" output variable provides status information about controllers communication. The output "**xProg_Mode**" indicates whether the KNX IP controller is in programming mode.

The "**dwCRC**" output provides the checksum of the data point addresses (DPT addresses). It can be compared with the value in the WAGO ETS plug-in.

Important:

All KNX function blocks with same "**bKNX_Master**" input value must be called up in cycles within the same program task.



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