



Datasheet Holsten Building Automation Library



HVAC (Heating Ventilation and Air-Conditioning) functional components and visualizations. Automate and visualize your entire building technology professionally: ventilation systems, heat generation, heating circuit distribution, individual room control, room automation, light and blind control. www.openvisu.org/plc-library/

The Holsten Building Automation library is under Open-source License for Building Automation Community to serve as a template and guideline for software development according to IEC61131-3 standard. As the software modules included in the library are provided free of charge, no functional guarantee or warranty is provided. The full risk and full responsibility concerning quality, absence of errors and performance of the software module lie with the user.

Product Description

The Holsten Building Automation Library contains functional components and Visualization macros for creating heating and ventilation systems, room automation and other industrial system technologies. There is an added value, above all, in the openness of the codes that allows the user to adjust the function blocks for project-specific requirements. The product portfolio is always being expanded with new functions and communication protocols.

Benefit from 15 years of experience in building automation, instrumentation & Control: Consulting, Planning, Open-source programming and SCADA, Commissioning and Data analysis.

Product Import

1. Download the Library from the OpenVisu Website under: www.openvisu.org/plc-library/
2. Import the Library into your WAGO e!cockpit project.
3. Review & Adjust the Function blocks if needed and call them into your PLC application

Range of Functions

Overview of function blocks & Visualizations.

Sector	Component	FB	UI
System	SetClock	X	X
System	ISP_Allgemein	X	X
System	SensorScaled	X	X
System	SensorTemp	X	X
System	Recipe	X	X
System	KnxJalousie	X	X
System	KnxWeather	X	X

System	ModbusSlave	X	X
System	MPbus_Antrieb	X	X
System	MPbus_EnergyValve	X	X
System	MPbus_PIQCV	X	X
System	MPbus_Slave	X	X
System	MPbus_VSR	X	X
System	Mail	X	X
System	Raumtemperaturueberwachung	X	X
System	Wetter	X	X
System	Meldungen	X	X
System	TemperaturenUniversal	X	X
Heizung	Heizkurve	X	X
Heizung	HeizungAllgemein	X	X
Heizung	HeizungWinterSommer	X	X
Heizung	FernwaermeKaskade	X	X
Heizung	FernwaermeStation	X	X
Heizung	FernwaermeWT	X	X
Heizung	Gaskessel	X	X
Heizung	Gaskessel_Vitogate	X	X
Heizung	Gaskessel_Vitogate_Parameter	X	X
Heizung	Waermepumpe_EcoAir622	X	X
Heizung	Waermepumpe_EcoAir622_Parameter	X	X
Heizung	Waermepumpe_Vitocal300G	X	X
Heizung	Waermepumpe_Vitocal300G_Parameter	X	X
Heizung	Speicherkapazitaet_4Point	X	X
Heizung	Speicherladestation	X	X
Heizung	Trinkwasserstation	X	X
Heizung	Warmwasserbereiter_DHW_01	X	X
Heizung	Warmwasserspeicher	X	X
Heizung	Doppelpumpensteuerung	X	X
Heizung	Pumpe	X	X
Heizung	PumpeFC	X	X
Heizung	EnergyValve_MPbus	X	X
Heizung	EPIV_MPbus	X	X
Heizung	Ventil2Punkt	X	X
Heizung	Ventil2Punkt_MPbus	X	X
Heizung	Ventil3Punkt	X	X
Heizung	VentilStetig	X	X
Heizung	VentilStetig_MPbus	X	X
Heizung	VentilZonen_MPbusL	X	X
Lüftung	RLT_Allgemein	X	X
Lüftung	RLT_Meldungen	X	X
Lüftung	RLT_Sicherheit	X	X
Lüftung	RLT_Temperaturen	X	X
Lüftung	RLT_Abluftkaskadentemperaturregelung	X	X
Lüftung	RLT_System_Kaskade2stufig_VM_02	X	X
Lüftung	RLT_System_KWT	X	X
Lüftung	RLT_System_Zuluftversorgung	X	X
Lüftung	VentilatorDruckregelung	X	X
Lüftung	Ventilator1stufig	X	X
Lüftung	Ventilator2stufig	X	X

Lüftung	Ventilator5stufig	X	X
Lüftung	VentilatorFU	X	X
Lüftung	Klappe2Punkt	X	X
Lüftung	Klappe2Punkt_MPbus	X	X
Lüftung	Klappe3Punkt	X	X
Lüftung	KlappeStetig	X	X
Lüftung	KlappeStetig_MPbus	X	X
Lüftung	VolumenstromreglerStetig	X	X
Lüftung	Volumenstromregler_MPbus	X	X
Lüftung	VSR_MPbus	X	X
Lüftung	Zonenregler_Temp_CO2_Volumenstrom	X	X
Lüftung	Zonenregler_Temp_CO2_Volumenstrom_Betriebsstunden	X	X
Lüftung	Zonenregler_Temp_CO2_Volumenstrom_Konfig	X	X
Lüftung	RLT_Rueckwaermzahl	X	X
Lüftung	Rotationswaermetauscher	X	X
Lüftung	TableauSollwert2stufig	X	X
Lüftung	TableauSollwert2stufigDruck	X	X
Lüftung	TableauSollwert4stufigDruck	X	X
Lüftung	TableauVolumenstromvorgabe	X	X
Lüftung	KompaktRLT_TroxSchoolAir	X	X
Lüftung	BSK_BKN_Modbus_Kommando	X	X
Lüftung	BSK_BKN_Modbus_Zwangssteuerung	X	X
Lüftung	BSK_3Motorisch	X	X
Lüftung	BSK_5Mechanisch	X	X
Lüftung	BSK_BKN_Modbus	X	X
Lüftung	BSK_Einzelverkabelung	X	X
Lüftung	BSK_Zentral	X	X
Raumautomation	RaumTrH	X	X
Sonstige Anlagen	BrunnenWasserwirtschaftsamt	X	X
Sonstige Anlagen	Hydraulikpressenkuehlung	X	X
Sonstige Anlagen	Laserkuehlung	X	X
Energiemonitoring	3PhasenMessklemme_750_493	X	X
Energiemonitoring	3PhasenMessklemme_750_495	X	X
Energiemonitoring	WaermemengenzaehlerImpuls	X	X
Energiemonitoring	Zaehler	X	X