Data sheet | Item number: 750-889
Controller KNX IP

www.wago.com/750-889

Color: ▬

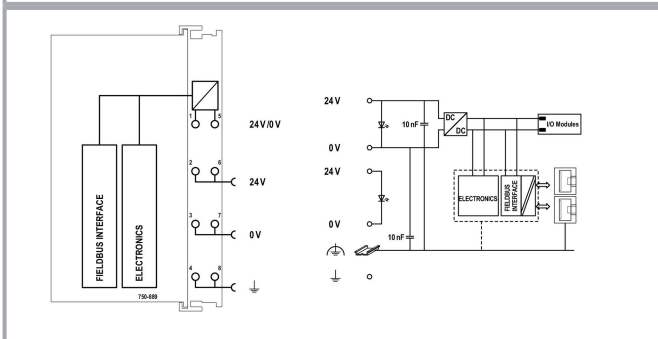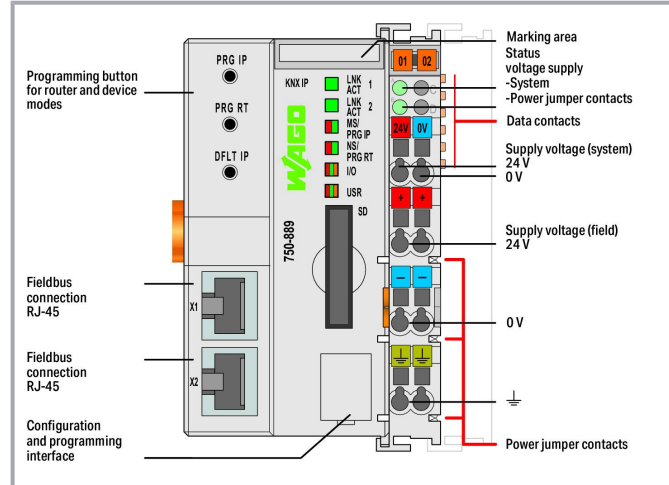## Item description

This controller can accommodate up to two KNX logic devices at the same time.

—

Subject to changes. Please also observe the further product documentation!

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- 1. In conjunction with the WAGO I/O System, the KNX IP Controller is used as a user-programmable application controller within KNX IP networks. The controller supports all digital, analog and specialty modules found within the 750/753 Series. The IEC 61131-3 programmable controller is capable of 10/100 Mbit/s data rates. KNX objects of any type (EIS/DPT) can be created using the programming tool. Libraries including pre-made function blocks are readily available on the WAGO Website for programming. The controller supports a maximum of 253 communication objects, as well as 254 group addresses and associations.

- 2. Combined with the KNX/EIB/TP1 Module, the 750-889 KNX IP Controller operates as a router on an IP backbone (ETHERNET). No IEC application is required for router functionality.

Both devices are commissioned and configured via ETS software using the WAGO product database. The software includes a plug-in that automatically installs and opens for configuration.

The KNX IP Controller features an integrated 2-port 10/100 Mbit/s switch, allowing a line structure to be easily created without additional network components. The maximum number of controllers that can be wired in series is 20.

An internal server is available for Web-based applications.

The controller provides 1024 KB program memory, 1024 KB data memory and 32 KB retain memory. It is capable of multitasking, has a battery-backed, real-time clock and is based on a 32-bit CPU.

The controller offers many different application protocols for control tasks (MODBUS, KNXnet/IP) or for system management and diagnostics (HTTP, BootP, DHCP, DNS, AutoIP, SNTP, FTP, SNMP and SMTP).

The number of KNX/EIB/TP1 Modules (750-646) supported by the KNX IP Controller does not depend on the application.

Data
Notes

Note	
	The WAGO ETS3/4 plug-in is a component of the WAGO-ETS3 product databank and can be downloaded for free at www.wago.com.

Technical data

Communication	KNX IP
	Modbus (TCP, UDP)
	ETHERNET
ETHERNET protocols	HTTP
	BootP
	DHCP
	DNS
	AutoIP
	SNTP
	FTP
	SNMP V3
	SMTP
Visualization	Web-Visu

Subject to changes. Please also observe the further product documentation!

CPU	32 bits
Programming languages per IEC 61131-3	Instruction List (IL) Ladder Diagram (LD) Function Block Diagram (FBD) Continuous Function Chart (CFC) Structured Text (ST) Sequential Function Chart (SFC)
Programming environment	WAGO-I/O-*PRO* V2.3 (based on CODESYS V2.3)
Configuration options	WAGO-I/O-*CHECK* Web-Based Management
Device specification	KNX/TP1 bus specification: 1.0
Network length (max.)	≤ 2000 m; max. 20 controllers in series
Baud rate (communication/fieldbus 1)	10/100 Mbit/s
Baud rate	10/100 Mbit/s
Bus segment length (max.)	100 m
Transmission medium (communication/fieldbus)	S-UTP; 100 Ω; Cat. 5
Program memory	1024 KB
Data memory	1024 KB
Non-volatile software memory	32 Kbytes
Memory for fieldbus input variables (max.)	512 Byte
Memory for fieldbus output variables (max.)	512 Byte
Type of memory card	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO Memory Card)
Memory card slot	Push-push mechanism; Cover lid (sealable)
Number of modules per node (max.)	250
Number of modules without a bus extension (max.)	64
Input and output process image (fieldbus) max.	1020 words/1020 words
Device-specific	Number of group addresses: 254; Number of communication objects: 253
Indicators	LED (LINK/ACT) green: Network connection via ports 1 … 2; LED (MS /PRG IP, NS/PRG RT) red/green: IP device programming mode, router; LED (I/O, USR) red/green/orange: Local data bus status, status programmable by user; LED (A, B) green: System power supply status, field supply
Supply voltage (system)	24 VDC (-25 … +30 %); via pluggable connector (CAGE CLAMP® connection)
Input current (typ.) at nominal load (24 V)	500 mA
Power supply efficiency (typ.) at nominal load (24 V)	90 %
Current consumption (5 V system supply)	450 mA
Total current (system supply)	1,700 mA

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Supply voltage (actuator)	N/A N/A
Supply voltage (field)	24 VDC (-25 … +30 %); via power jumper contacts
Current carrying capacity (power jumper contacts)	10 A
Number of outgoing power jumper contacts	3
Isolation	500 V system/field
KNX certified	IP Controller: 61/8316/08; IP Router: 61/8317/08

Connection data

Connection technology: communication/fieldbus	KNX IP: 2 x RJ-45; Modbus (TCP, UDP): 2 x RJ-45
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: field supply	6 x CAGE CLAMP®
Connection type 1	System/field supply
Solid conductor	0.08 … 2.5 mm² / 28 … 14 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 28 … 14 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inches
Connection technology: device configuration	1 x Male connector; 4-pole

Physical data

Width	61.5 mm / 2.421 inches
Height	100 mm / 3.937 inches
Depth	71.9 mm / 2.831 inches
Depth from upper-edge of DIN-rail	64.7 mm / 2.547 inches

Mechanical Data

Weight	192 g
Color	gray
Housing material	Polycarbonate; polyamide 6.6
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 … +55 °C
Ambient temperature (storage)	-25 … +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	without temperature derating: 0 … 2000 m; with temperature derating: 2000 … 5000 m (0.5 K/100 m); 5000 m (max.)

Subject to changes. Please also observe the further product documentation!

Relative humidity (without condensation)	95 %
Mounting position	any
Mounting type	DIN-35 rail
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-3
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Fire load	2.856 MJ
Permissible H_2S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO_2 contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data

eCl@ss 10.0	27-24-26-07
eCl@ss 9.0	27-24-26-07
ETIM 8.0	EC000236
ETIM 7.0	EC000236
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143093330
Customs tariff number	85371091990

Environmental Product Compliance

CAS-No.	12060-00-3
	1303-86-2
	1317-36-8
	693-98-1
	7439-92-1
	79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol
	2-methylimidazole
	Diboron trioxide
	Lead
	Lead monoxide
	Lead titanium oxide (PbTiO3)
RoHS Compliance Status	Compliant,With Exemption

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RoHS Exemption	6(c)
	7(a)
	7(c)-I
	7(c)-II
	7a
SCIP notification number (Bulgaria)	9793eec1-c150-4d81-9410-31c58838db9b
SCIP notification number (Czech Republic)	7a8111e3-7cea-40f7-9c8e-fced1566c9e4

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.B.00087/19
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-PFC750
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	22-2219060
	BSH Bundesamt fuer Seeschifffahrt und Hydrographie	-	1104
	DNV	DNV-CG-0339,Aug.2021	TAA0000194

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DNV GL SE

LR Lloyds Register EMEA	-		LR22180952TA
PRS Polski Rejestr Statków	-		TE/2236/880590 /19
RINA RINA Germany GmbH	-		ELE343521XG001

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

Required accessories

Memory card

Memory card

Item no.: 758-879/000-001 Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C		www.wago.com/758-879 /000-001
Item no.: 758-879/000-2108 Memory Card SD; pSLC-NAND; 8 GB; Temperature range: -40 to 90°C		www.wago.com/758-879 /000-2108

Optional accessories

Carrier rail

Mounting accessories

Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored		www.wago.com/210-197

Subject to changes. Please also observe the further product documentation!

Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	www.wago.com/210-198
Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-504
Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-505
Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-506
Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-508
Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-113
Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-118
Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	www.wago.com/210-112
Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-114
Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored	www.wago.com/210-115
Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-196

Software

Basic version

Item no.: 759-333 WAGO-I/O-PRO	www.wago.com/759-333
Item no.: 759-333/000-923 WAGO-I/O-PRO; USB-Set	www.wago.com/759-333 /000-923

Communication

Communication cable

Subject to changes. Please also observe the further product documentation!

	Item no.: 750-923 Configuration cable; USB connector; Length: 2.5 m	www.wago.com/750-923
	Item no.: 750-923/000-001 Configuration cable; USB connector; Length: 5 m	www.wago.com/750-923 /000-001

Shield termination

Shield clamping saddles

	Item no.: 790-116 Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 … 16 mm	www.wago.com/790-116
	Item no.: 790-124 Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 … 24 mm	www.wago.com/790-124
	Item no.: 790-108 Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 … 8 mm	www.wago.com/790-108
	Item no.: 790-140 Shield clamping saddle; diameter of compatible conductor	www.wago.com/790-140
	Item no.: 790-216 Shield clamping saddle; 21.8 mm wide; 6 … 16 mm	www.wago.com/790-216
	Item no.: 790-220 Shield clamping saddle; 30 mm wide; 6 … 20 mm	www.wago.com/790-220
	Item no.: 790-208 Shield clamping saddle; 12.4 mm wide; 3 … 8 mm	www.wago.com/790-208

Marking accessories

Marker carrier

	Item no.: 750-103 Group marker carrier	www.wago.com/750-103

Marker

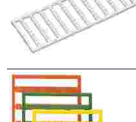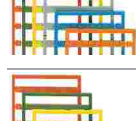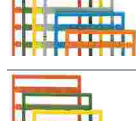|	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	www.wago.com/2009-145 /000-006
	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145
	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	www.wago.com/2009-145 /000-002
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/2009-145 /000-007
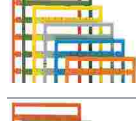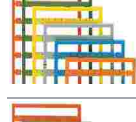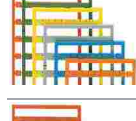
Subject to changes. Please also observe the further product documentation!

	Item no.: 2009-145/000-005	www.wago.com/2009-145
	Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	/000-005
	Item no.: 2009-145/000-012	www.wago.com/2009-145
	Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	/000-012
	Item no.: 2009-145/000-023	www.wago.com/2009-145
	Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	/000-023
	Item no.: 2009-145/000-024	www.wago.com/2009-145
	Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	/000-024
	Item no.: 248-501/000-006	www.wago.com/248-501
	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	/000-006
	Item no.: 248-501/000-007	www.wago.com/248-501
	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	/000-007
	Item no.: 248-501/000-002	www.wago.com/248-501
	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	/000-002
	Item no.: 248-501/000-012	www.wago.com/248-501
	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	/000-012
	Item no.: 248-501	www.wago.com/248-501
	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	
	Item no.: 248-501/000-017	www.wago.com/248-501
	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green	/000-017
	Item no.: 248-501/000-005	www.wago.com/248-501
	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	/000-005
	Item no.: 248-501/000-024	www.wago.com/248-501
	Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet	/000-024

Subject to changes. Please also observe the further product documentation!

Item no.: 248-501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/248-501
/000-023

Item no.: 750-100
Marker card; as a DIN A4 sheet; plain

www.wago.com/750-100

Group marker carrier

Item no.: 750-106
Group marker carrier

www.wago.com/750-106

System housing

System enclosure

Item no.: 850-814/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate

www.wago.com/850-814
/002-000

Item no.: 850-815/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate

www.wago.com/850-815
/002-000

Item no.: 850-816/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate

www.wago.com/850-816
/002-000

Item no.: 850-817/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

www.wago.com/850-817
/002-000

Item no.: 850-825
IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

www.wago.com/850-825

Item no.: 850-826
IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

www.wago.com/850-826

Item no.: 850-827
IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-827

Item no.: 850-827/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-827
/002-000

Item no.: 850-826/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

www.wago.com/850-826
/002-000

Item no.: 850-828/002-000

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	IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip	www.wago.com/850-828 /002-000
	Item no.: 850-828 IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip	www.wago.com/850-828
	Item no.: 850-834 IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20	www.wago.com/850-834
	Item no.: 850-835 IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip	www.wago.com/850-835
	Item no.: 850-836 IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip	www.wago.com/850-836

Cables and pluggable connectors

Connector plug

	Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	www.wago.com/750-975
	Item no.: 750-978/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief	www.wago.com/750-978 /000-012
	Item no.: 750-979/000-012 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief	www.wago.com/750-979 /000-012
	Item no.: 750-978/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief	www.wago.com/750-978 /000-021
	Item no.: 750-979/000-022 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief	www.wago.com/750-979 /000-022
	Item no.: 750-978/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief	www.wago.com/750-978 /000-022
	Item no.: 750-979/000-011 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief	www.wago.com/750-979 /000-011
	Item no.: 750-979/000-021 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief	www.wago.com/750-979 /000-021

Subject to changes. Please also observe the further product documentation!

	Item no.: 750-977/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22	www.wago.com/750-977 /000-011
	Item no.: 750-978/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief	www.wago.com/750-978 /000-011
	Item no.: 750-977/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24	www.wago.com/750-977 /000-022
	Item no.: 750-977/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	www.wago.com/750-977 /000-012
	Item no.: 750-977/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24	www.wago.com/750-977 /000-021

Downloads
Documentation

Manual

System Manual WAGO I/O System 750/753 Decentralized Automation Technology	V 3.3.0 2023 May 4	pdf 8.8 MB	Download
Product Manual KNX IP Controller 32-bit CPU with Multitasking	V 1.0.2	pdf 16.5 MB	Download
Product Manual WAGO ETS Plug-in (Product Data Base) for configuring WAGO KNX devices	V 3.0.1	pdf 2.9 MB	Download
System Manual Series 750/753 Online HTML		URL	Download

Bid Text

750-889 X81 - Datei	2019 Feb 19	xml 9.3 kB	Download
750-889 doc - Datei	2015 May 19	doc 35.3 kB	Download
ausschreiben.de 750-889		URL	Download

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System Description

Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 789.0 kB	Download
750 Controller, General Product Information		pdf 519.7 kB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download

Application Notes

Application Note CoDeSys 2.3

Application Note: MpBus_03 Library This Application Note explains how a WAGO fieldbus controller sets up communication to the MP-bus actuators via the MP-bus master module (750-643).	2020-08-14 2020 Aug 14	zip 526.0 kB	Download
KNX Function Macros Based on the library KNX_02.lib WAGO provides different function macros out of the building automation.	V 2020-05-12 2020 May 12	zip 120.6 MB	Download
Application note: DALI 753-647 Configuration Interface This application note describes the WAGO DALI Configurator, the integration of the DALI visualization for configuring various sensor types and the implementation in a program.	1.0.2 2019 Apr 29	zip 3.1 MB	Download
Connection of Thermokon Multi-function room control units WRF 08 The fundamental way of carrying out the communication between the WAGO I/O System and the multi-function room operating panel (WRF08 RS485 Modbus) from Thermokon is described in this application note.	10.04.2019 2019 Apr 10	zip 876.4 kB	Download
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HART Tool Routing via ETHERNET with 750-820x/750-88x and CODESYS 2.3 (a116120) This application note describes how to set up asset management systems, which facilitate simple, efficient configuration of HART field devices. With the Cerabar PMC51 (Endress+Hauser) as an example, a connection is	1.0.0 2019 Mar 22	pdf 3.9 MB	Download

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established from any HART sensor to a WAGO PROFIBUS Controller and a WAGO ETHERNET Fieldbus Coupler. The configuration is made with the asset management software WAGOframe, PACTware und FieldCare.

HVAC System Macros WAGO provides system macros for HVAC applications that are based on Building_HVAC_03.lib.	10.03.2017 2019 Mar 15	zip 13.6 MB	Download
Anbindung der HKW-Elektronik Wetterprognose-Station WS-K xx T ModBus Dieser Anwendungshinweis beschreibt, wie die Kommunikation zwischen dem WAGO-I/O-System und einer HKW-Elektronik Wettterprognose-Station Kompakt realisiert werden kann.	1.1 2017 Jul 7	zip 781.1 kB	Download
Application Note: DMX_02 This application note describes how a DMX master for DMX device control can be performed via 750-652 serial interface.	26.04.2017 2017 Apr 26	zip 751.0 kB	Download
GRUNDFOS GENIbus interface, application note This application note describes how communication between the WAGO-I/O-SYSTEM and the Grundfos MAGNA series circulation pumps can be performed via GENIbus interface.	20.03.2017 2017 Mar 20	zip 286.6 kB	Download
Application Note: EnOcean_06 Library This application note describes how communication between the WAGO-I/O-SYSTEM and different EnOcean wireless sensors can be implemented using the EnOcean_06.lib library.	30.11.2016 2016 Nov 30	zip 842.0 kB	Download
Application Note Library ModuleAccess_01 These instructions describe the use of the ModuleAccess_01.lib library using 4 examples.	05.01.2016 2016 Jan 29	zip 1.0 MB	Download
Application Note flexROOM® Weather Decoder This Application Note explains how the flexROOM® Weather application can be integrated into a project in which no flexROOM® Office distribution boxes are used.	2015 Aug 7	ZIP 1.1 MB	Download
HLK-Anlagenmakros für TRIC In dieser Zip-Datei finden Sie Vorlagen und Makros für die Planungssoftware TRIC. TRIC ist ein Werkzeug für Planer und Errichter von HLK-Anlagen, das den Richtlinien der VOB, VDI und DIN EN ISO entspricht.	2015-07-10 2015 Jul 10	zip 76.8 MB	Download
Application Note KNX StarterKit3 This Application Note includes the commissioning instructions for the KNX IP StarterKit 3.	13.11.2014 2014 Nov 13	zip 30.9 MB	Download

Application Note for the 750-494 3-Phase Power Measurement Module

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. . The application note for the 3-Phase Power Measurement Module 750-494 shows how the measured values of the power measurement module can be read. It is also shown how the power module can be configured using the WAGO-I/O-PRO- V2.3 visualization tool.	24.01.2014 2014 Nov 11	zip 1.7 MB	Download
Application Note for the 750-495 3-Phase Power Measurement Module The application note for the 3-Phase Power Measurement Module 750-495 shows how the measured values of the power measurement module can be read. It is also shown how the power module can be configured using the WAGO-I/O-PRO- V2.3 visualization tool.	24.01.2014 2014 Jan 24	zip 1.8 MB	Download
Connection of a Thermokon Thanos SR L MODBUS room control unit to the WAGO-I /O-SYSTEM The fundamental method of setting up communication between the WAGO I/O System and the Thanos SR L MODBUS room operating panel from Thermokon is described in this application note.	02.05.2013 2013 May 13	zip 313.2 kB	Download
Connection of DMX devices to the WAGO-I/O-SYSTEM via the ArtNet-DMX STAGE-PROFI 1.1 This application note describes connecting the ArtNet-DMX STAGE-PROFI 1.1 to the WAGO-I/O-SYSTEM. The ArtNet-DMX STAGE-PROFI 1.1 can be operated as a DMX master and a DMX slave.	11.01.2013 2013 Jan 11	zip 1.5 MB	Download
Application Note PowerMeasurement_03 Library This application note describes how current, voltage, effective power, power factor and energy consumption can be measured using 3-phase power measurement modules (750-493).	19.01.2011 2012 Mar 19	zip 954.5 kB	Download
Application Note DaylightSaving This Application Note explains how automatic switching between standard/daylight savings time can be implemented on the Ethernet fieldbus controller 750-841, starting from Firmware version 11.	02.04.07 2011 Nov 8	zip 682.4 kB	Download
Application Note Connecting with an iPod Touch This Application Note explains the basic procedures for access to the WAGO Ethernet Controller 750-8xx or the WAGO Ethernet Coupler 750-3xx using an iPod Touch.	30.03.2011 2011 Oct 28	zip 439.1 kB	Download
Application Note Weather Station Elsner P03 Modbus This application note describes how communication can be set up between the WAGO I/O System and the ELSNER P03/3 weather station with a Modbus interface.	01.12.2011 2011 Oct 28	zip 275.6 kB	Download
Application Note Scheduler_03.lib This application note describes different applications of the Scheduler_03.lib library.	20.05.2011 2011 May 20	zip 1.8 MB	Download

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Libraries

Library

WAGO_Datalogger_02.lib The FbDatalogger function block logs entries from up to 80 channels at an interval of min. one second in a CSV file.	2.7 2020 May 20	zip 678.8 kB	Download
ModuleAccess_01.lib The ModuleAccess_01 library provides both module configuration and access to its process data within a CoDeSys project without the use of WAGO I/O Check.	1.8.7 2020 Jan 27	zip 2.2 MB	Download

Engineering-Software

Product database

WAGO product database for KNX IP Controller 750-889 / 750-849 inklusive des WAGO-ETS-Plug-In	2.0.367.581 2016 Nov 29	zip 1.1 MB	Download
WAGO product database for KNX Router 750-889 / 750-849 + 753-646 .	2.0.373.598 2016 Nov 26	zip 41.4 kB	Download

Configuration and Commissioning Software

(759-316) WAGO Ethernet Settings / Serie 750	06.18.01.01 2023 Feb 28	zip 27.3 MB	Download
WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762 Für ein Firmwareupdate können Sie sich jederzeit an den Support wenden.	V 2.3.9.68 2022 Feb 17	zip 125.5 MB	Download

Desktop Application

WAGOupload WAGOupload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers.		URL	Download

Runtime Software

Firmware

0750-0889, Controller KNX IP WAGO_FW0750-0889_V010325_IX16_H	V 16 2021 Jul 27	zip 1.8 MB	Download

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CAD/CAE-Data

CAD data

2D/3D Models 750-889	URL	Download

CAE data

EPLAN Data Portal 750-889	URL	Download
WSCAD Universe 750-889	URL	Download
ZUKEN Portal 750-889	URL	Download

Environmental Product Compliance

Compliance Search

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Installation Notes

Product family

Controller 750
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