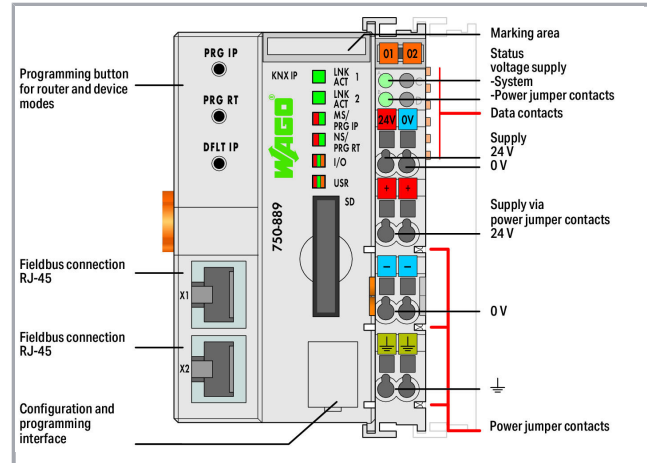


Data sheet | Item number: 750-889

Controller KNX IP; gray

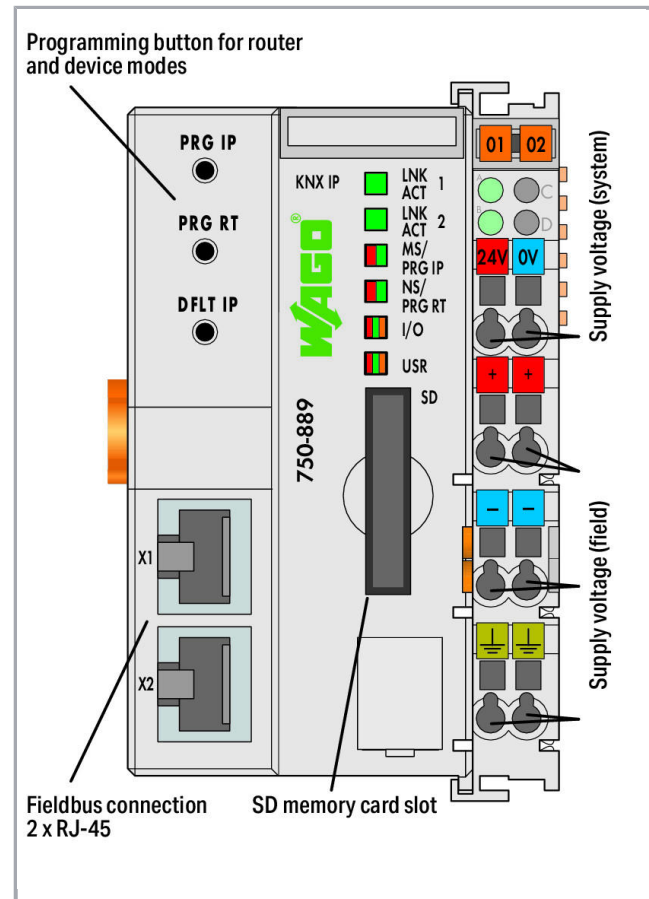
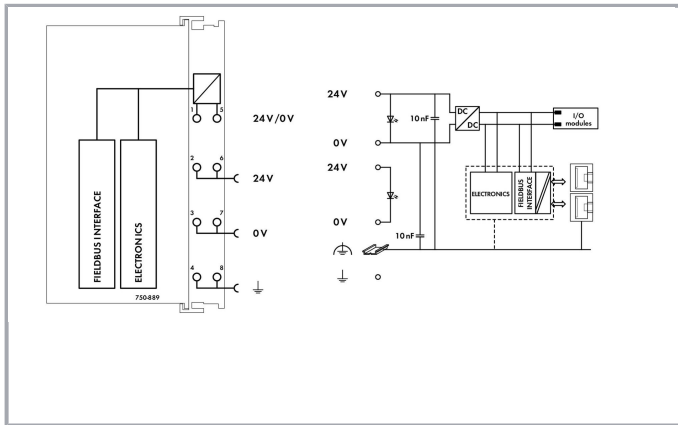
www.wago.com/750-889



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Item description

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

- 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.

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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.

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.

Data

Technical Data

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

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| | |
|---|--|
| Program memory | 1024 kByte |
| Data memory | 1024 kByte |
| Non-volatile software memory | 32 Kbytes |
| Memory for fieldbus input variables (max.) | 512 Byte |
| Memory for fieldbus output variables (max.) | 512 Byte |
| Memory card type | SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO 758-879/000-001 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 (fieldbus) process image (max.) | 1020 Worte/1020 Worte |
| 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) | DC 24 V(-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 % |
| Power consumption (5 V system supply) | 450 mA |
| Total current (system supply) | 1,700 mA |
| Supply voltage (actuator) | , N/A |
| Supply voltage (field) | DC 24 V (-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 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0,08 ... 2,5 mm ² / 28 ... 14 AWG |

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| | |
|---|---------------------------------|
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inch |
| Connection technology: Device configuration | 1 x Male connector; 4-pole |

Geometrical Data

| | |
|------------------------------------|----------------------|
| Width | 61,5 mm / 2.421 inch |
| Height | 71,9 mm / 2.831 inch |
| Height from upper-edge of DIN-rail | 64,7 mm / 2.547 inch |
| Depth | 100 mm / 3.937 inch |

Mechanical data

| | |
|--------------------|------------------------------|
| Weight | 192 g |
| Color | gray |
| Housing material | Polycarbonate, polyamide 6.6 |
| Conformity marking | CE |

Environmental Requirements

| | |
|--|---|
| Surrounding air temperature (operation) | 0 ... 55 °C |
| Surrounding air temperature (storage) | -40 ... 85 °C |
| Protection type | IP20 |
| Pollution degree (5) | 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.) |
| 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 | 2.404 MJ |
| Permissible H ₂ S contaminant concentration at a relative humidity 75 % | 10 ppm |
| Permissible SO ₂ contaminant concentration at a relative humidity 75 % | 25 ppm |

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Commercial data


| | |
|-----------------------|---------------|
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4055143093330 |
| Customs tariff number | 85371091990 |

Approvals / Certificates




Ex-Approvals

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

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|--------------------------------------|--------------------------|-----------------------------|
|  | KC National Radio Research Agency | Article 58-2, Clause 3 | MSIP- REM-W43- PFC750 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|--|--------------------------|-----------------------|
|  | ABS American Bureau of Shipping | - | 19- HG1821926 |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAA0000194 |
|  | LR Lloyds Register | - | 02/20026 (E6) |
| | PRS Polski Rejestr Statków | - | TE/2236 /880590/19 |


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



RINA
RINA Germany GmbH

ELE066419XG







UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | UL UL International Netherlands B.V. (ORDINARY LOCATIONS) | UL 508 | E175199 Sec.1 |

Counterpart

Compatible products

shield connection

| | | |
|--|---|--|
|  | Item no.: 790-108 Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm | www.wago.com/790-108 |
|  | Item no.: 790-116 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.: 790-140 Shield clamping saddle; diameter of compatible conductor | www.wago.com/790-140 |
|  | Item no.: 790-208 Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm | www.wago.com/790-208 |
|  | Item no.: 790-216 Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm | www.wago.com/790-216 |

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**Item no.: 790-220**

Shield clamping saddle; 30 mm wide; 6 ... 20 mm

www.wago.com/790-220**Marking accessories**

| | | |
|--|---|--|
|  | 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.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red | www.wago.com/2009-145/000-005 |
|  | 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.: 2009-145/000-007 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 |
|  | Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | www.wago.com/2009-145/000-012 |
|  | Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green | www.wago.com/2009-145/000-023 |
|  | Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | www.wago.com/2009-145/000-024 |
|  | Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card | www.wago.com/248-501 |
|  | Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/248-501/000-002 |
|  | Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red | www.wago.com/248-501/000-005 |
|  | Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue | www.wago.com/248-501/000-006 |
|  | Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray | www.wago.com/248-501/000-007 |

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Item no.: 248-501/000-012
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

www.wago.com/248-501/000-012



Item no.: 248-501/000-017
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

www.wago.com/248-501/000-017



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.: 248-501/000-024
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/248-501/000-024



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

www.wago.com/750-100



Item no.: 750-103
Group marker carrier; transparent

www.wago.com/750-103



Item no.: 750-106
Group marker carrier; transparent

www.wago.com/750-106

Carrier rail



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

www.wago.com/210-112



Item no.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

www.wago.com/210-113



Item no.: 210-114
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

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

www.wago.com/210-115



Item no.: 210-118
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

www.wago.com/210-118



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



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

www.wago.com/210-197



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

www.wago.com/210-504

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

| | | |
|--|---|--|
|  | Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715 | 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 | 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 | www.wago.com/210-508 |
| General accessories | | |
|  | Item no.: 750-921 Bluetooth® Adapter; light gray | www.wago.com/750-921 |
|  | Item no.: 750-923 Configuration cable; USB connector; Length: 2.5 m; black | 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 |
| system box | | |
|  | Item no.: 850-804 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip | www.wago.com/850-804 |
|  | Item no.: 850-804/000-001 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip | www.wago.com/850-804/000-001 |
|  | Item no.: 850-805 IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip | www.wago.com/850-805 |
|  | 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 |

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

| | | |
|--|--|--|
|  | 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.: 850-827 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.: 850-828 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.: 850-828/002-000 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.: 850-834 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 |
| wiring and connectors | | |
|  | Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly; light gray | www.wago.com/750-975 |
|  | 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.: 750-977/000-012 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 |
|  | 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.: 750-978/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief | www.wago.com/750-978/000-011 |

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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.: 750-978/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

www.wago.com/750-978/000-021



Item no.: 750-978/000-022
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.: 750-979/000-012
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief

www.wago.com/750-979/000-012



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



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

software



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



Item no.: 759-911
WAGO-I/O-PRO; CD

www.wago.com/759-911

Downloads

Documentation

Manual

| | | | |
|--|---------|----------------|----------|
| KNX IP Controller 32-bit CPU with Multitasking | V 1.0.2 | pdf 16.5 MB | Download |
| WAGO ETS Plug-in (Product Data Base) for configuring WAGO KNX devices | V 3.0.1 | pdf 2.9 MB | Download |

System Description

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



| | | | |
|--|---------|-----------------|----------|
| Use in Hazardous Environments Term definition, marking and installation regulations | V 1.0.0 | pdf 1.0 MB | Download |
| 750 Controller, General Product Information | | pdf 621.9 kB | Download |
| Design Notes Basic conditions and recommendations for higher operational safety | V 2.0.0 | pdf 1.5 MB | Download |
| Overview on WAGO-I/O-SYSTEM 750 approvals | | pdf 780.2 kB | Download |

Application Notes

Application Note CoDeSys 2.3

| | | | |
|---|--------------------------|-----------------|----------|
| 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 Wetterprognose-Station Kompakt realisiert werden kann. | V 1.1 2017.07.07 | zip 781.1 kB | Download |
| Application Note Scheduler_03.lib This application note describes different applications of the Scheduler_03.lib library. | 20.05.2011 2011.05.20 | zip 1.8 MB | 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 2013.01.11 | zip 1.5 MB | Download |
| Connection of Thermokon Multi-function room control units WRF 06 The fundamental method of setting up communication between the WAGO I/O System and the multi-function room operating panel (WRF06 RS485 Modbus) from Thermokon is described in this application note. | 10.04.2019 2016.04.08 | zip 845.9 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 2011.10.28 | zip 275.6 kB | Download |
| HVAC System Macros WAGO provides system macros for HVAC applications that are based on Building_HVAC_03.lib. | 10.03.2017 2019.03.15 | zip 13.6 MB | Download |
| ModuleAccess_01.lib | 1.8.7 | zip | Download |

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| | | | |
|---|--------------------------|-----------------|----------|
| 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. | 2020.01.27 | 2.2 MB | |
| 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 2012.03.19 | zip 954.5 kB | Download |
| Application Note KNX StarterKit3 This Application Note includes the commissioning instructions for the KNX IP StarterKit 3. | 13.11.2014 2014.11.13 | zip 30.9 MB | Download |
| 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). | 2020-01-29 2020.01.29 | zip 520.4 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 2017.04.26 | zip 751.0 kB | 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 2019.04.10 | zip 876.4 kB | Download |
| 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 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. | 1.0.0 2019.03.22 | pdf 3.9 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 | zip 76.8 MB | 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 2016.11.30 | zip 842.0 kB | Download |
| Application Note Library ModuleAccess_01 | 05.01.2016 2016.01.29 | zip 1.0 MB | Download |

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These instructions describe the use of the ModuleAccess_01.lib library using 4 examples.

| | | | |
|---|------------------------------------|-------------------------|-----------------|
| <p>Application note: DALI 753-647 Configuration Interface</p> <p>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.</p> | <p>V1.0.2 2019.04.29</p> | <p>zip 3.1 MB</p> | <p>Download</p> |
| <p>Application Note for the 750-495 3-Phase Power Measurement Module</p> <p>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.</p> | <p>24.01.2014 2014.01.24</p> | <p>zip 1.8 MB</p> | <p>Download</p> |
| <p>WAGO product database for KNX IP Controller 750-889 / 750-849 inklusive des WAGO-ETS-Plug-In</p> | <p>2.0.367.581 2016.11.29</p> | <p>zip 1.1 MB</p> | <p>Download</p> |
| <p>KNX Function Macros</p> <p>Based on the library KNX_02.lib WAGO provides different function macros out of the building automation.</p> | <p>V 2020-05-12 2020.05.12</p> | <p>zip 120.6 MB</p> | <p>Download</p> |
| <p>Application Note for the 750-494 3-Phase Power Measurement Module</p> <p>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.</p> | <p>24.01.2014 2014.11.11</p> | <p>zip 1.7 MB</p> | <p>Download</p> |
| <p>Application Note Connecting with an iPod Touch</p> <p>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.</p> | <p>30.03.2011 2011.10.28</p> | <p>zip 439.1 kB</p> | <p>Download</p> |
| <p>GRUNDFOS GENIbus interface, application note</p> <p>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.</p> | <p>20.03.2017 2017.03.20</p> | <p>zip 286.6 kB</p> | <p>Download</p> |
| <p>Connection of a Thermokon Thanos SR L MODBUS room control unit to the WAGO-I/O-SYSTEM</p> <p>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.</p> | <p>02.05.2013 2013.05.13</p> | <p>zip 313.2 kB</p> | <p>Download</p> |
| <p>Application Note DaylightSaving</p> | <p>02.04.07 2011.11.08</p> | <p>zip 682.4 kB</p> | <p>Download</p> |

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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.

| | | | |
|--|------------|---------------|----------|
| Application Note flexROOM® Weather Decoder | 2015.08.07 | ZIP 1.1 MB | Download |
|--|------------|---------------|----------|

This Application Note explains how the flexROOM® Weather application can be integrated into a project in which no flexROOM® Office distribution boxes are used.

Libraries

Library

| | | | |
|------------------------|-------------------|-----------------|----------|
| WAGO_Datalogger_02.lib | 2.7 2020.05.20 | zip 678.8 kB | Download |
|------------------------|-------------------|-----------------|----------|

The FbDatalogger function block logs entries from up to 80 channels at an interval of min. one second in a CSV file.

| | | | |
|---------------------|---------------------|---------------|----------|
| ModuleAccess_01.lib | 1.8.7 2020.01.27 | zip 2.2 MB | Download |
|---------------------|---------------------|---------------|----------|

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.

Engineering-Software

Configuration and Commissioning Software

| | | | |
|---|------------------------|-----------------|----------|
| WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762 | 2.3.9.55 2015.07.03 | zip 108.3 MB | Download |
|---|------------------------|-----------------|----------|

Product database

| | | | |
|--|---------------------------|---------------|----------|
| WAGO product database for KNX IP Controller 750-889 / 750-849 inklusive des WAGO-ETS-Plug-In | 2.0.367.581 2016.11.29 | zip 1.1 MB | Download |
|--|---------------------------|---------------|----------|

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|--|---------------------------|----------------|----------|
| WAGO product database for KNX Router 750-889 / 750-849 + 753-646 | 2.0.373.598 2016.11.26 | zip 41.4 kB | Download |
|--|---------------------------|----------------|----------|

Runtime Software

Firmware

| | | | |
|---|------------------|---------------|----------|
| Firmware: 750-889 Controller KNX IP; gray | 14 2019.04.11 | zip 2.2 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 |
|------------------------|---------------------|--------------------------|

Handling Instructions

Product family

Controller 750

[Learn more about the product family.](#)

[Show all products from the family](#)

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