

The PFC200 Controller is a compact PLC for the modular WAGO-I/O-SYSTEM. Besides network and fieldbus interfaces, the controller supports all digital, analog and specialty modules found within the 750/753 Series.

Two ETHERNET interfaces and an integrated switch enable line topology wiring. An integrated Webserver provides user configuration options, while displaying PFC200 status information.

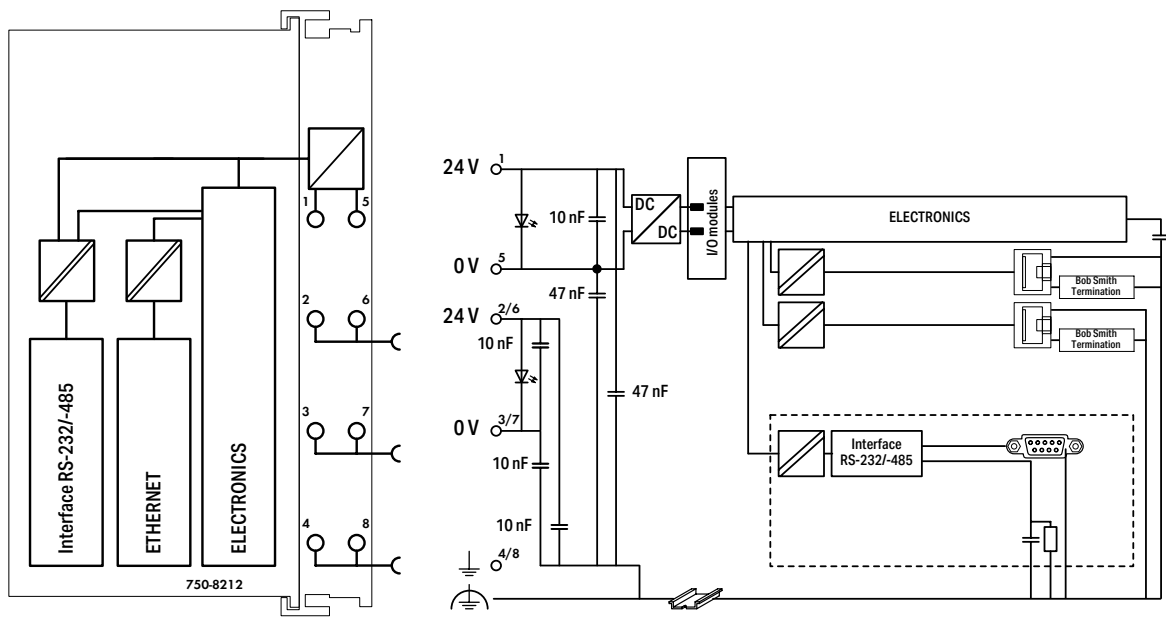
In addition to the processing industry and building automation, typical applications for the PFC200 include standard machinery and equipment control (e.g., packaging, bottling and manufacturing systems, as well as textile, metal and wood processing machines).

#### Advantages:

- Programming per IEC 61131-3
- Programmable via WAGO-I/O-PRO V2.3\* or *e!COCKPIT*
- Direct connection of WAGO I/O modules
- 2 x ETHERNET (configurable), RS-232/-485
- Linux® operating system with RT-Preempt patch
- Configuration via CODESYS, *e!COCKPIT* or Web-Based Management user interface
- Maintenance-free

Description	Item No.	Pack. Unit
PFC200 G2 2ETH RS	750-8212	1
PFC200 G2 2ETH RS BACnet/IP	750-8212/000-100	1
PFC200 G2 2ETH RS T	750-8212/025-000	1
Surrounding air temperature (operation): -20 ... +60 °C		
PFC200 G2 2ETH RS TELE T	750-8212/025-001	1
Surrounding air temperature (operation): -20 ... +60 °C		
PFC200 G2 2ETH RS TELE T ECO	750-8212/025-002	1
Surrounding air temperature (operation): -20 ... +60 °C		
<b>Accessories</b>		
WAGO-I/O-PRO V2.3, RS-232 kit	759-333	1
<i>e!COCKPIT</i> , workstation license	2759-101/1110-2002	
WAGO BACnet Configurator	Download: <a href="http://www.wago.com">www.wago.com</a>	
SD memory card, 2 GB	758-879/000-001	1
Mini-USB Quick Marking System, plain	248-501	50
<b>Approvals</b>		
Conformity marking	CE	
Marine applications	DNV GL	
E175199 Ordinary Locations		
TÜV 14 ATEX 148929 X	II 3G Ex ec IIC T4 Gc	
IECEx TUN 14.0035 X	Ex ec IIC T4 Gc	
UL E198726 Hazardous Locations	Cl I, Div 2, Group A, B, C, D, T4	
<b>750-8212/000-100:</b>		
Conformity marking	CE	
BACnet approvals		
WSPCert certification	Pending	
BTL listing	Pending	

Technical Data	
Communication	Modbus (TCP, UDP, RTU), BACnet/IP (750-8212/000-100), telecontrol protocols (750-8212/025-001, 750-8212/025-002), RS-232/-485 interface
ETHERNET protocols	DHCP, DNS, NTP, FTP, FTPS, SNMP, HTTP, HTTPS, SSH
BACnet/IP protocol (750-8212/000-100)	ISO 16484-5
BACnet device profile	B-BC
BACnet revision	14
Telecontrol protocols (750-8212/025-001, 750-8212/025-002)	IEC 60870-5-101/-103/-104, IEC 61850-7-4, IEC 61400-25, DNP3
CPU	Cortex A8, 1 GHz
Operating system	Real-time Linux (with RT-Preempt patch)
Programming environment	WAGO-I/O-PRO V2.3*; <i>e!COCKPIT</i> (Version 1.4 or higher)
Programming languages per IEC 61131-3	IL, LD, FBD (CFC), ST, FC
Visualization	Web-Visu
Baud rate	ETHERNET: 10/100 Mbit/s
Transmission medium	Twisted Pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Type of memory card	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO 758-879/000-001 Memory Card)
SD card slot	Push-push mechanism, sealing cover lid
Main memory (RAM)	512 MB
Internal memory (flash)	4 GB
Non-volatile memory (hardware)	128 KB
Program memory	16 MB**
Data memory	64 MB**
Non-volatile memory (software)	128 KB
*750-8212/000-100 only <i>e!COCKPIT</i> (Version 1.5 or higher)	
**For memory configuration via <i>e!RUNTIME</i> , the program and data memory together have a maximum size of 60 MB and can be distributed dynamically.	



### Technical Data

Number of modules per node (max.)	250
Number of modules per node (max.) (750-8212/025-002)	4
Number of modules without bus extension (max.)	64
Configuration options	e!COCKPIT; WAGO-I/O-CHECK; Web-Based Management; e!RUNTIME library; CODESYS library; WAGO BACnet Configurator
Input and output process image (internal) max.	1000 words/1000 words
Input and output process image (MODBUS) max.	1000 words/1000 words
Indicators	LED (SYS, RUN, I/O, U1 ... U7) red/green/orange: status system, program, internal data bus, status programmable by user (can be used via CODESYS library); 750-8212/000-100: LED (SYS, RUN, I/O, U1 ... U6, BT); LED (A, B) green: system power supply status, field supply
Supply voltage (system)	24 VDC (-25 ... 30 %); via wiring level (CAGE CLAMP® connection)
Total current (system supply)	1700 mA
Input current (typ.) at nominal load (24 V)	550 mA
Supply voltage (field)	24 VDC (-25 ... 30 %); incoming via wiring level (CAGE CLAMP® connection); 24 VDC; outgoing via power jumper contacts
Isolation	500 V (system/supply)
Number of outgoing power jumper contacts	3
Current carrying capacity (power jumper contacts)	10 A

### General Specifications

Connection technology: communication/fieldbus	Modbus TCP/UDP, BACnet/IP, telecontrol protocol: 2 x RJ-45; Modbus RTU, RS-232/-485 interface, telecontrol protocol: 1 x D-sub 9 socket
Connection technology: system/field supply	CAGE CLAMP®
Conductor cross-sections	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Dimensions W x H x D (mm)	78.6 x 64.7 x 100; Height from upper-edge of DIN-rail
Mounting type	DIN-35 rail
Color	Light gray
Housing material	Polycarbonate, polyamide 6.6
Weight	214 g
Surrounding air temperature (operation)	0 ... 55 °C
Surrounding air temperature (storage)	-40 ... 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); maximum: 5000 m
Mounting position	Any
Relative humidity (without condensation)	95 %
Vibration resistance	4 g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	Per EN 61000-6-2, marine applications
EMC emission of interference	Per EN 61000-6-3, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43