Climatix^{TM}

Climatix HMI-DM   POL895.50/xxx

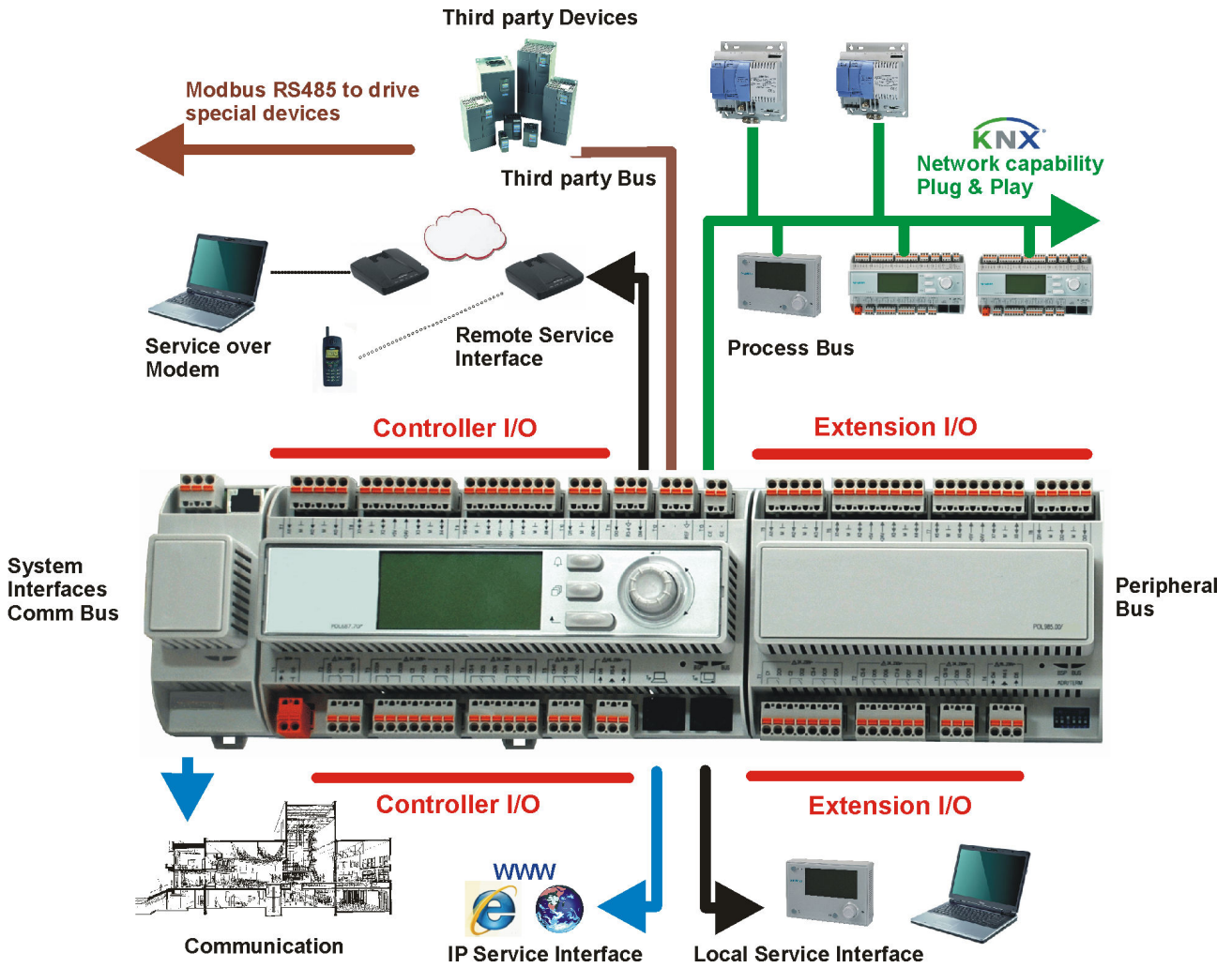Supporting Climatix 600 range controllers

---

The Climatix HMI-DM is designed for display, system configuration, set-up and management. It is a product of the Climatix range.

The Climatix HMI POL895.50/XXX offers the following features:

- **8 lines of displaying with selectable blue and white backlight**
- **Push & roll key, easy operation**
- **Alarm button with LED indicator**
- **Info button**
- **User-definable password for every access level**
- **Supporting multi-language**
- **Scheduling function**
- **Supporting local and remote installation**
- **Powered by controller via process bus or Local HMI connection**
- **Supporting panel mounting and wall mounting**
- **Firmware can be upgraded via USB interface**
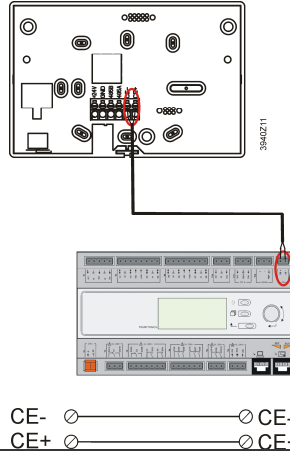
Communication concept

Third party Devices

Modbus RS485 to drive
special devices

Third party Bus

KNX
Network capability
Plug & Play

Service over
Modem

Remote Service
Interface

Process Bus

Controller I/O

Extension I/O

System
Interfaces
Comm Bus

Peripheral
Bus

Controller I/O

Extension I/O

Communication

WWW

IP Service Interface

Local Service Interface

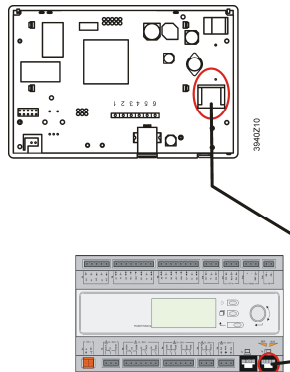| **Power supply** | Power | Powered by controller or separate power supply DC 24 V |
| | Power consumption | Max. 2 VA |

Interfaces	Based on KNX TP1	
Connection to Process Bus	Bus connection	CE+, CE-, not interchangeable
	Terminal	2-screw connector
	Max. length	700 m
	Cable type	Twisted pair cable; 0.5…2.5 mm^2 (According to KNX-Specification)


```
CE-  ⊘————————⊘ CE-
CE+  ⊘————————⊘ CE+
```

Local HMI Connection with Standard Net Cable	RS-485 (EIA-485)	
	Connection	RJ45 connector on both sides
	Max. length of shielded cable	50 m
	Max. length of unshielded cable	3 m
	Cable type	Standard net cable with two RJ45-plugs (8-wire twisted pair)

USB Interface	USB connection	
	Bus connection	USB 2.0, Device, USB-B type
Display	LCD type	FSTN
	Resolution	Dot-matrix 96 X 208
	Backlight	Blue or white, user configurable
Environmental conditions	Operation	IEC 721-3-3
	Temperature	-40...70 °C
	Restriction LCD	-20…60 °C
	Humidity	<90% r.h. (no condensation)
	Air pressure	Min. 700 hPa, corresponding to Max. 3,000 m above sea level
	Transport	IEC 721-3-2
	Temperature	-40...70 °C
	Humidity	<95% r.h. (no condensation)
	Air pressure	Min. 260 hPa, corresponding to Max. 10,000 m above sea level
Protection	Protection degree	IP31 (EN 60529)
	Safety class	Class II (SELV EN 60730)
	Pollution degree	2

Standards	Product safety	
	Automatic electrical controls	EN 60730-1
	Electromagnetic compatibility	
	Immunity in the industrial sector	EN 61000-6-2
	Emissions in the Residential, commercial and light industry	EN 61000-6-3
	CE conformity	
	EMC directive	2004/108/EC
	FCC	FCC Part 15
		(EMC emission FCC CFR 47 Part 15)
	Listings	
		UL916, UL873
		CSA C22.2M205
	C-tick	
		AS/NZS CISPR 22
		AS/NZS CISPR 14
	RoHS directive	
		2002/95/EC (Europe)
		ACPEIP (China)
General data	Dimensions	144 x 96 x 26 mm
	Weight excl. packaging	256.7 g
	Housing	Plastic, RAL7035
Order data	HMI-DM	POL 895.50/XXX
Accessories	Local HMI Cable 150 cm	POL 0C1.40/XXX

Disposal

The device includes electrical and electronic components and must <u>not</u> be disposed of as domestic waste.

Current local legislations must be observed.

Engineering notes

All the design complies with SELV level, according to EN 60730. In order to protect against accidental contact with any other part which voltage is above 42 V_{eff}, please take care of connection when wiring.

144 mm

96 mm

3941M01

26 mm

3941M02

38 mm

© 2007(-200x) Siemens Switzerland Ltd.

Subject to change

Siemens
Building Technologies

Climatix HMI-DM

CB1Q3941en
16.01.2009