



Climatix™

## Climatix HMI-DM

## POL895.51/XXX

For use with Climatix 600 controllers

---

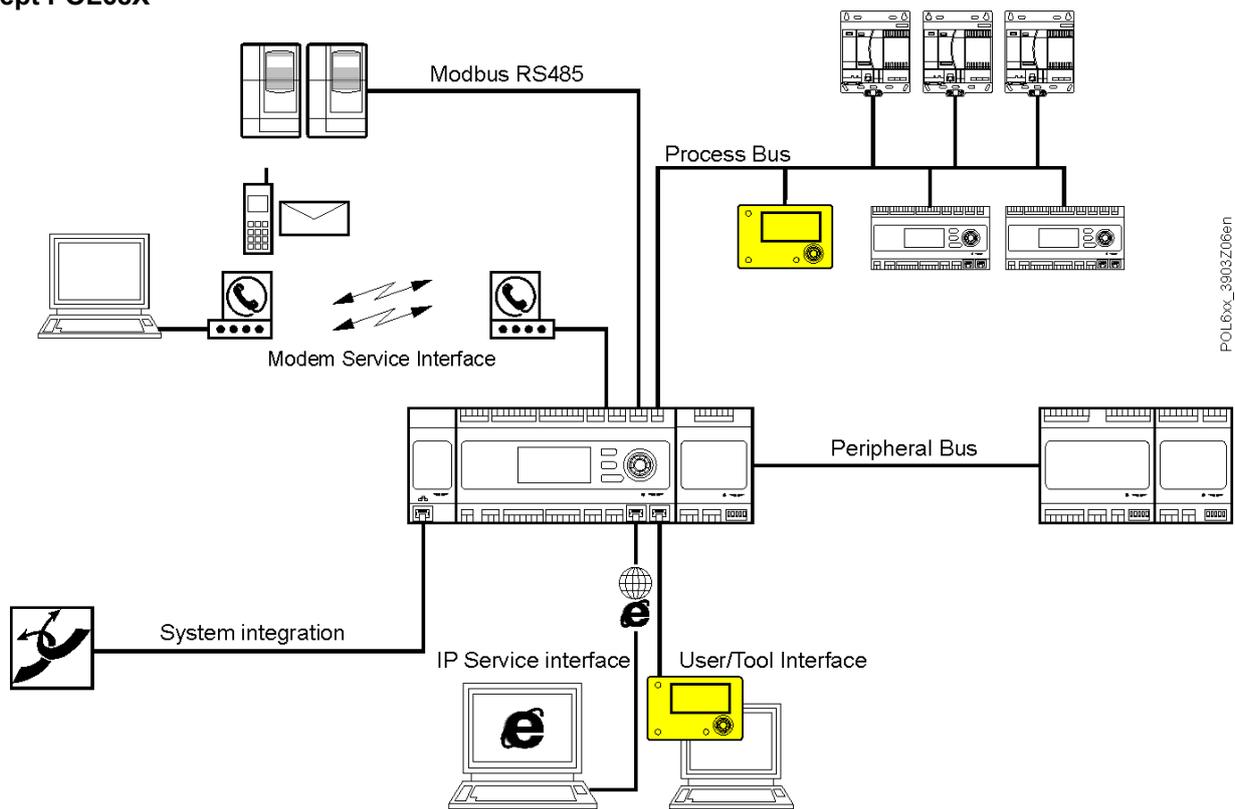
The Climatix HMI-DM is designed for use with Climatix controllers, for display and system configurations. It is a product of the Climatix range.

The HMI POL895 offers the following features:

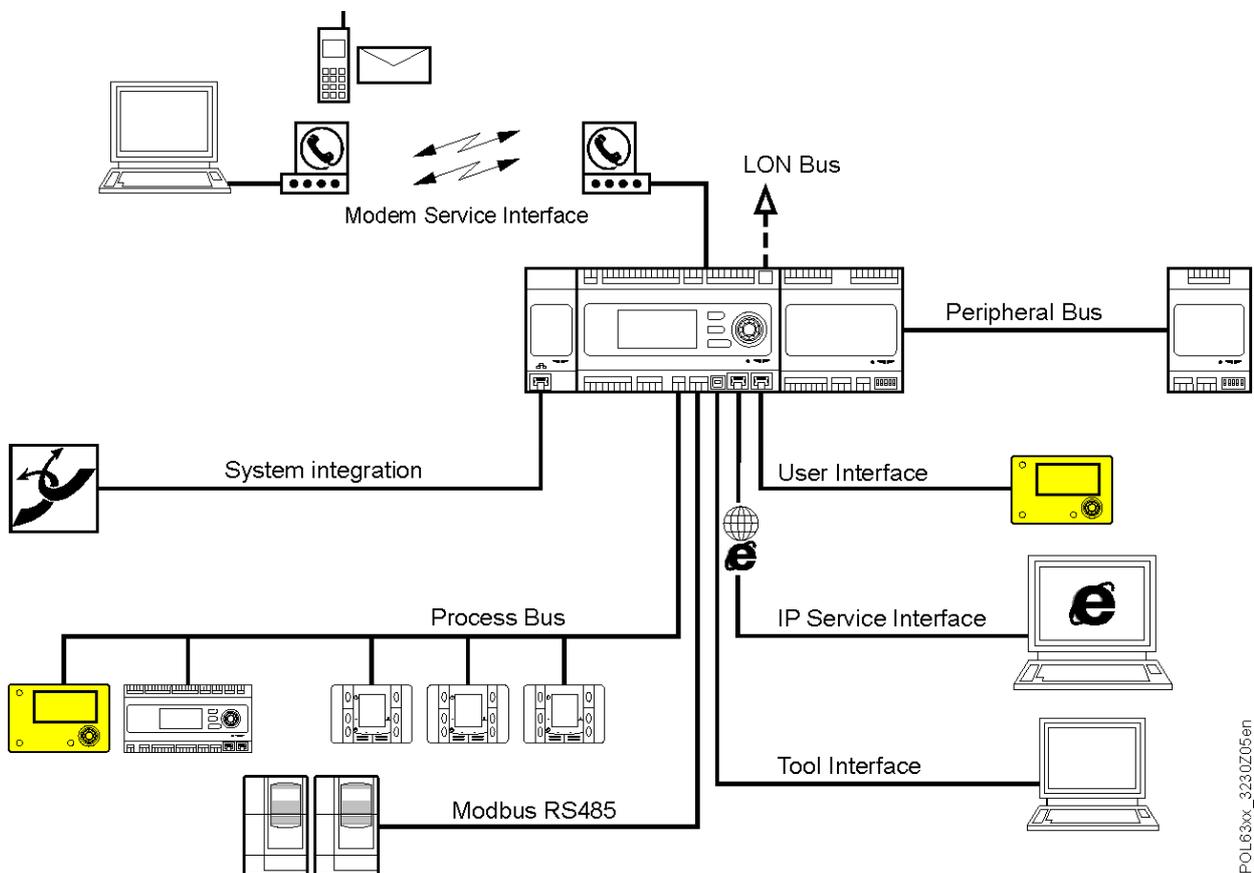
- 8 lines of display with selectable blue and white backlight
- Push-and-roll knob for easy operation
- Alarm button with LED indicator
- Info button
- User-definable password for every access level
- Supporting multi-language
- Scheduling function
- Supporting local and remote installation
- Powered by controller via process bus or HMI on the controller
- Supporting panel and wall mounting
- Firmware can be upgraded via USB interface

The HMI-DM POL895 is part of the Climatix product range (also refer to Data Sheet 3900 and Mounting Instructions M3910).

**Communication  
concept POL68X**



**Communication  
concept POL63X**



## Technical data

### Power supply

Power	Powered by process bus, Service interface or separate power supply DC 24 V
Consumption at DC 24 V	Max. 85 mA
Consumption via process bus	Max. 85 mA

### Interfaces

Connection to process bus

Based on KNX TP1

Bus connection

Terminal

Max. length

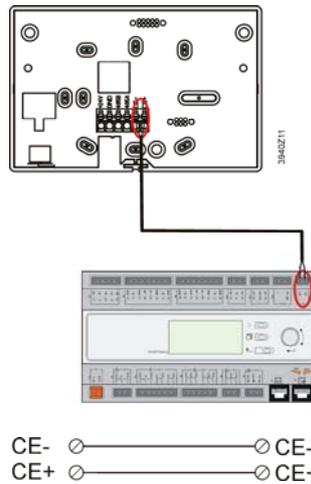
Cable type

CE+, CE-, not interchangeable

2-screw connector

700 m

Twisted pair cable; 0.5...2.5 mm<sup>2</sup>  
(as per KNX specification)



Connection to service Interface

RS-485 (EIA-485)

Connection

Max. length of shielded cable

Max. length of unshielded cable

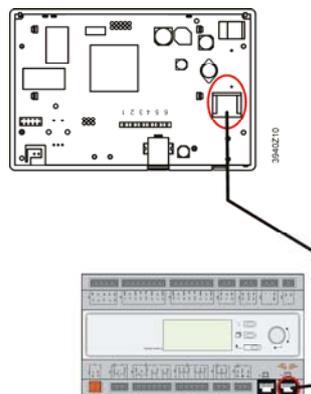
Cable type

RJ45 connector on both sides

50 m

3 m

Standard net cable with 2 RJ45-plugs  
(8-wires, twisted pair)



<b>USB interface</b>	USB connection		
	Bus connection	USB 2.0, device, USB-B type	
<b>Display</b>	LCD type	FSTN	
	Resolution	Dot-matrix 96 X 208	
	Backlight	Blue or white, user configurable	
<b>Environmental conditions</b>	Operation	IEC 721-3-3	
	Temperature	-40...70 °C	
	Restriction LCD	-20...60 °C	
	Humidity	<90% r.h. (non-condensing)	
	Atmospheric 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. (non-condensing)	
	Atmospheric pressure	Min. 260 hPa, corresponding to max. 10,000 m above sea level	
	<b>Protection</b>	Degree of protection	IP31 (EN 60529)
Safety class		Class II (SELV EN 60730)	
Pollution degree		2	
<b>Standards</b>	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)	
	<b>General data</b>	Dimensions	144 x 96 x 26 mm
		Weight excl. packaging	256.7 g
Housing		Plastic, RAL7035	
<b>Ordering data</b>	HMI - screen 96 x 208		
	POL 895.50 with cable	POL895.51/XXX	
<b>Accessories</b>	Local HMI cable 1.5 m	POL0C1.40/XXX	

## Disposal notes

---

The HMI-DM contains electrical and electronic components and must not be disposed of together with household waste.

Local and currently valid legislation must be observed!

## Engineering notes

---



The design complies with SELV conforming to EN 60730. To ensure protection against accidental contact with any other part carrying voltages above 42 V<sub>eff</sub>, take care of connection when wiring.

## Layout of HMI-DM

---

