

Climatix™

HMI-DM

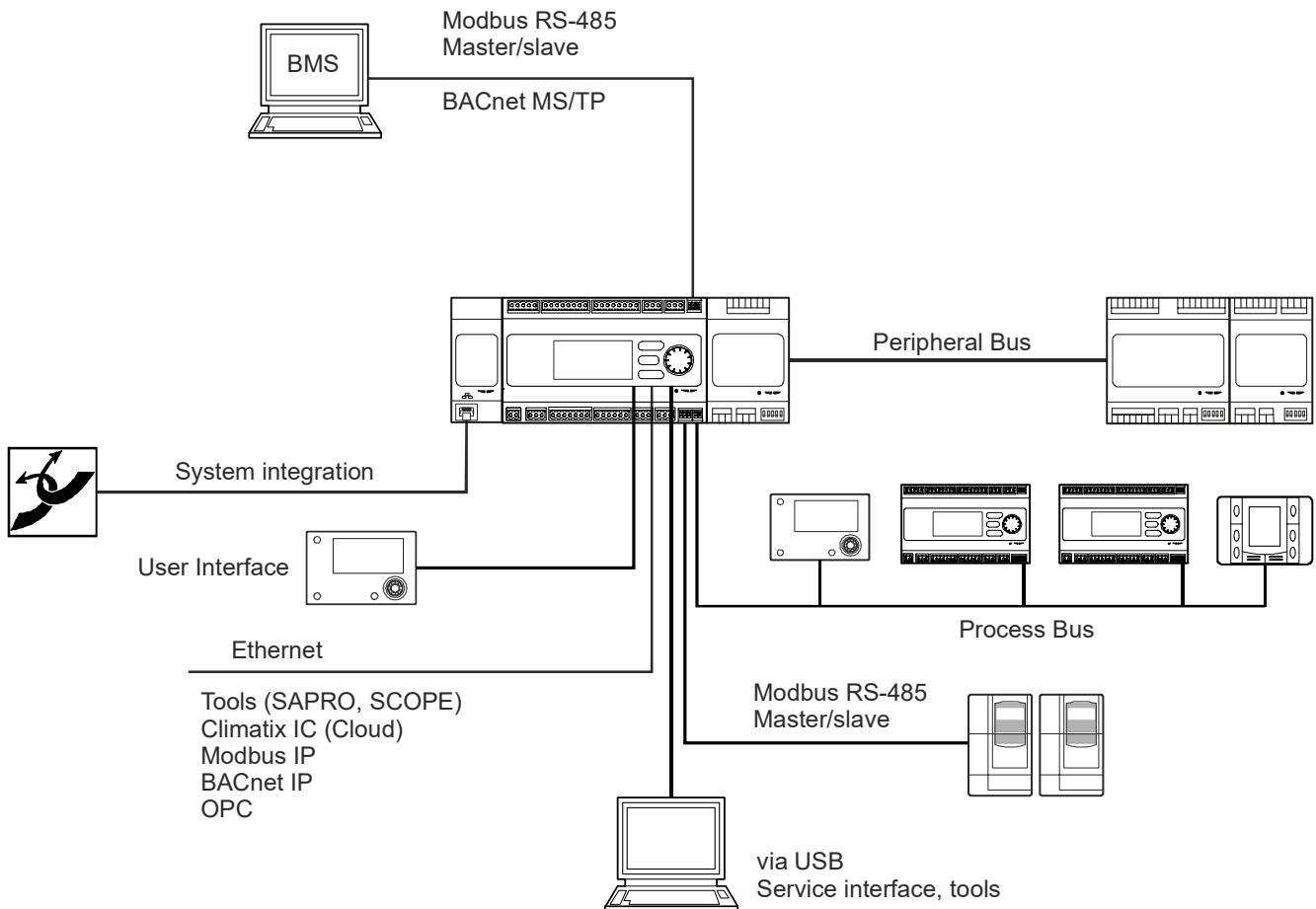
POL895.5x/xxx



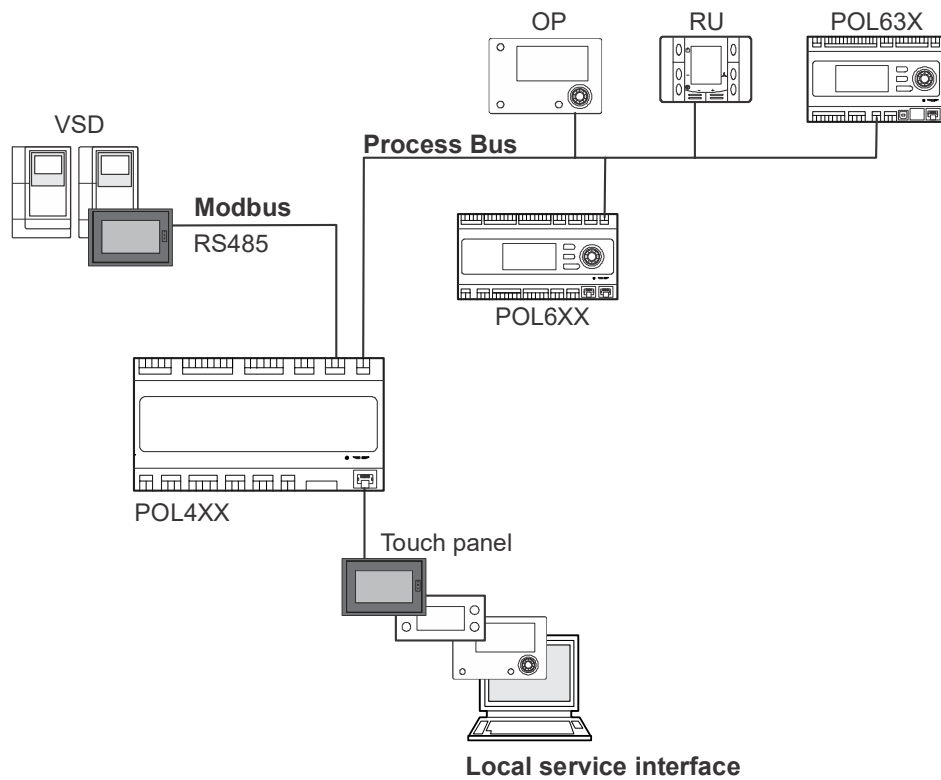
The HMI-DM for display and system configurations is for use with Climatix POL600 or POL400 controllers

- 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 Service interface 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.
Refer also to Data Sheet 3900

Communication concept



Climatix POL6xx communication concept (here C600)



Climatix POL4xx communication concept (here POL42x)

General Data	
Dimensions (w x h x d)	144 x 96 x 26 mm
Materials and Colors	Housing: Plastic, light-grey RAL 7035
Weight excl. packaging	257 g

Power supply	
Power	DC 24 V Powered by process bus, Service interface or separate power supply
Consumption at DC 24 V	Max. 85 mA
Consumption via process bus	Max. 45 mA

Interfaces		
Connection to process bus (PB)	Based on KNX TP1	
	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 (as per KNX specification)
	Note: for connection see Mounting instruction M3940	
Connection to service interface	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 2 RJ45-plugs (8-wires, twisted pair)
	Note: for connection see Mounting instruction M3940	
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

Ambient conditions and protection classification	
Protection	
Degree of protection to EN 60529	IP31
Safety class	Class II (SELV EN 60730)
Pollution degree	II as per EN 60730-1
Climatic ambient conditions	
Transport as per EN 60721-3-2	Temperature: -40...70 °C Humidity: <95 % r.h. (non-condensing) Atmospheric pressure: Min. 260 hPa, corresponding to max. 10000 m above sea level
Operation as per EN 60721-3-3	Temperature: -20...60 °C Air humidity: <90% r.h. (non-condensing) Atmospheric pressure: Min. 700 hPa, corresponding to max. 3000 m above sea level

Standards, directives and approvals	
Product standard	EN 60730-1 Automatic electronic controls for household and similar use.
Electromagnetic compatibility	For residential, commercial, and industrial environments.
EU conformity (CE)	CB1T3941xx
RCM conformity	CB1T3941en_C1
Listings	UL916, UL873 http://database.ul.com/ CSA C22.2M205 http://www.csagroup.org
EAC	Eurasian conformity
FCC	FCC Part 15 (EMC emission FCC CFR 47, Part 15)
Environmental compatibility	The product environmental declaration (CB1E3940_01en) contains data on environmentally compatible product design and assessments (RoHS compliance, materials composition, packaging, environmental benefit, disposal).

Functions

The functionality of the Climatix HM-DM (POL895.5x) is described in the manual CB1P3916en02.

Ordering


Type	Stock number	Designation
POL895.51/STD	S55626-H655-B100	HMI-DM POL895.5x with cable - screen 96 x 208


Product documentation

Document ID	Title	Topic
Q3900	Climatix range	Climatix product range
P3916	Basic documentation POL895.5x	Basics and functions
M3940	Mounting instruction for POL895	Mounting and installation


Notes

Security: National safety regulations

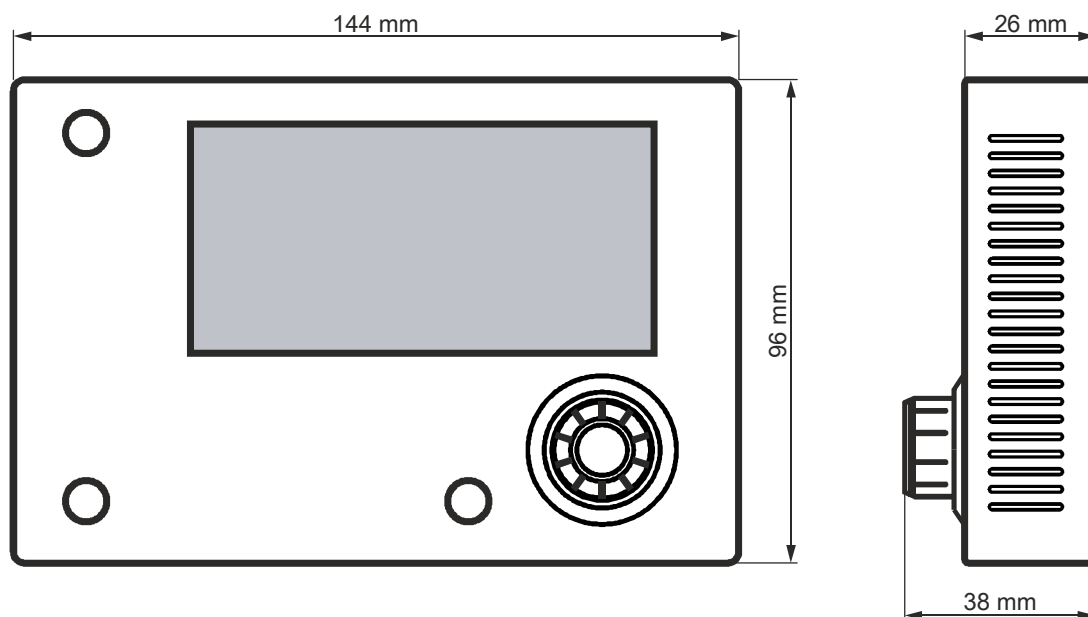
	⚠ CAUTION
	National safety regulations Failure to comply with national safety regulations may result in personal injury and property damage. <ul style="list-style-type: none"> Observe national provisions and comply with the appropriate safety regulations.

	NOTICE
	The design complies with SELV conforming to EN 60730. To ensure protection against accidental contact with any other part carrying voltages above 42 V _{eff} take care when wiring.

Disposal

	<p>The device is considered an electronics device for disposal in terms of European Directive 2012/19/EU and may not be disposed of as domestic garbage.</p> <ul style="list-style-type: none">• Dispose of the device through channels provided for this purpose.• Comply with all local and currently applicable laws and regulations.
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Dimensions



Dimensions in mm