

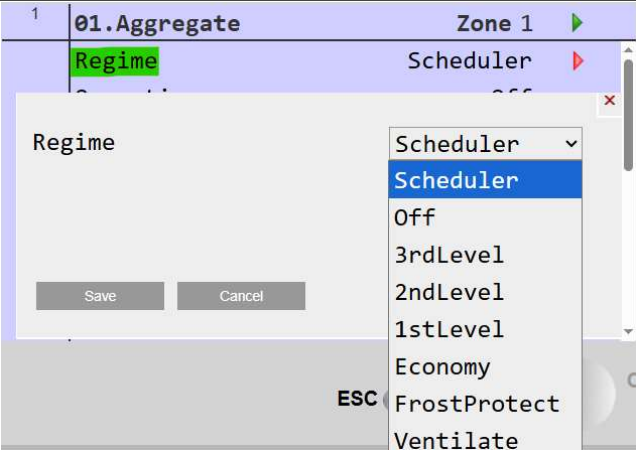
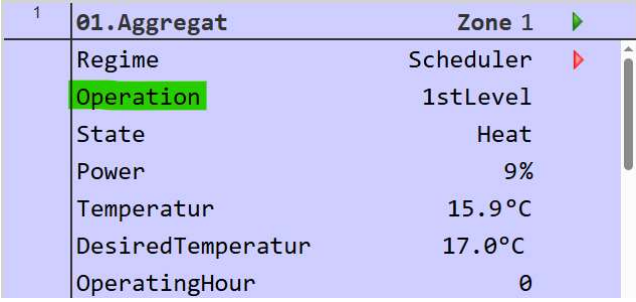
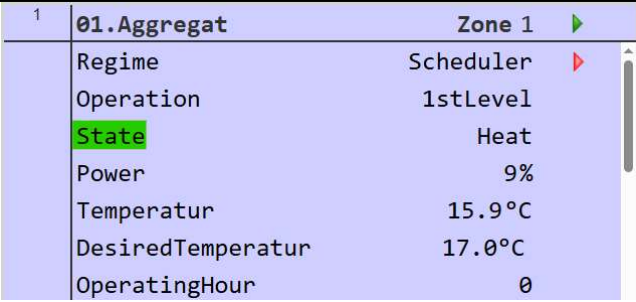
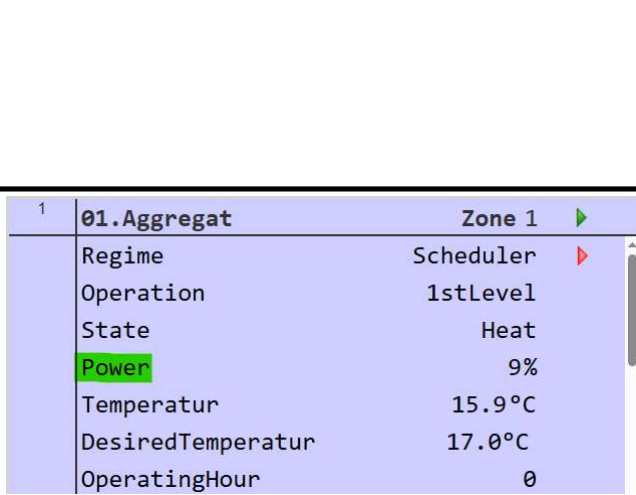
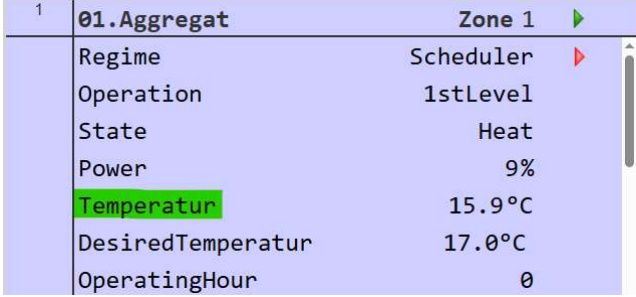
Industrial heating and heating measurement and control system MANDÍK
Climatix

BACnet table


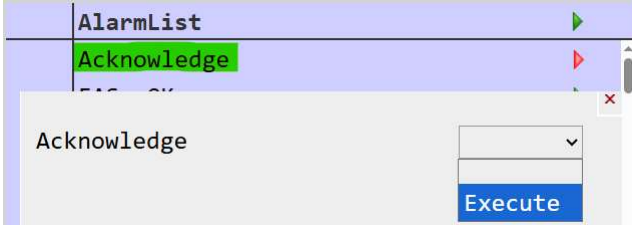
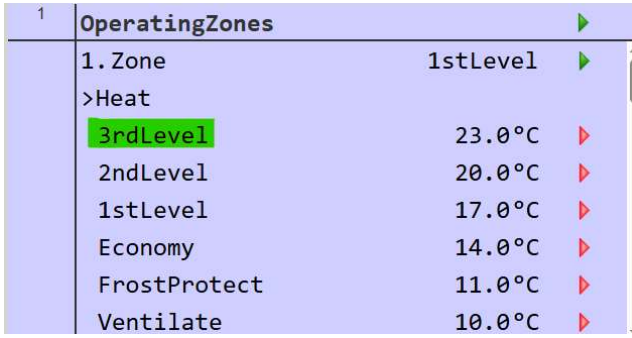
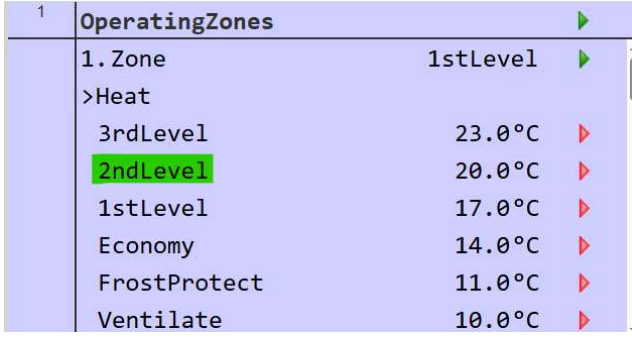
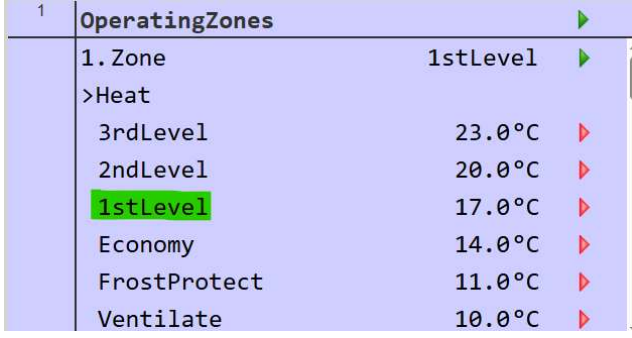
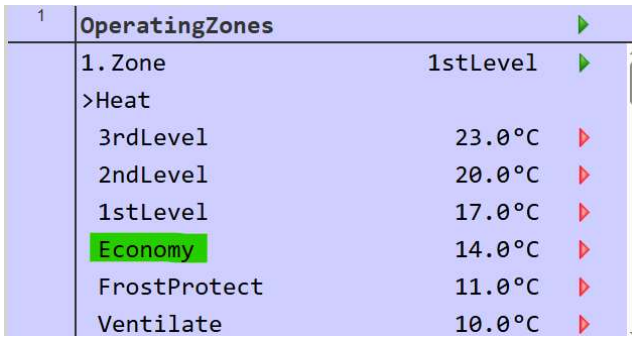
for software version IHC42.01 and higher

03/2025

MANDÍK®

Item	Object name Property	Read/ Write	HMI display
Regime	xx.Aggregate - Set	R/W	
	Priority Array - Manual Operator [0] - Auto (Scheduler) [1] - Off [2] - 3rdLevel [3] - 2ndLevel [4] - 1stLevel [5] - Econom [6] - Frost [7] - Ventilate		
Operation	xx.Aggregate - Set	R	
	Present Value [1] - Off [2] - 3rdLevel [3] - 2ndLevel [4] - 1stLevel [5] - Econom [6] - Frost [7] - Ventilate		
State	xx.Aggregate - State	R	
	Present Value [1] - Off [2] - Ventilate [3] - Start [4] - Heat [5] - Cool [6] - ExtReg [7] - Door [8] - Window [9] - Defrost [10] - Error [11] - FDAS		
Power	xx.Aggregate - Power	R	
	Present Value Value [%]		
Room temperature	xx.Aggregate - Room temperature	R	
	Present Value Value [°C]		

Item	Object name Property	Read/ Write	HMI display
Desired temperature	xx.Aggregate - Desired temperature Present Value	R	<div>1 01.Aggregat Zone 1 ▶</div> <div>Regime Scheduler ▶</div> <div>Operation 1stLevel</div> <div>State Heat</div> <div>Power 9%</div> <div>Temperatur 15.9°C</div> <div>DesiredTemperatur 17.0°C</div> <div>OperatingHour 0</div>
	Value [°C]		
Operating hour	xx.Aggregate - Heat Elapsed Active Time	R	<div>1 01.Aggregat Zone 1 ▶</div> <div>Regime Scheduler ▶</div> <div>Operation 1stLevel</div> <div>State Heat</div> <div>Power 9%</div> <div>Temperatur 15.9°C</div> <div>DesiredTemperatur 17.0°C</div> <div>OperatingHour 0</div>
	Value [sec] / 3600		
Operating zone number	xx.Aggregate - Zone Present Value	R	<div>1 01.Aggregat Zone 1 ▶</div> <div>Regime Scheduler ▶</div> <div>Operation 1stLevel</div> <div>State Heat</div> <div>Power 9%</div> <div>Temperatur 15.9°C</div> <div>DesiredTemperatur 17.0°C</div> <div>OperatingHour 0</div>
	Value		
Fault aggregate	xx.Aggregate - Fault Present Value	R	<div>1 AlarmList ▶</div> <div>Acknowledge ▶</div> <div>Aggregate1: ▶</div>
	0 - OK 1 - Error		
Communication failure with burner control unit	xx.Aggregate - Modbus Present Value	R	<div>1 AlarmList ▶</div> <div>Acknowledge ▶</div> <div>Automatic1: Modbus ▶</div>
	0 - OK 1 - Error		
Room temperature sensor failure	xx.Aggregate - Temperature Status Flags	R	<div>1 AlarmList ▶</div> <div>Acknowledge ▶</div> <div>Temperature1: noSensor ▶</div>
	0000 - OK 0100 - Fault		
Outdoor temperature sensor failure	Temperature outdoor Status Flags	R	<div>1 AlarmList ▶</div> <div>Acknowledge ▶</div> <div>TemperatureOutdoor: noSensor ▶</div>
	0000 - OK 0100 - Fault		
Fire alarm system	Fire fault Present Value	R	<div>1 AlarmList ▶</div> <div>Acknowledge ▶</div> <div>FAS: ▶</div>
	0 - OK 1 - Error		
Number of active faults	Active faults Present Value	R	<div>1 Alarming ▶</div> <div>AlarmList 3 ▶</div> <div>AlarmHistory 13 ▶</div>
	Value		

Item	Object name Property	Read/ Write	HMI display
Global fault	Global fault Present Value	R	
	[1] - OK [2] - Error		
Fault acknowledge	Fault acknowledge Present Value	R/W	
	[2] - Execute		
Desired temperature for the 3rd heating level	y.Zone - 3rd - heating Present Value	R/W	
	Value [°C]		
Desired temperature for the 2nd heating level	y.Zone - 2nd - heating Present Value	R/W	
	Value [°C]		
Desired temperature for the 1st heating level	y.Zone - 1st - heating Present Value	R/W	
	Value [°C]		
Desired temperature for the economy heating level	y.Zone - Economy - heating Present Value	R/W	
	Value [°C]		

Item	Object name Property	Read/ Write	HMI display
Desired temperature for the frost protect heating level	y.Zone - Frost - heating Present Value	R/W	<div>1</div> <div>OperatingZones</div> <div>1. Zone 1stLevel</div> <div>>Heat</div> <div>3rdLevel 23.0°C</div> <div>2ndLevel 20.0°C</div> <div>1stLevel 17.0°C</div> <div>Economy 14.0°C</div> <div>FrostProtect 11.0°C</div> <div>Ventilate 10.0°C</div>
	Value [°C]		
Desired temperature for the ventilate level	y.Zone - Ventilate Present Value	R/W	<div>1</div> <div>OperatingZones</div> <div>1. Zone 1stLevel</div> <div>>Heat</div> <div>3rdLevel 23.0°C</div> <div>2ndLevel 20.0°C</div> <div>1stLevel 17.0°C</div> <div>Economy 14.0°C</div> <div>FrostProtect 11.0°C</div> <div>Ventilate 10.0°C</div>
	Value [°C]		
Desired temperature for the 3rd cooling level	y.Zone - 3rd - cooling Present Value	R/W	<div>1</div> <div>OperatingZones</div> <div>Ventilate 10.0°C</div> <div>>Cool</div> <div>3rdLevel 25.0°C</div> <div>2ndLevel 22.0°C</div> <div>1stLevel 19.0°C</div> <div>Economy 16.0°C</div> <div>2. Zone 2ndLevel</div> <div>3rdLevel 23.0°C</div>
	Value [°C]		
Desired temperature for the 2nd cooling level	y.Zone - 2nd - cooling Present Value	R/W	<div>1</div> <div>OperatingZones</div> <div>Ventilate 10.0°C</div> <div>>Cool</div> <div>3rdLevel 25.0°C</div> <div>2ndLevel 22.0°C</div> <div>1stLevel 19.0°C</div> <div>Economy 16.0°C</div> <div>2. Zone 2ndLevel</div> <div>3rdLevel 23.0°C</div>
	Value [°C]		
Desired temperature for the 1st cooling level	y.Zone - 1st - cooling Present Value	R/W	<div>1</div> <div>OperatingZones</div> <div>Ventilate 10.0°C</div> <div>>Cool</div> <div>3rdLevel 25.0°C</div> <div>2ndLevel 22.0°C</div> <div>1stLevel 19.0°C</div> <div>Economy 16.0°C</div> <div>2. Zone 2ndLevel</div> <div>3rdLevel 23.0°C</div>
	Value [°C]		

Item	Object name Property	Read/ Write	HMI display
Desired temperature for the economy cooling level	y.Zone - Economy - cooling Present Value	R/W	1 OperatingZones ▶
	Value [°C]		<div> <div>Ventilate</div> <div>10.0°C</div> <div>▶</div> </div> <div>>Cool</div> <div> <div>3rdLevel</div> <div>25.0°C</div> <div>▶</div> </div> <div> <div>2ndLevel</div> <div>22.0°C</div> <div>▶</div> </div> <div> <div>1stLevel</div> <div>19.0°C</div> <div>▶</div> </div> <div> <div>Economy</div> <div>16.0°C</div> <div>▶</div> </div> <div> <div>2. Zone</div> <div>2ndLevel</div> <div>▶</div> </div> <div> <div>3rdLevel</div> <div>23.0°C</div> <div>▶</div> </div>

Notes:

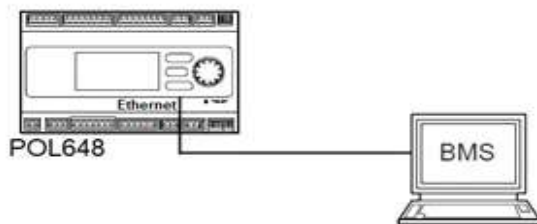
- xx = The number of the aggregate.
- y = The number of the operating zone.
- The names of aggregates and zones are user-configurable.
- A description of the supported object types is in the Siemens documentation: 012_CB1P3939en_BACnet.pdf "BACnet Protocol Implementation Conformance Statement".
- The integration guide is in the Siemens documentation: 012_CB1J3962en_BACnet_IP.pdf "BACnet/IP communication with POL908.00".

BACnet native connection variants

BACnet native does not include alarm, trend and time program services.

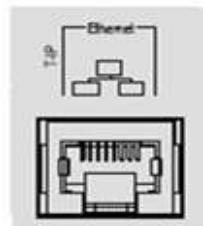
These services can be purchased as separate licenses for a specific Climatix controller.

1. BACnet IP native - ethernet port

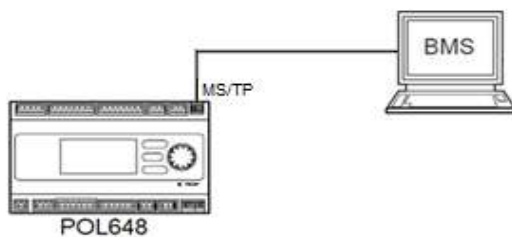


Cable connection

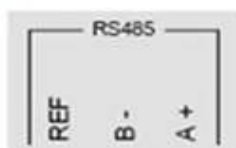
RJ45 jack, 8 pins (top view):



2. BACnet MS/TP native - port RS485

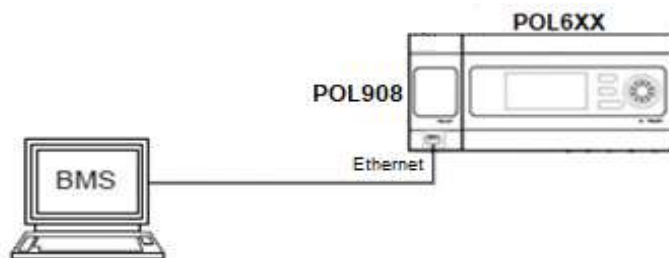


Cable connection



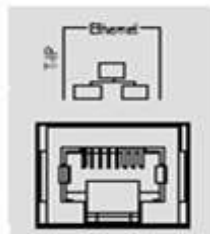
BACnet standard connection variants

3. BACnet IP standard - communication modul POL908

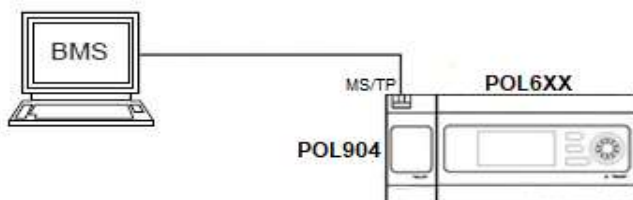


Cable connection

RJ45 jack, 8 pins (top view):



4. BACnet MS/TP standard - communication modul POL904



Cable connection

