



Climatix™

Climatix communication BACnet IP module

POL908.00/xxx

Communication module to connect a POL6xx.xx Climatix controller to a BACnet IP network.

The POL908.00/xxx communication module offers the following features:

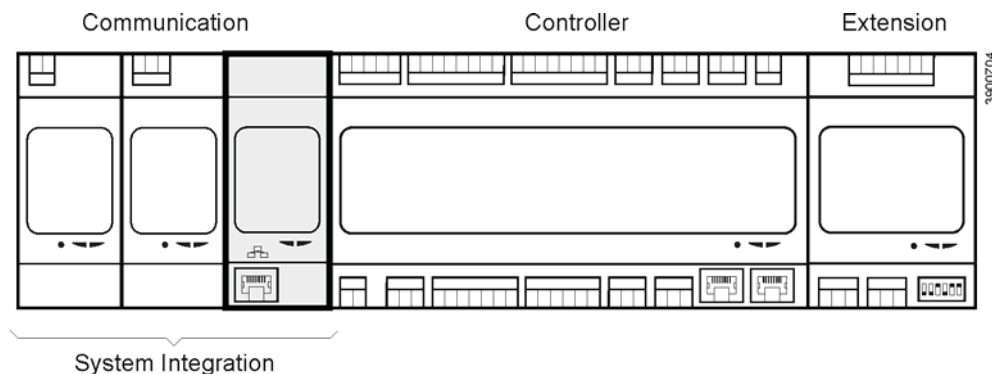
- Integration into a building automation and control system via BACnet IP
- Client communication to other BACnet devices
- Preloaded generic BACnet server
- Supports BACnet/IP (B-BC profile and BBMD)
- Network parameters configurable via controller, HMI or SCOPE
- The module must be connected to the left side of a POL6xx.xx controller

The POL908.00/xxx communication module is part of the Climatix product range (also refer Data Sheet 3900, Mounting Instructions M3910 and BACnet PICS document P3939en).

The BACnet / IP protocol

BACnet, an ASHRAE building automation and control networking protocol, was designed specifically to meet the communication needs of building automation and control systems for applications such as heating, ventilation, and air conditioning control, lighting control, access control, and fire detection systems and their associated equipment. The BACnet protocol provides mechanisms by which computerized building automation devices can exchange information, regardless of the particular building service they perform. As a result, the BACnet protocol may be used by head-end workstations, general-purpose direct digital controllers, and application-specific or unitary controllers with equal effect.

Installation concept



Technical data

General data

Dimensions	W x H x D: 45 x 110 x 75 mm
Weight excl. packaging	97g
Base	Plastic, pigeon-blue RAL 5014
Housing	Plastic, light-grey RAL 7035
Power supply	Via system interface from controller DC 5 V (+5% / -5%), max. 270 mA

BACnet IP

Ethernet 10/100 Mbit (IEEE 802.3U)	
Cable connection	RJ45 jack, 8 pins
BACnet / IP interface	Supports B-AAC profile

COMM interface plug

Board-to-board ZEC1,0/10-LPV-3,5 GY35AUC2C11

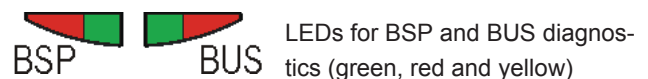


System interface

Equipped with board-to-board plug ZEC1,0/10-LPV-3,5 GY35AUC2C11

Environmental conditions	Operation	IEC 721-3-3
	Temperature	-40...70 °C
	Humidity	<90% r.h.
	Atmospheric pressure	Min. 700 hPa, corresponding to max. 3,000 m above sea level
Protection	Transport	IEC 721-3-2
	Temperature	-40...70 °C
	Humidity	<95% r.h.
	Atmospheric pressure	Min. 260 hPa, corresponding to max. 10,000 m above sea level
Standards	Degree of protection	IP20 (EN 60529)
	Product safety	
	Automatic electrical controls	EN 60730-1
	Electromagnetic compatibility	
	Immunity	EN 60730-1 +A16
	Emissions	EN 60730-1 +A16
	CE conformity	
	EMC directive	2004/108/EC
	Low-voltage directive	2006/95/EC
	Listings	UL916, UL873 CSA C22.2M205
RoHS directive	2002/95/EC (Europe) ACPEIP (China)	
Ordering data	Climatix BACnet / IP module	POL908.00/STD

**BACnet IP
LEDs for diagnostics**



Mode	BUS LED status
BACnet IP running and communication ok	Green on
IP not running	Yellow on
Hardware error	Red on

Mode	BSP LED status
BSP running and communication with controller	Green on
BSP running but no communication with controller	Yellow on
BSP error (software error)	Red blinking at 2 Hz
Hardware error	Red on
BSP upgrade mode	Every second alternating between red and yellow

Engineering notes

- The communication module is attached to the controller with a board-to-board connector
- The connection to Ethernet is made via T-IP port (RJ45 jack)

Disposal



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

Local and currently valid legislation must be observed!

Layout of POL908.00/xxx communication module

