



Climatix™

Climatix communication Modbus module

POL902.00/xxx

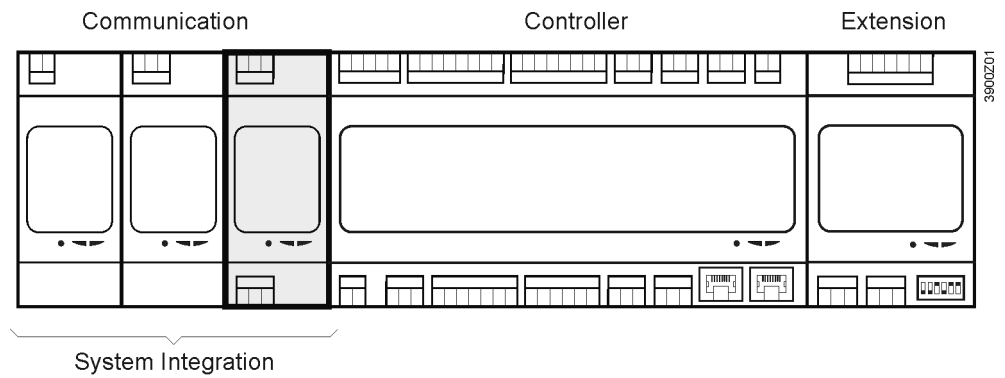
Communication module to connect a POL6xx.xx Climatix controller to a Modbus network.

The POL902.00/xxx communication module offers the following features:

- Integration into a building automation and control system via RS 485 Modbus RTU
- The module features 2 Modbus slave communication ports
- Galvanically isolated connection to the Modbus network
- The module must be connected to a POL6xx.xx controller

The POL902.00/xxx communication module is part of the Climatix product range (also refer to Data Sheet 3900 and Mounting Instructions M3910).

Installation concept



Technical data

General data

Dimensions	W x H x D: 45 x 110 x 75 mm
Weight excl. packaging	85 g
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. 140 mA

Modbus

RS-485 (EIA-485)	T1 and T2
Two Modbus interfaces	
Bus electronics	Galvanically isolated
Bus connection	+, -, REF
Bus cable	Shielded if length >3 m, twisted pair
Bus termination (switch by software)	680 Ω / 120 Ω +1nF / 680 Ω
Baud rate	2400, 4800, 9600, 19200 and 38400

Connection terminals



Example FKCT

Equipped with plug	2 Phoenix FKCT 2,5 /3-ST
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For other types of plug (optional), refer to PolyCool range document 3900 (CB1Q3900en_xx)

Solid wire	0.5...2.5 mm ²
Stranded wire (twisted or with ferrule)	0.5...1.5 mm ²

COMM interface plug

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



System interface

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

- The communication module is attached to the controller with a board-to-board connector
- The connection to the Modbus is made via the connector T1 and T2 ports

Disposal notes



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 POL902.00/xxx communication module

