

INTRODUCTION

The IOLb control unit is used to read and transmit analog and digital input and output signals via the communication loop (CAN) and the main system.

APPLICATIONS

IOLb is designed for connecting standard equipment such as sensors and actuators directly to CAN.

Through the I2C communication bus, the IOLb and the climate control system are prepared for the connection of Lindinvent's I2C sensors.

From software version IOL 5.2.0, AIN can be set via a pre-programmed function that receives and sends an external analog flow to a flow zone. Other functions require programming in the main system.

COMMUNICATION AND USER INTERFACE

- Initial commissioning with the assignment of Node-ID is done via the LINDINSIDE mobile app.
- After assigning the Node-ID, programmed function settings can be adjusted in LINDINSPECT®, Lindinvent's web-based tool for central and coordinated optimization, administration, and visualization.

TECHNICAL SPECIFICATIONS

General

Dimensions (mm): 176 x 105 x 52 (LxBxH)

Material: Polystyrene enclosure

Net weight: 0,3 kg

Color: RAL 9003

IP-Rating: Enclosure is IP53

Temperature limits:

Operation: 10°C till 40°C; <85% RF

Storage: -20°C till 50°C; <90% RF

Design:

Breakable knockouts for cabling ~4 & ~6 mm

External holes for screw mounting

Cover with LED-pipe for exposure of RGB-LED

Electrical System

Power supply: 24 VAC

Power : 1,4 VA

CE-Marking

Complies with EMC and low voltage directive.

Connections

Terminals for: 24 VAC + network (CAN)

Terminal for: AIN, general 0-10 VDC

Terminal for: AUT, general 0-10 VDC

Terminal for: DIN, PULL-UP [+5V] or 0-5 VDC

Terminal for relay (DUT):

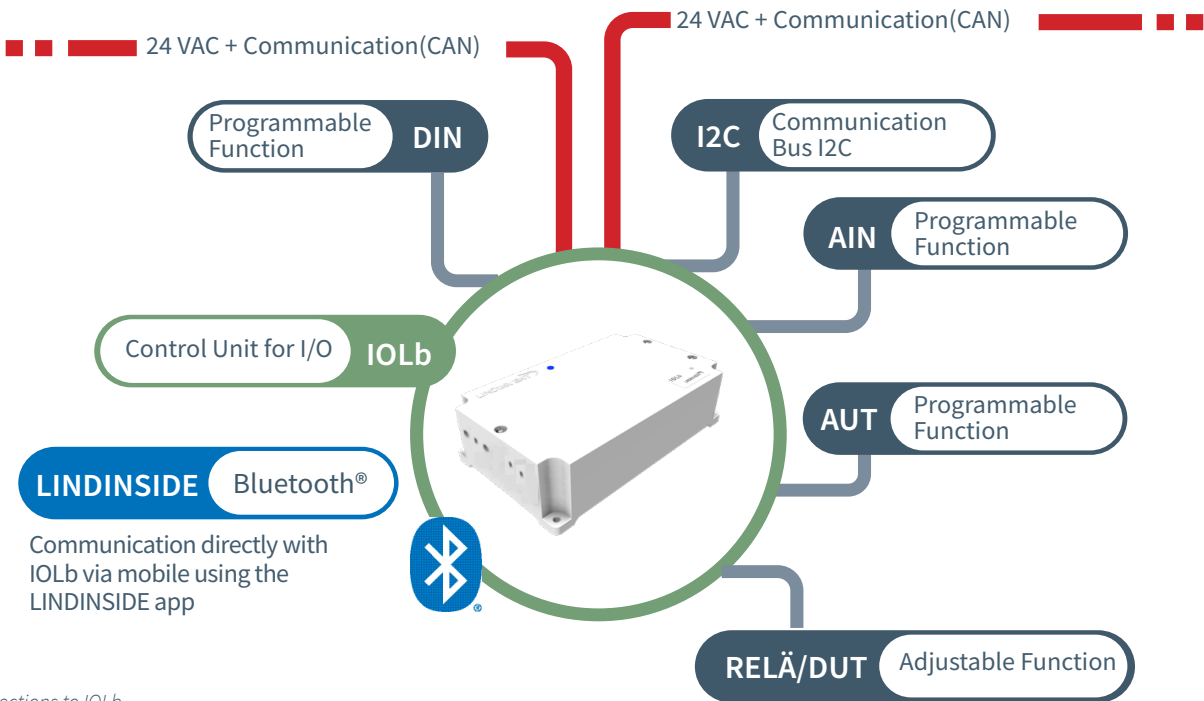
Potential-free switch or 24VAC

I2C communication bus: GS-C (Sound level sensor)

Terminal for generic power supply: G0/+5V/+15V

Module for communication via Bluetooth®

CONNECTIONS



Connections to IOLb.

SUPPLEMENTARY PRODUCT DOCUMENTATION

Documents can be accessed at www.lindinvent.com

Document	Comment
Installation Instructions	Mounting via screw holes in the enclosure. See external wiring diagram for connections.
Commissioning Instructions	Connection via LINDINSIDE with available screen options to read and set control parameters.
Maintenance Instructions	Considered maintenance-free.
External Wiring Diagram	Shows how equipment is connected to IOLb.
Environmental Product Declaration	For assessment by Byggsvarubedömningen in Sweden.
AMA-text	Not available.