

Technical Specifications

Power supply	110 ... 230VAC, 50/60Hz or 20 ... 26VDC
Power consumption	typ. 0.5W / max. 1.2W (with NFC Code Touch for Nano) @ 230VAC typ. 0.4W / max. 1W (with NFC Code Touch for Nano) @ 24VDC
Outputs	2 digital outputs (switching supply voltage) 5A at $\cos\varphi=1$
Inputs	6 digital inputs 24VDC logic 0: 0 ... 5VDC undefined: 5 ... 7VDC logic 1: 7 ... 24VDC 24VDC output, max. 1W
Power loss at max. load	2.6W
Interfaces	Loxone Air: 868MHz (SRD Band Europe), 4 channels available, max. Power 15.1mW e.r.p. 915MHz (ISM Band Region 2), 10 channels available, max. Power 13.2mW internal antenna
Ambient temperature	0 ... 35°C / 32 ... 95°F
Humidity	max. 95% r. H. (non condensing)

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loxone.com/support



For additional information,
declaration of conformity, visit
www.loxone.com/datasheets

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Nano IO Air

Part No.: 100153

About the product

The Loxone Nano IO Air is a device for automatic control and management of home automation and similar non safety critical applications.

Features

- 2 digital outputs (relays)
- 6 digital inputs

Installation

The installation of this device has to be carried out by a qualified person. The device has to be fitted in accordance with building regulations for electrical and fire safety. This requires an installation box or additional enclosure. The electrical connections have to be made in a fashion that ensures a separation distance of at least 4mm between the low voltage cables (digital inputs) and the mains voltage cables (supply and relay outputs). To isolate the device during installation and in case of failure, a local isolation is necessary. This isolation has to be easily accessible and recognizable as such.

If the device is not installed according to manufacturers guidelines the protection of the device may be affected.

Information

Contains FCC ID: 2ARRV-000376

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received, including interference that may cause undesired operation



An alternative connection option for "dry contact" 24V operation can be found in the documentation.

Supply and Relay Outputs

Wire cross-section	1 ... 2.5mm ² / AWG17 ... 13
Stripping length	6mm / 0.24"
Temperature resistance	min. 70°C / 158°F

Digital Inputs

Wire cross-section	0.14 ... 1mm ² / AWG26 ... 17
Stripping length	3.5mm / 0.14"
Temperature resistance	min. 70°C / 158°F
Maximum wire length	3m

Technical Specifications

Safety rating	IP20 (when installed)
Dimensions	53x52x29mm / 2.09x2.05x1.14" (LxWxH)
Maintenance & Cleaning	This device is free of maintenance and may only be cleaned with a dry cloth.

