

## Technical Specifications

|                                   |                                                                                                                                               |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power supply</b>               | 110 ... 230VAC, 50/60Hz,                                                                                                                      |
| <b>Power consumption</b>          | max. 0.5W                                                                                                                                     |
| <b>Outputs</b>                    | 2 digital outputs (switching supply voltage) 5A at $\cos\phi=1$                                                                               |
| <b>Inputs</b>                     | 6 digital inputs 24VDC<br>logic 0: 0 ... 5VDC<br>undefined: 5 ... 7VDC<br>logic 1: 7 ... 24VDC<br>24VDC output, max. 1W                       |
| <b>Power loss at max. load</b>    | 2.6W                                                                                                                                          |
| <b>Interfaces</b>                 | Loxone Air:<br>868MHz (SRD Band Europe),<br>4 channels available<br>915MHz (ISM Band Region 2),<br>10 channels available<br>max. Power 3.16mW |
| <b>Ambient Temperature</b>        | 0 ... 35°C / 32 ... 95°F                                                                                                                      |
| <b>Humidity</b>                   | max. 95% r. H. (non condensing)                                                                                                               |
| <b>Safety rating</b>              | IP20 (when installed)                                                                                                                         |
| <b>Dimensions</b>                 | 53x53x31mm /<br>2.09x2.09x1.22" (LxWxH)                                                                                                       |
| <b>Maintenance &amp; Cleaning</b> | This device is free of maintenance and may only be cleaned with a dry cloth.                                                                  |

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## Need Help?

[loxone.com/support](https://loxone.com/support)



## Nano IO Air

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V060420



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: COR-ZWIR4512AC1

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



For additional information, declaration of conformity, visit [www.loxone.com/help/nano-io-air](http://www.loxone.com/help/nano-io-air)

## Supply and Relay Outputs

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

## Digital Inputs

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

