

## Technical Specifications

|                                |                                                                                                                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power supply</b>            | 18 ... 28VDC                                                                                                                                                                                                                                                                        |
| <b>Power consumption</b>       | typ. 0.34W, max. 1.74W                                                                                                                                                                                                                                                              |
| <b>Inputs</b>                  | 12 digital inputs<br>logic 0: 0 ... 2.2VDC<br>undefined: 2.2 ... 3.8VDC<br>logic 1: 3.8 ... 28VDC<br><br>useable as frequency counter:<br>max. frequency: 200Hz<br>min. pulse width: 2.5ms<br>accuracy: +/- 1Hz                                                                     |
| <b>Outputs</b>                 | 8 digital outputs (relays), bistable, dry contact<br>max. 250VAC 16A at cos =1 (IEC)<br>max. 250VAC 15A at cos =1 (UL)<br>max. 30VDC 5A<br>total load max. 48A<br>4 PWM outputs: 2.1A per channel, 12 ... 28VDC<br>PWM Frequency: lighting: 123Hz;<br>control signal: 26 ... 1627Hz |
| <b>Interfaces</b>              | 1-Wire interface:<br>max. 20 sensors (max. 50mA)<br><br>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<br><br>SMA connector                                                          |
| <b>Power loss at max. load</b> | max. 8.7W                                                                                                                                                                                                                                                                           |

|                                               |                                                                             |
|-----------------------------------------------|-----------------------------------------------------------------------------|
| <b>Safety rating</b>                          | IP20                                                                        |
| <b>Operation</b>                              | Typ 1 (IEC 60730-1, UL 60730-1)                                             |
| <b>Degree of pollution</b>                    | 2                                                                           |
| <b>Rated surge voltage of digital outputs</b> | 2.5kV (UL 60730-1,<br>max. Altitude 2.000m)                                 |
| <b>Ambient temperature</b>                    | -20 ... 55°C / -4 ... 131°F                                                 |
| <b>Humidity</b>                               | max. 95% r.H. (non condensing)                                              |
| <b>Dimensions</b>                             | 157x88x57mm / 6.18x3.46x2.24" (LxWxH)                                       |
| <b>Maintenance &amp; Cleaning</b>             | The device is free on maintenance and may only be cleaned with a dry cloth. |

## Connection

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| <b>Wire cross-section</b>        | 0.05 ... 2.5mm <sup>2</sup> / AWG30 ... 12<br>Load >12A: min. 2,5mm <sup>2</sup> / min. AWG 12 |
| <b>Stripped length</b>           | 6 ... 7.5mm / 0.23 ... 0.29"                                                                   |
| <b>Torque of terminal blocks</b> | 0.5 ... 0.6Nm / 0.37 ... 0.44 lbf ft                                                           |
| <b>Temperature esistance</b>     | min. 80°C / 176°F for IEC,<br>min. 75°C / 167°F for UL                                         |



For more information  
about this product, visit  
[www.loxone.com/help/multi-air](http://www.loxone.com/help/multi-air)

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# Multi Extension Air



For additional information,  
declaration of conformity, visit  
[www.loxone.com/datasheets](http://www.loxone.com/datasheets)

V231122

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Part No.: 100116

LOXONE

## About the product

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

## Installation & electrical connection

The installation of the devices has to be mounted on a DIN rail in an electrical distribution housing (Standard distribution) and may only be performed by qualified personnel.

Protection against electrical contact and fire protection must be provided in the final installation by the use of a standards compliant/approved housing.

To turn the unit on/off during installation and in case of failure, a separator (disconnecting device) must be present. These must be easily accessible and visible.

If the unit is used in a non conform manner as specified by the manufacturer the product included safeguards will be impaired.

## 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

This Folder is a part of the product!

