

Technical Specifications

Power supply	18 ... 28VDC
Power consumption	typ. 340mW, max. 1.74W
Inputs	12 digital inputs logic 0: 0 ... 2.2VDC undefined: 2.2 ... 3.8VDC logic 1: 3.8 ... 28VDC max. frequency: 500Hz min. pulse width: 3ms accuracy: + - 1Hz
Outputs	8 digital outputs (relays), bistable, dry contact max. 250VAC 16A at cos φ =1 (IEC) max. 250VAC 15A at cos φ =1 (UL) or max. 30VDC 5A total load max. 48A 4 PWM outputs: 2.1A per channel, 12 ... 28VDC
Interfaces	1-Wire interface: max. 20 sensors (max. 50mA) Loxone Air: 868MHz (SRD Band Europe), 4 channels available 915MHz (ISM Band Region 2), 10 channels available max. Power 3.16mW SMA connector with 1.8 dBi stub- antenna
Power loss at max. load	max. 8.7W

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

Connection

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

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Multi
Extension
Air

Part No: 100116

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V240220

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!



For additional information, declaration of conformity, visit www.loxone.com/help/multi-air

