Air2One Internal Reader SET

Air2One Set Internal Reader, 0923 Lock, PS 12W
Article Number: MI-SET1-AIR-0923-01I

Ultra compact FURNITURE ACCESS Controller with Integrated Reader, supporting the full range of convenience and security features.

This SET contains all components, required to secure one door or drawer with a compact and high resistance magnetic lock type. The Internal Reader allows flexible placement, and the Power Supply fulfils worldwide safety standards.

APP control and flexible key-management are included, a wide range of security features are optional available on subscription base.
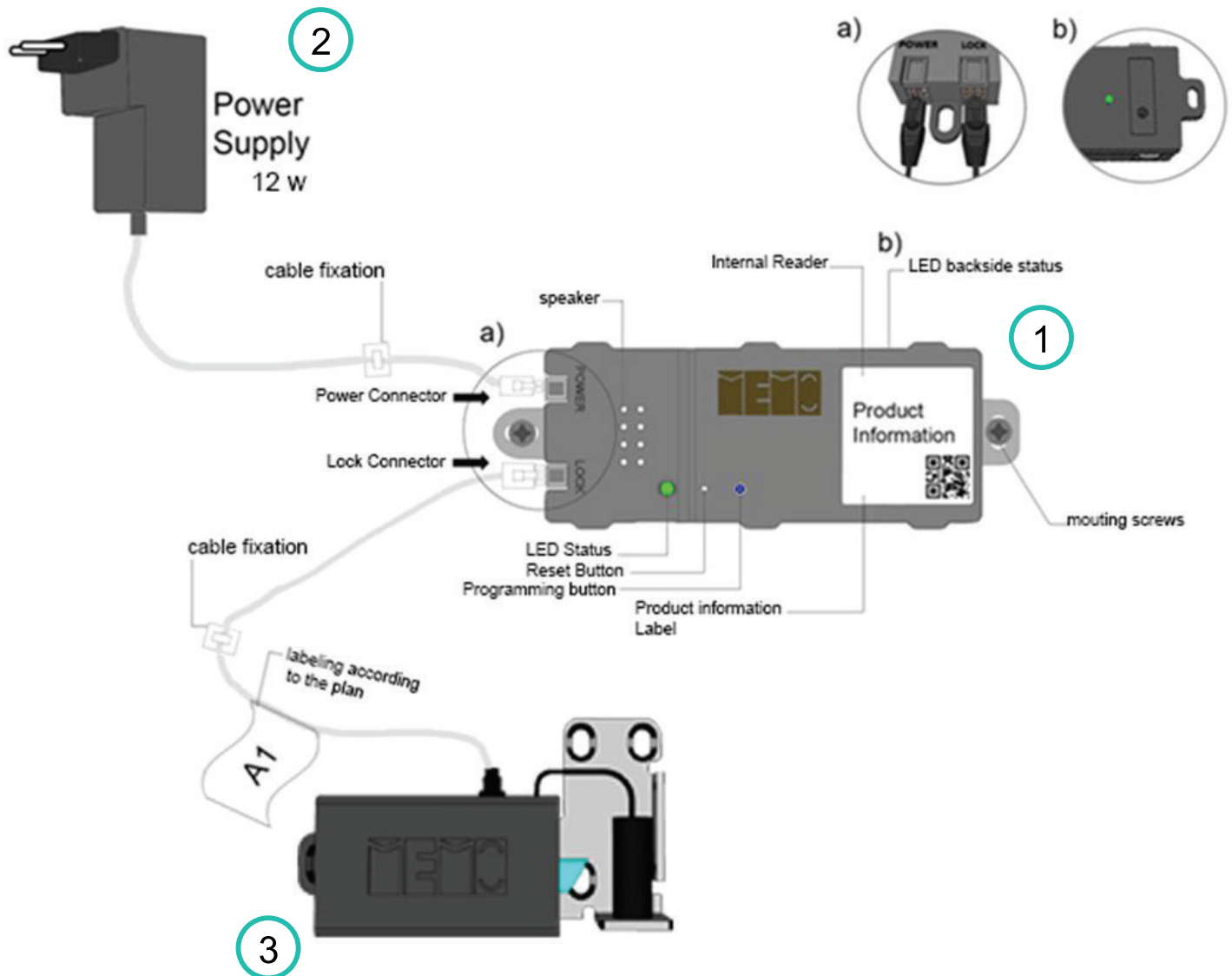
1. Integrated Reader Controller
2. Lock 0923
3. Power Supply
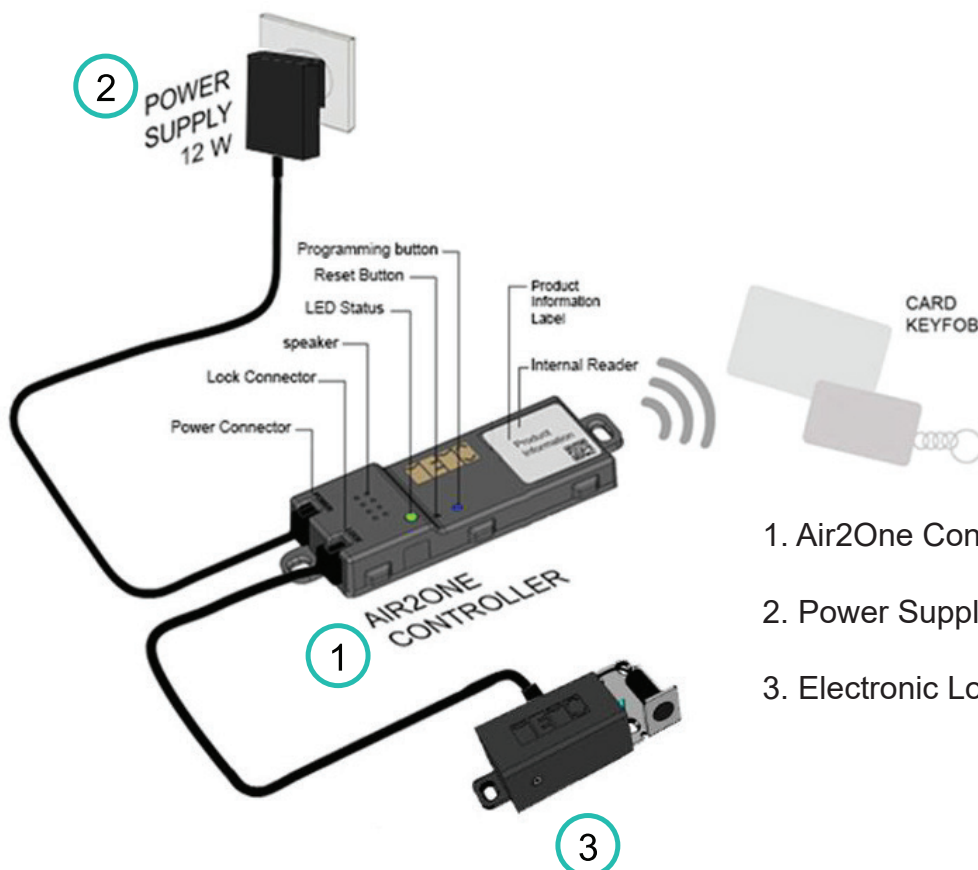
1. Air2One Controller - Internal Reader

2. Power Supply WW 12W

3. Electronic Lock 2002

Air2One Internal Reader SET

2 Power Supply 12 w

a) POWER LOCK   b)

cable fixation

a)

Internal Reader   b) LED backside status

1

speaker

Power Connector

Lock Connector

POWER

LOCK

Product Information

mouting screws

cable fixation

LED Status
Reset Button
Programming button

Product information Label

labeling according to the plan

A1

3

1. Air2One Controller - Internal Reader

2. Power Supply WW 12W

3. Electronic Lock 2002

Air2One Internal Reader Controller

Furniture Access & Security Controller
Article Number: MI-CON-0001I-AIR

FURNITURE ACCESS Controller with integrated RFID Key reader – ultra compact size allows mounting directly behind the furniture front panel. The device provides acoustic and visual status information and simple connectivity by labelled connectors for the lock and power supply. Connectivity to one lock, supporting the full range of MEMOs furniture lock types.
Connectivity to one lock, supporting the full range of MEMOs furniture lock types.
Optional:

• A wide range of SECURITY FEATURES configurable via mobile APP(Android or iOS).
• BLUETOOTH mesh for wireless network.
• WIFI settings to benefit from the optional MAINTENANCE & STATISTICS package.
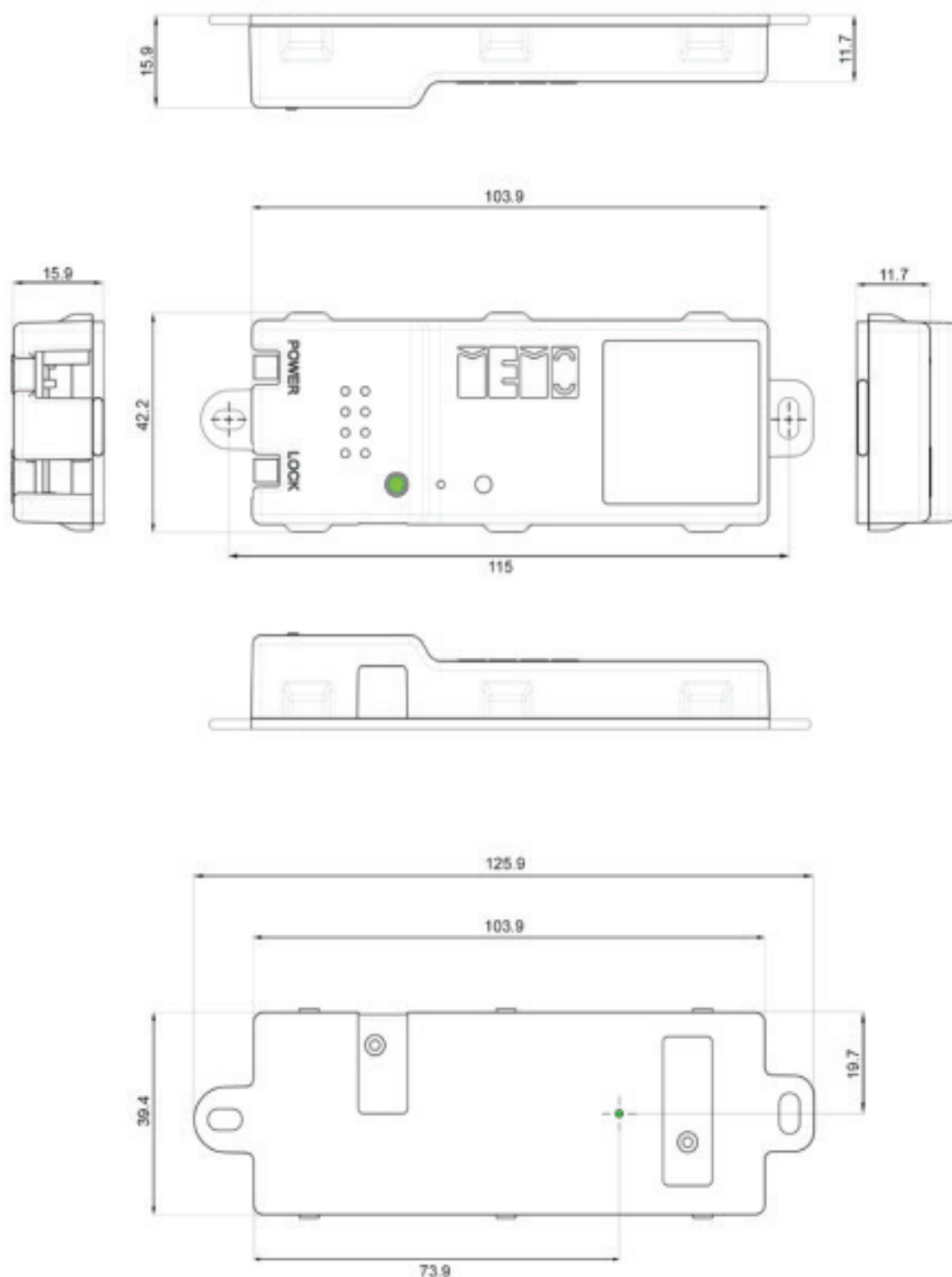
Technical Data

Dimension	125.9 x 42.2 x 15.9 (mm) / 4.95 x 1.66 x 0.62 (inch)
Input Voltage	12 V DC ±10% (External Power Supply)
Power Dissipation	Typical 4W, Maximum 10W
Temperature Range	10°C – 50°C
Protection Rating	IP20
Controlled Outputs	1 (1 volt-free contact + 1 load driver parallel)
Volt-Free Contact Maximum Voltage	24V
Volt-Free Contact Maximum Current	20mA
Load Driver Output Voltage	Power Supply voltage (Fuse Protected 1.1A)
Alarm Sensor Inputs	1

Features

|	
Overvoltage Protection	YES
Over current Protection	YES
Audio Feedback	Onboard 8 Ohm Speaker
Visual Indicator	2 x RGB LED (Top and Bottom)
Network Functions	Secured BLE MESH between nodes
Confi guration and Management	Android or iOS Mobile application
Emergency Opening Support	YES
Security Opening with Door Control	YES
Certifications	CE, FCC, ROHS

Air2One Internal Reader Controller

Dimension

Dimensions expressed in mm
Tolerance +-0.5 mm

Air2One Internal Reader Controller

Mounting Recommendations
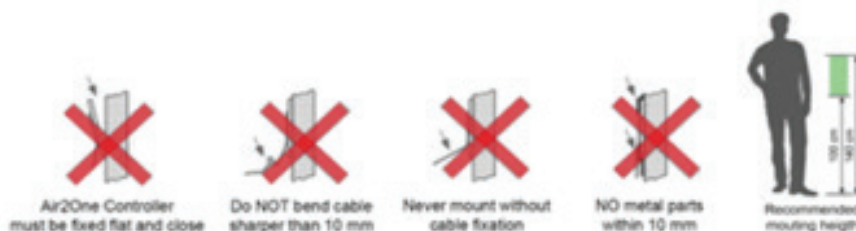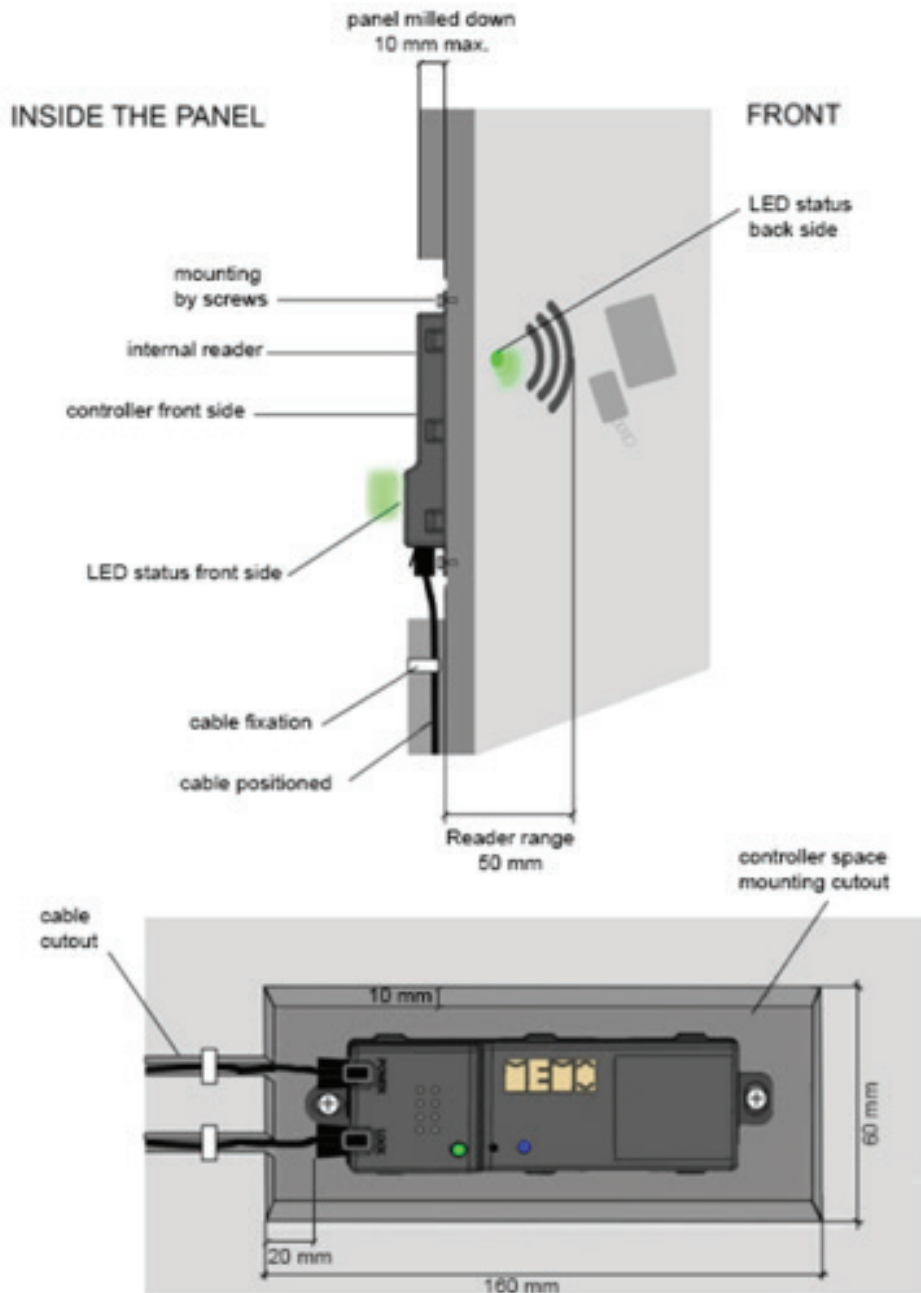
Air2One PS 12 W

Power Supply 12 W AIR
AC Plug Type: Worldwide
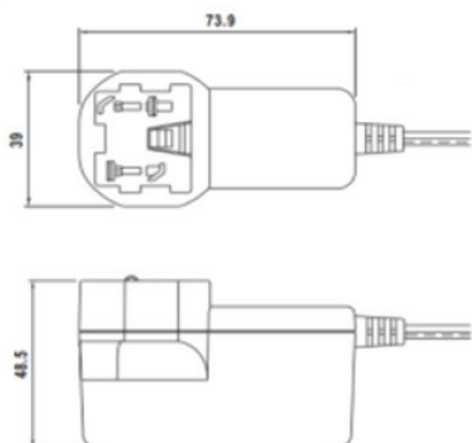
Article Number: MI-PSY3-0012-12AIR

Technical Data

Dimensions (LxWxH)	73,9 x 39 x 48,5 (mm)
Cable Length	1,0 m 12 V DC Line / No Power Cord
Input Voltage	100 – 240 VAC, 50 – 60 Hz
Connector	4 pin Molex Nano - fit socket
Operating Voltage	12 V DC
Power	12 W
Current	1A
Power Loss at 40 °C	- 30 %
Temperature Range	-10 °C to 50 °C

Features

Overload / Overvoltage Protection	YES
Safety Isolation	YES
Worldwide Power Standards	YES
Certifications	TÜV/GS, EN/EC, CE, UL, FCC, CSA, CCC, AS/NZS, ROHS

Dimensions

(mm)

73.9

39

48.5

EUROPEAN TYPE

AMERICAN TYPE

AUSTRALIAN TYPE

BRITISH TYPE

Air2One Lock 0923

Electric Furniture Lock

Magnetic Door Sensor
Article Number: MI-MMV1-0923-AMAIR

This lock type combines compact design with high resistance against break in attempts. External magnetic door sensor, manipulation proofed, is included + latch 15 mm. A very compact lock for versatile mounting positions.

Technical Data

Compressive tensile strength	**400 Kg***
Cable Length	**3 m**
Connector	**6 pin Molex Nano-fit Socket**
Bolt	**Steel Bolt 8 mm**
Operating Voltage	**12 V DC**
Locking Cycles	**1 000 000**
Current Consumption	**420 mA**
Power Supply requirement for 8 Locks	**40 W**
Temperature Range	**0 °C to 50 °C**
Dimensions (LxWxH)	**90 x 52 x 25 (mm)**
Door Latch Dimensions (LxWxH)	**49.5 x 32 x 16 (mm)**

Features

Door Open Sensor	**YES (External Security Reed Sensor)**
Push-to-Open Capability	**YES**
Auto-Eject	**NO**
Mechanical Emergency Opening	**NO**
Permanent ON Capability	**YES**

* Perfect mounting situation on high performance steel frames, mounting with steel bolts. For best security keep door gaps as small as possible, max. 3 mm recommended! Applicable on wooden furniture - strength of lock will be higher than that of the wood.
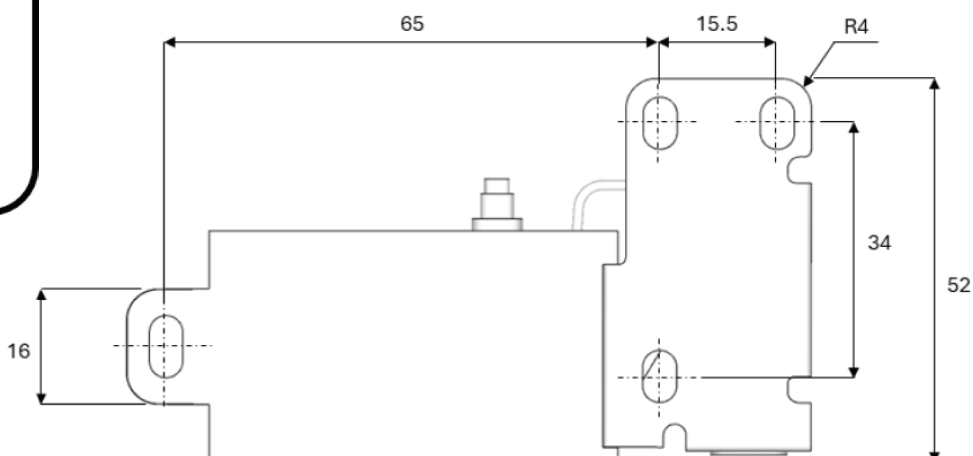
Locking function MUST be tested in a sample furniture before final production regarding manipulation security and tolerance for misalignment - to ensure safe and secure locking!

Lock Installation MUST be tested while assembly before the door/drawer is closed the first time - to avoid blocking access into a cabinet!
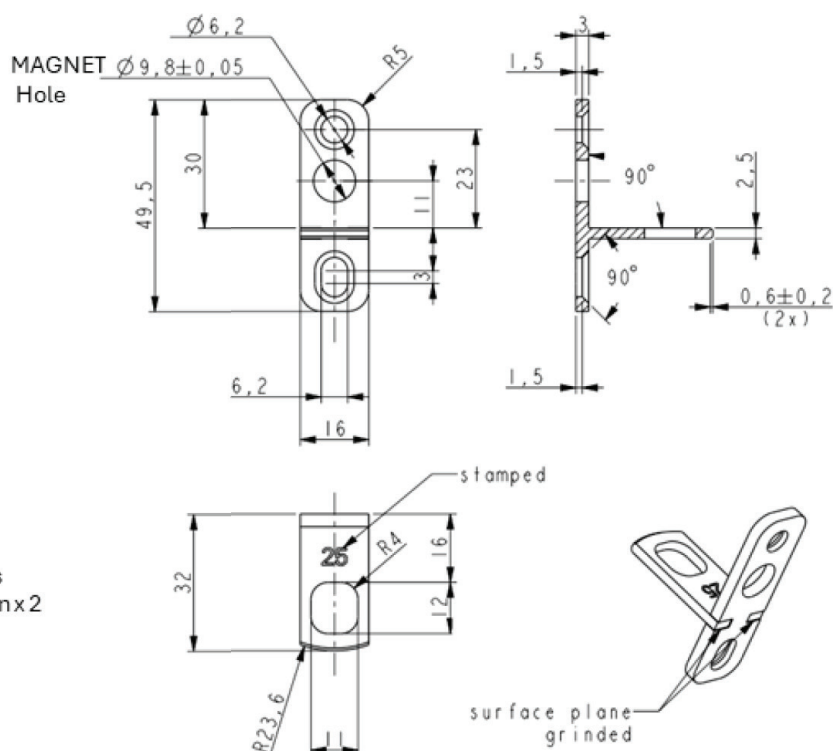
Air2One Lock 0923

SCAN ME !

3D

Air2One Lock 0923

Power OFF

Power ON

Dimensions expressed in mm
Tolerance +-0.5 mm

Air2One Lock 0923

Latch and Sensor

*DOOR SENSOR / MAGNET
Distance from Lock
Minimum 25 mm
Maximum 35 mm

6.5

9

12   19   9

4.5

2.5

Door Panel

DOOR SENSOR

A'   MAGNET Fixation   A

Latch Dimensions

*DOOR SENSOR / MAGNET

Ø9.5

7

3.5

1.2

3

27.5

Ø 9

MAGNET Ø9,8±0,05
Hole

Ø6,2

R5

30

49,5

23

11

3

6,2

16

3

1,5

90°

90°

2,5

0,6±0,2
(2 x)

1,5

Latch
Screws
Fixation x 2

MAGNET
Fixation

stamped

25   R4

32

16

12

R23,6

surface plane
grinded
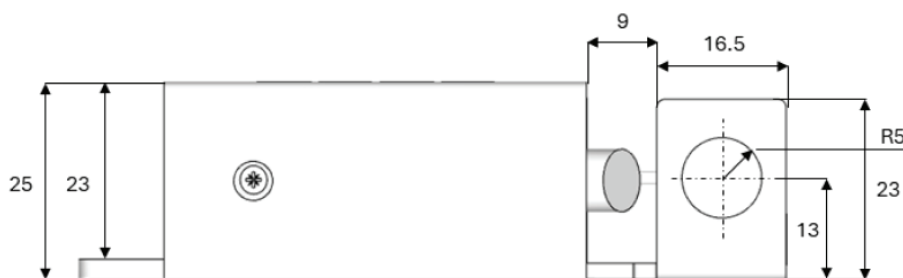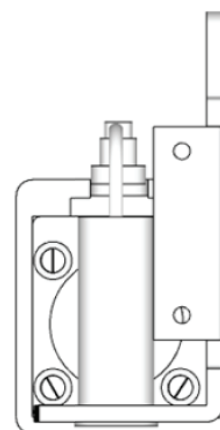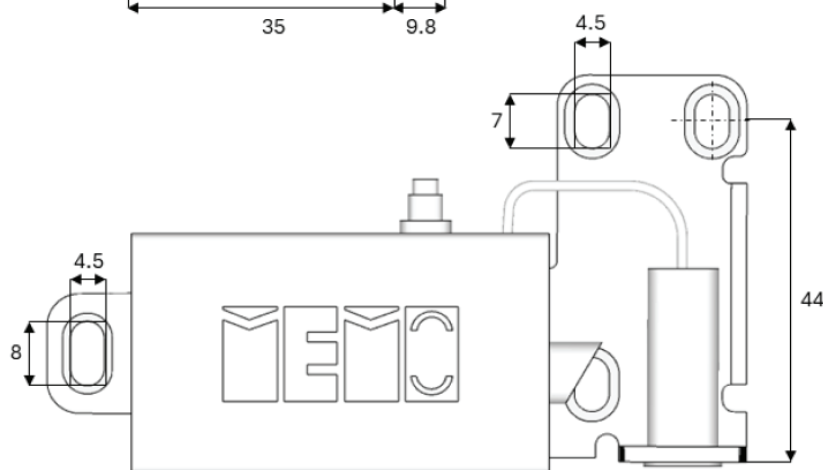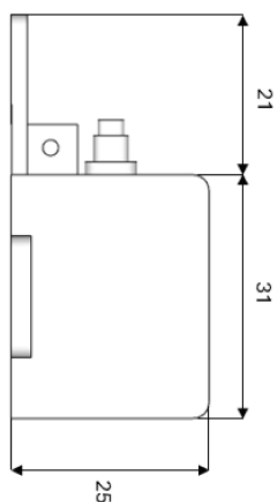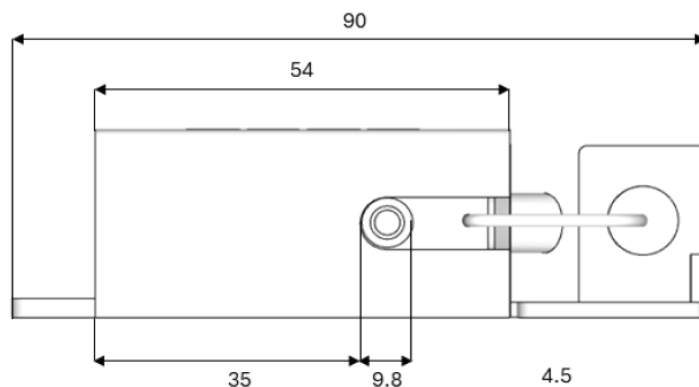
Dimensions expressed in mm
Tolerance +-0.5 mm

Air2One Lock 0923

Examples and Recommendations
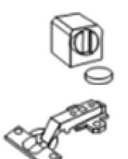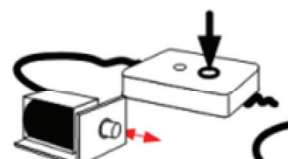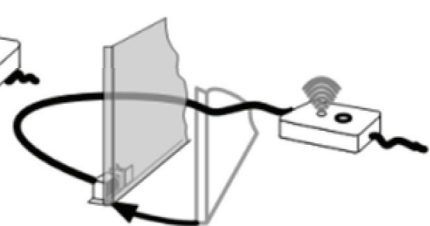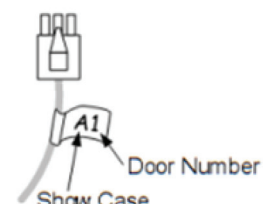
ATTENTION !

**FOLLOW THE INSTALLATION RECOMMENDATIONS CAREFULLY!
LOCK SHOULD BE INSTALLED IN SUCH A WAY THAT IT CAN BE DISMANTLED FROM THE
OUTSIDE IN CASE OF DEFECT WHILE THE DOOR IS LOCKED. SO THAT ACCESS TO THE
CABINET CAN BE MAINTAINED AT ALL TIMES.**

Self-closing hinges and holding magnets MUST be used - NO opening tension on doors and drawers!

Preferred mounting position: horizontal!

Test lock function on a prototype before going into production!

AIR2-LINE FAMILY

1.Lock Types

MOTOR LOCK - DOOR SENSOR

MI-MMV1-0002-12HSAIR

MI-MMV1-2002-12HSAIR

b) MAGNETIC LOCKS - DOOR SENSOR

MI-MMV1-0923-12AMAIR

MI-MMV1-1051AIR

c) OWD's

FLAT

ANGLED

VERTICAL

2.Power Supply

PSY3-0012-12AIR
Power Supply 12W

PSY5-0040-12AIR
Power Supply 40W

3. External Readers

MI-ANT3-0001-03AIR
Reader Type III

MI-ANT5-0001-03AIR
Reader Type V

MI-ANT7-0000-03AIR
Reader Type VII