

## Air2One Internal Reader SET

### Air2One Set Internal Reader, 1051 Lock, PS 12W

Article Number: MI-SET1-AIR-1051-01I

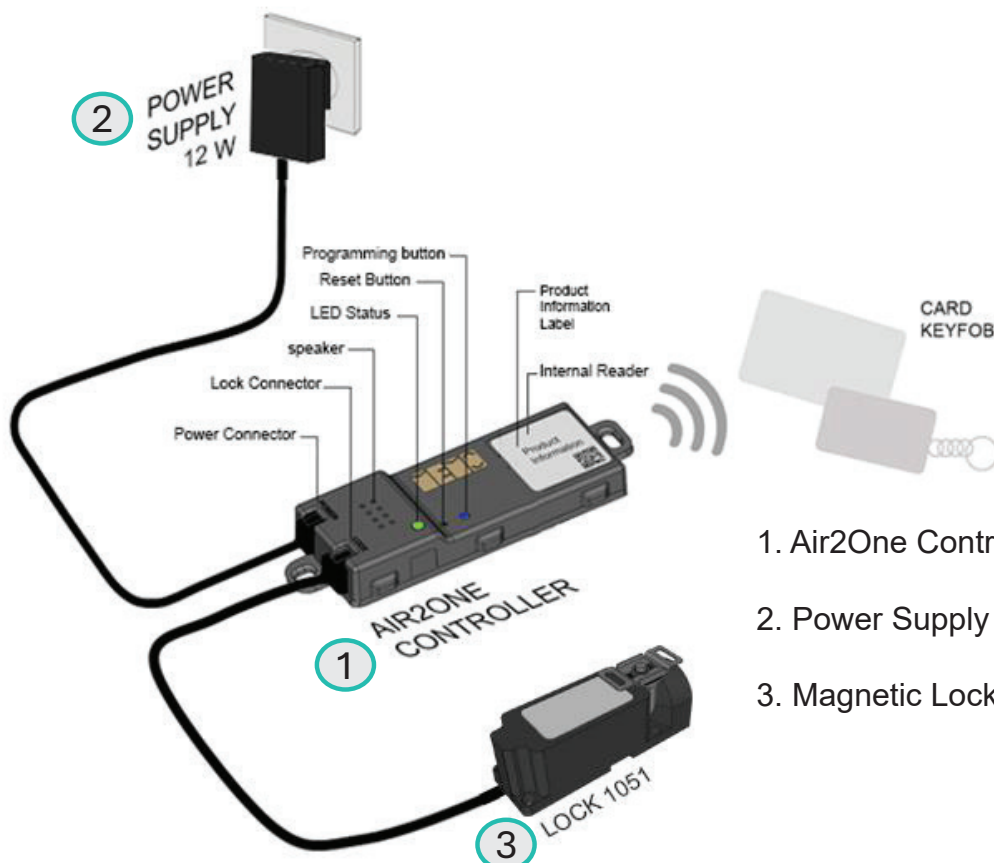
Ultra compact FURNITURE ACCESS Controller with Integrated Reader, supporting the full range of convenience and security features.

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.

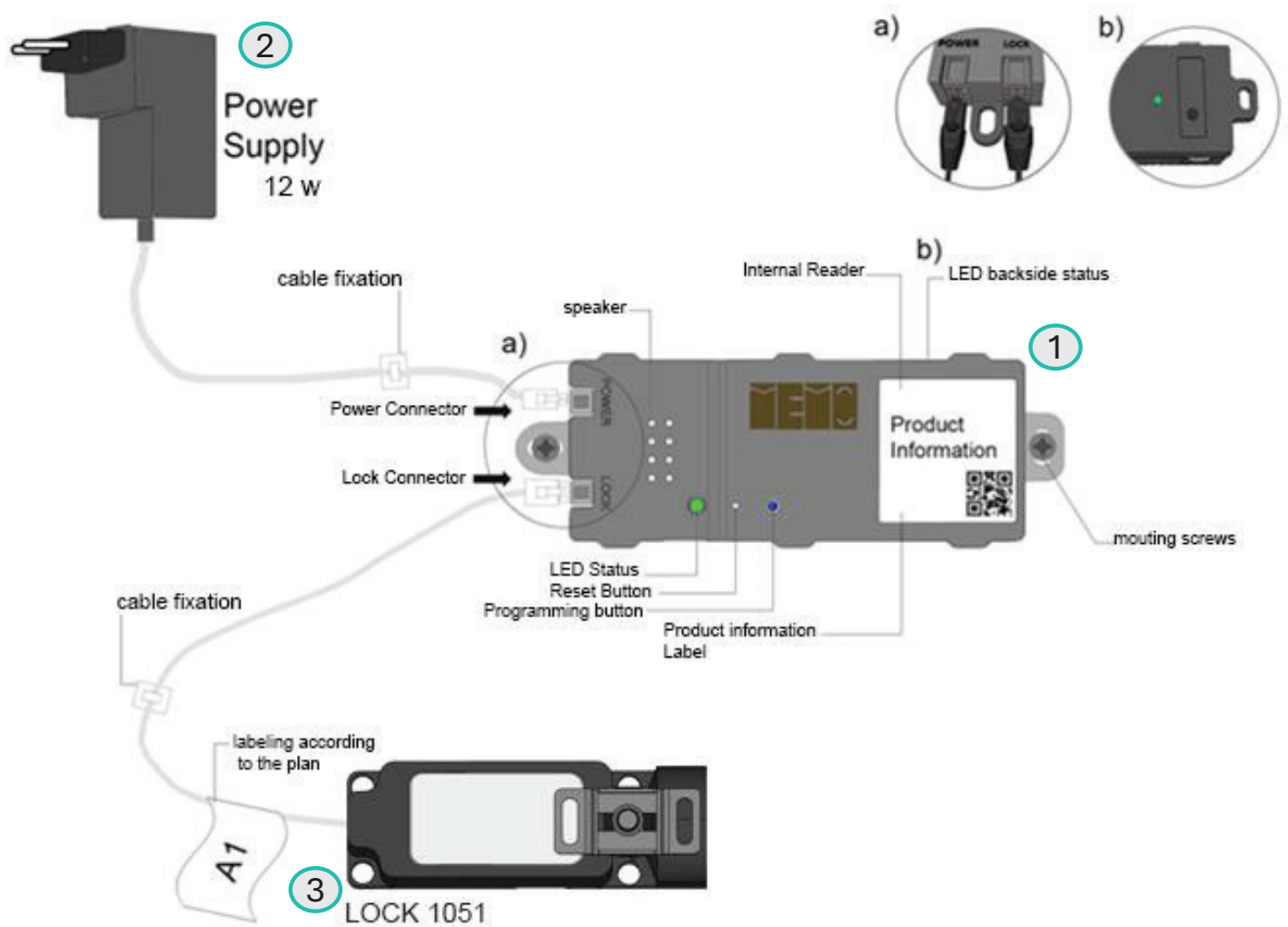


1. Integrated Reader Controller
2. Lock 1051
3. Power Supply



1. Air2One Controller - Internal Reader
2. Power Supply WW 12W
3. Magnetic Lock 1051

## Air2One Internal Reader SET



1. Air2One Controller - Internal Reader
2. Power Supply WW 12W
3. Magnetic Lock 1051

# Air2One Internal Reader Controller

## Furniture Access & Security Controller

Article Number: MI-CON-00011-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

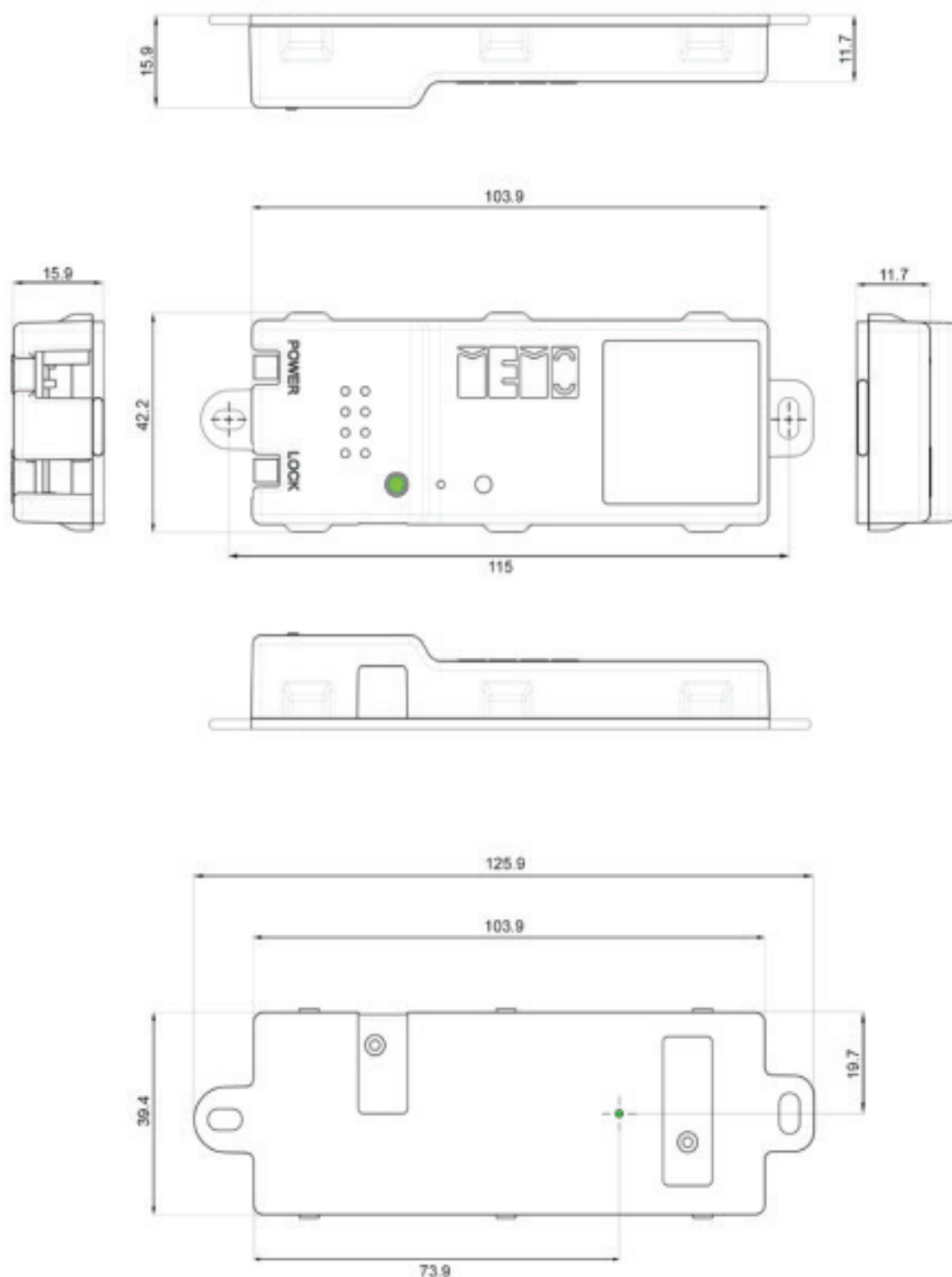
Dimension	125.9 x 42.2 x 15.9 (mm) / 4.95 x 1.66 x 0.62 (inch)
Input Voltage	12 V DC $\pm 10\%$ (External Power Supply)
Power Dissipation	Typical 4W, Maximum 10W
Temperature Range	10°C – 50°C
Protection Rating	IP20
Controlled Outputs	1 (1 volt-free contact + 1 load driver parallel)
Volt-Free Contact 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
Configuration 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

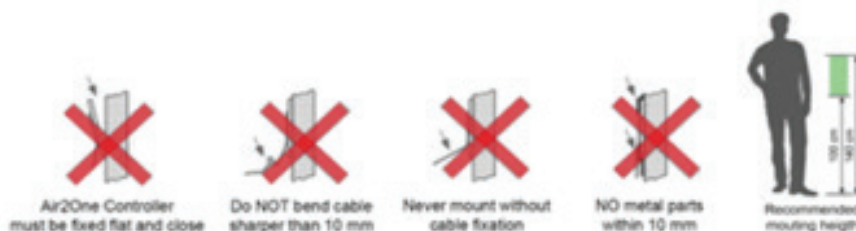
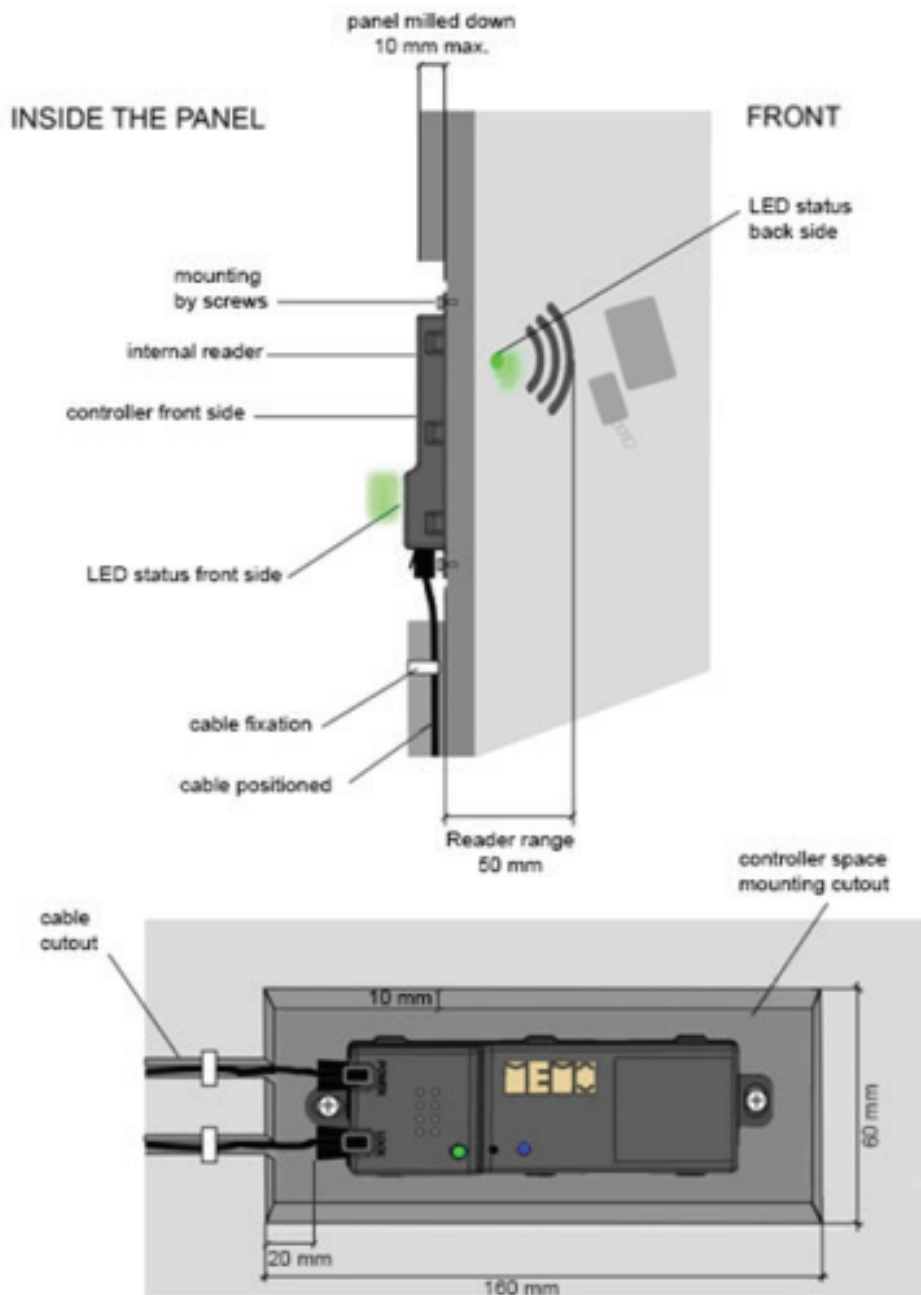
## Dimension



Dimensions expressed in mm  
Tolerance  $\pm 0.5$  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

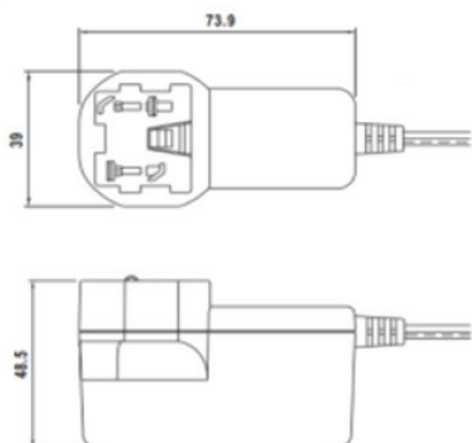
Dimensions (LxWxH)	73,9 x 39 x 48,5 (mm)
Cable Length	1,0 m 12 V DC Line / No Power Cord
Input Voltage	100 – 240 VAC, 50 – 60 Hz
Connector	4 pin Molex Nano - fit socket
Operating Voltage	12 V DC
Power	12 W
Current	1A
Power Loss at 40 °C	- 30 %
Temperature Range	-10 °C to 50 °C





## 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)



	
EUROPEAN TYPE	AMERICAN TYPE
	
AUSTRALIAN TYPE	BRITISH TYPE

# Air2One Lock 1051

## Electric Furniture Lock

## Magnetic Door Sensor

Article Number: MI-MMV1-1051-AIR

Solid furniture lock with metal housing. Built-In mechanical door sensor. Flexible mounting options, features push-to-open capability.



### Technical Data

Compressive tensile strength	200 Kg*
Cable Length	3 m
Connector	6 pin Molex Nano-fit Socket
Bolt	Steel Bolt 4,5 mm
Operating Voltage	12 V DC
Locking Cycles	500 000
Current Consumption	200 mA
Power Supply requirement for 8 Locks	25 W
Temperature Range	-10 °C to +40 °C
Dimensions (LxWxH)	94 x 30 x 32 (mm)
Door Latch Dimensions (LxWxH)	40 x 31 x 21 (mm)

### Technical Data

Door Open Sensor	YES
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.

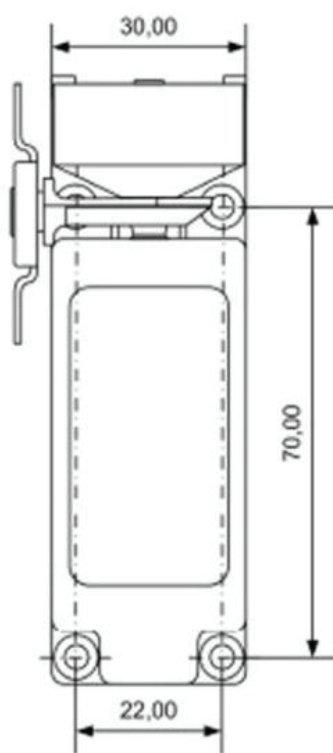
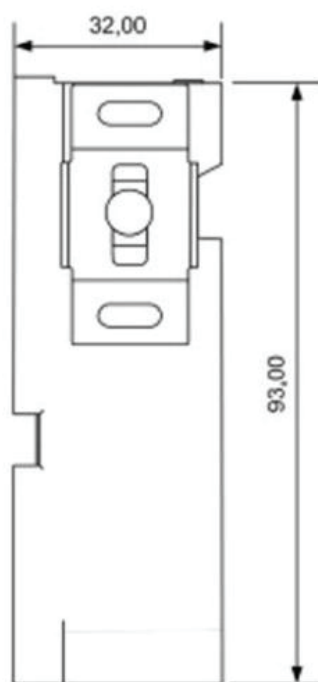
Locking function MUST be tested in a sample furniture before final production regarding manipulation security and tolerance for misalignment - to ensure safe and secure locking!

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

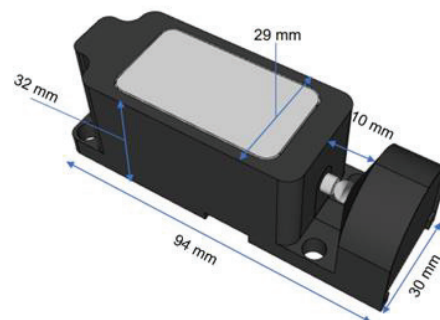
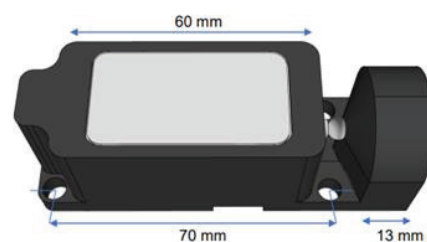


## Air2One Lock 1051

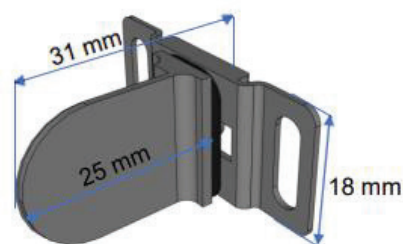
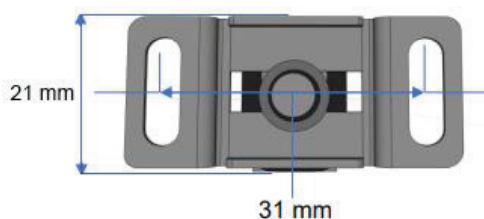
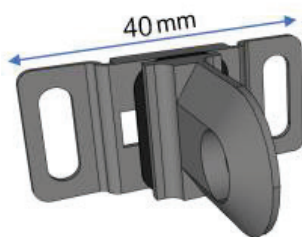
### Lock Dimensions



SCAN ME!



### Latch Dimensions

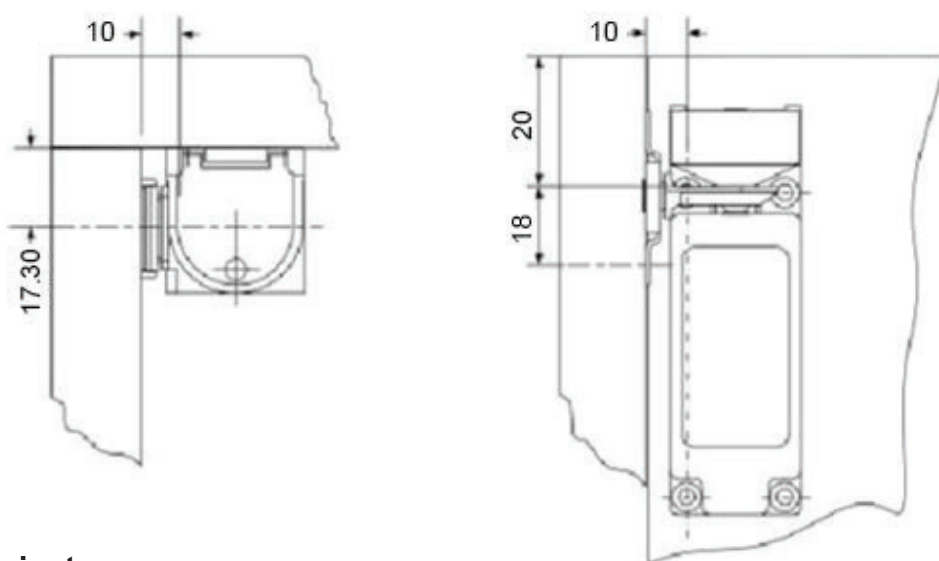


Dimensions expressed in mm  
Tolerance  $\pm 0.5$  mm

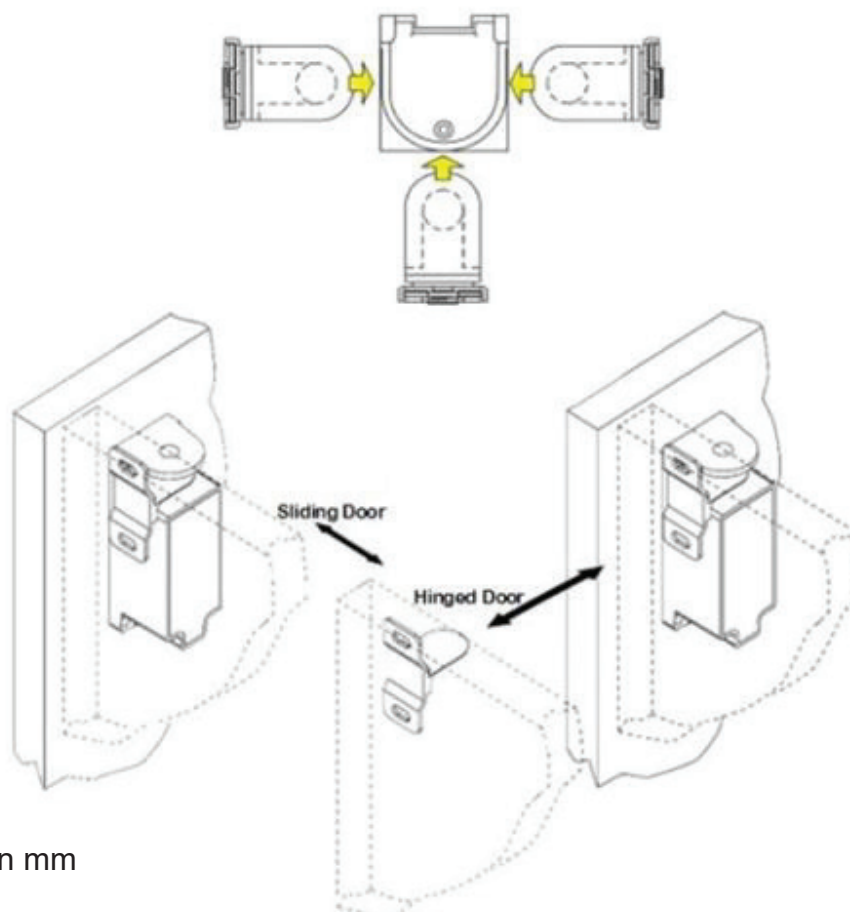


# Air2One Lock 1051

## Installation Dimensions



## Installation Variants




Dimensions expressed in mm  
Tolerance  $\pm 0.5$  mm


# Air2One Lock 1051

## Examples and Recommendations


**Electro Lock**  
**MMV1051**



in combination with:  
**PUSH to OPEN**




**NO preload on doors –**  
unlocked doors must stay  
closed!



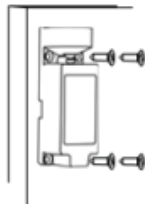
Contact:  
service@memo.co.at  
Tel.: +356 2149 2262

**1 Recommendation:**

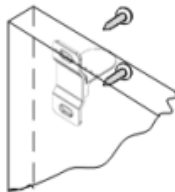


Magnet holder  
or  
Spring hinges

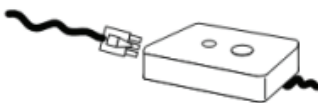
**2 Lock installation:**



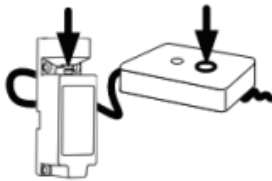
**3 Installation of lock bolt:**



**4 Connect lock to test unit:**

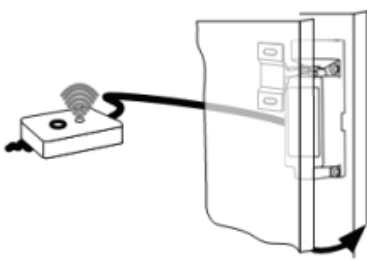


**5 Push button:**



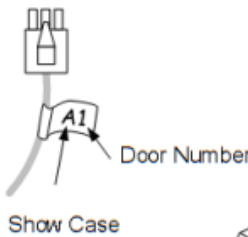
Check Lock activation!

**6 Close door only if lock activation was OK:**



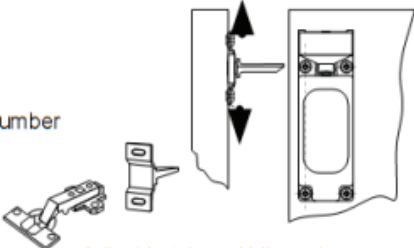
Check Door Sensor!

**7 Label cable according to plan:**



Door Number  
Show Case

**8 Check free opening and closing:**



Adjust Latch and Hinges!

Version: 1.5  
Date: 12.07.2018  
Author: kc

### 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!

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