Door Control Unit

Wall-mount card reader ALV2DCU.DP
Controller and power supply MPC1/MPC2

- Can be used for common door access.
- Reader to be programmed to lock and unlock automatically at predetermined times, set by the property.
- DC12V or DC24V output is available for Magnetic locks, electrified panic bars, electric strikes or other locking device.
- Battery backup is available with only MPC1 (Battery is not included).
### Specifications

**Wall mount card reader**

<table>
<thead>
<tr>
<th>Type</th>
<th>ALV2DCU.DP (RFID only)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>External dimensions</strong></td>
<td>W121mm x H184mm x D68.8mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>300g</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>Supplied from controller</td>
</tr>
<tr>
<td><strong>Environmental condition</strong></td>
<td>−5℃<del>+50℃ / 20</del>80%RH (No condensation)</td>
</tr>
</tbody>
</table>

**Controller and power supply**

<table>
<thead>
<tr>
<th>Type</th>
<th>MPC1 (With Battery Space)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>External dimensions</strong></td>
<td>W330mm x H343mm x D86mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>2.86kg / MPC2: 2.33kg</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>AC100V/1.5A or AC230V/1.0A</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>Normal open or close contact 1 relay</td>
</tr>
<tr>
<td><strong>Duration of contact</strong></td>
<td>3~18 sec. adjustable</td>
</tr>
<tr>
<td><strong>Contact capacity</strong></td>
<td>DC30V / 5A</td>
</tr>
<tr>
<td><strong>Environmental condition</strong></td>
<td>Internal installation only</td>
</tr>
<tr>
<td><strong>Certification</strong></td>
<td>UL 60950-1, EN 60950-1, EN 61000-6-3, EN 55011, EN 55032</td>
</tr>
</tbody>
</table>

**MPC2 (No Battery Space)**

*No including a lid size.*

### Diagram

![Diagram of the device](image)

- **Controller and Power Supply**
  - **Magnetic lock**
  - **Output DC12V / DC24V**
  - **2C line**
  - **6C line / Max 10m**
  - **AC100~240V**
  - **Controller**

### Detail Drawing

**MPC1 (With Battery Space)**

*No including a lid size.*

**MPC2 (No Battery Space)**

*No including a lid size.*

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**ALV2DCU.DP**
Door Control Unit

Wall-mount card reader
ALV2DCU2.DP/ALVBDCU2.DP

Controller and power supply
MPC1/MPC2

- Can be used for common door access.
- Exterior card reader to accept guest and staff keys.
- Reader to be programmed to lock and unlock automatically at predetermined times, set by the property.
- DC12V or DC24V output is available for Magnetic locks, electrified panic bars, electric strikes or other locking device.
- Battery backup is available with only MPC1 (Battery is not included).
- ALVB Available with Mobile key option.

MIWA LOCK CO., LTD.

JAPAN 3−1−12, Shiba, Minato-ku, Tokyo 105−8510
URL: www.miwa-lock.biz

U.S.A 9272 Jeronimo, Suite 119, Irvine CA 92618
URL: www.miwalock.com
Specifications

Wall mount card reader

Type
ALV2DCU2.DP (RFID only)
ALVBDCU2.DP (RFID + BLE)

External dimensions
W118mm × H123mm × D24.7mm

Weight
90g

Power supply
Supplied from controller

Environmental condition
−5℃~+50℃ / 20~80%RH (No condensation)

Controller and power supply

Type
MPC1(With Battery Space)
MPC2(No Battery Space)

External dimensions
MPC1 : W330mm × H343mm × D86mm
MPC2 : W197mm × H311mm × D86mm

Weight
MPC1 : 2.86kg / MPC2 : 2.33kg

Power supply
AC100V/1.5A or AC230V/1.0A

Output
Normal open or close contact 1 relay

Duration of contact
3~18 sec. adjustable

Contact capacity
DC30V / 5A

Environmental condition
Internal installation only
0℃~+50℃ / 20~80%RH (No condensation)

Certification
UL 60950-1, EN 60950-1
EN 61000-6-3, EN 55011, EN55032

Detail Drawing

MPC1 (With Battery Space)

※ No including a lid size.

MPC2 (No Battery Space)

※ No including a lid size.

Diagram

Wall mount card reader

Output DC12V / DC24V
2C line

Magnetic lock

Card reader

AC100~240V

Controller
ALV2 (ALVB) series / Peripherals

Door Control Unit

- Surface-mount card reader: ALV2DCU3.DP/ALVBD CU3.DP
- Controller and power supply: MPC1/MPC2

- Can be used for common door access.
- Reader to be programmed to lock and unlock automatically at predetermined times, set by the property.
- DC12V or DC24V output is available for Magnetic locks, electrified panic bars, electric strikes or other locking device.
- Battery backup is available with only MPC1 (Battery is not included).
- ALVB Available with Mobile key option.
Specifications

**Surface mount card reader**

**Type**
- ALV2DCU3.DP (RFID only)
- ALVBDCU3.DP (RFID + BLE)

**External dimensions**
- W76mm × H120mm × D33mm

**Weight**
- 270g

**Power supply**
- Supplied from controller

**Environmental condition**
- −5℃~+50℃ / 20~80%RH (No condensation)

**Controller and power supply**

<table>
<thead>
<tr>
<th>Type</th>
<th>MPC1 (With Battery Space)</th>
<th>MPC2 (No Battery Space)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>External dimensions</strong></td>
<td>MPC1: W330mm × H343mm × D86mm</td>
<td>MPC1: 2.86kg / MPC2: 2.33kg</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Normal open or close contact 1 relay</td>
<td>DC30V / 5A</td>
</tr>
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<td></td>
</tr>
</tbody>
</table>

**Controller and power supply**

**Type**
- MPC1 (With Battery Space)
- MPC2 (No Battery Space)

**External dimensions**
- MPC1: W330mm × H343mm × D86mm
- MPC2: W197mm × H311mm × D86mm

**Weight**
- MPC1: 2.86kg / MPC2: 2.33kg

**Power supply**
- AC100V/1.5A or AC230V/1.0A

**Output**
- Normal open or close contact 1 relay

**Contact capacity**
- DC30V / 5A

**Environmental condition**
- Internal installation only
- −5℃~+50℃ / 20~80%RH (No condensation)

**Certification**
- UL 60950-1, EN 60950-1, EN 61000-6-3, EN55011, EN55032

**Diagram**

[Diagram of the card reader and controller setup]

**Detail Drawing**

**MPC1 (With Battery Space)**

- No including a lid size.

**MPC2 (No Battery Space)**

- No including a lid size.

**ALV2DCU3.DP**

**ALVBDCU3.DP**