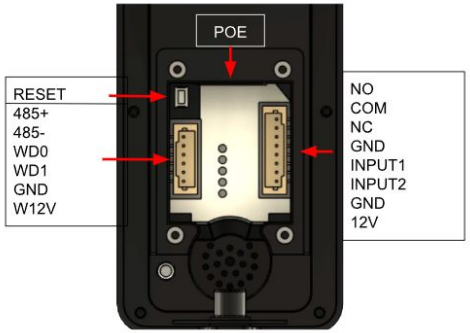
Opyn Keypad - IP Access Control Terminal

STILL HAVING TROUBLE?
Find all of our support options such as Web Chat, Full Manuals, Customer Helpline and more on our website:
WWW.AESGLOBALONLINE.COM

***ALWAYS TEST THE UNIT ON SITE BEFORE INSTALLATION TO AVOID RESTOCKING FEES ***

Wiring



POE: Can provide both power and network.

RST: Reset button, used to factory reset the device.

485+/-: *Not in use*

W_D1/0: Wiegand interface for wiegand access control.

GND/W12V: Wiegand device power supply.

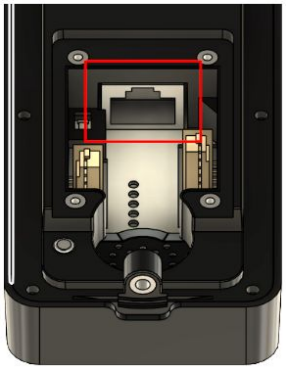
NO/COM/NC: Relay Terminals.

GND/INPUT1: Exit Button

INPUT2: *Not in use*

12V/GND: Power supply when POE is not being used

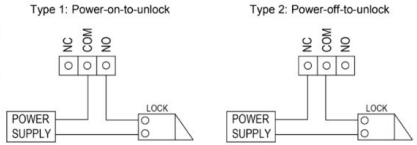
Network Connection



Connect an ethernet cable directly into the RJ45 port for network connection. This port supports DHCP.

Note: *Ethernet can travel up to roughly 100m/320ft on CAT5/CAT6 cable. Longer distances require a switch every 100m/320ft unless using any specialist equipment.*

Relay Connection



Note:
An external power supply must be used according to the lock.

The relay is limited to **30V, 2A.**

Power

12v DC

POWER CABLE If using Alternate Power Supply 24V 2 AMP Required.

TIP: Most technical calls received are due to installers using CAT5 or alarm cable to power the unit.
NEITHER are rated to carry enough power! **(1.2amp peak)**

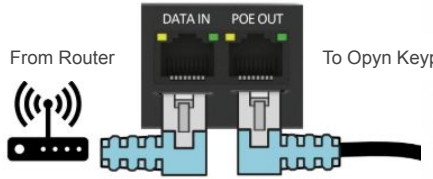
Please use the following cable:

Up to 2 metres (6 feet) – Use minimum **0.5mm²** **(18 gauge)**
Up to 4 metres (12 feet) – Use minimum **0.75mm²** **(16 gauge)**
Up to 8 metres (24 feet) – Use minimum **1.0mm²** **(14 gauge)**

Power Consumption:
Standby = 170mA
Max = 300mA

48v POE

Ethernet can travel up to roughly 100m/320ft on CAT5/CAT6 cable.



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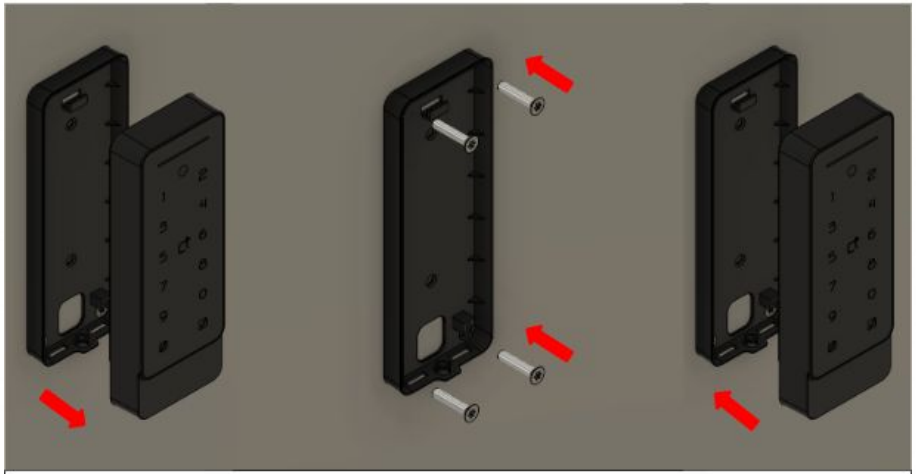
Surface Mount - Installation



1) Remove the fastening screw located at the bottom of the keypad to detach the front panel.
2) Mount the back plate to the desired surface using any of the 6 available mounting holes.
3) Pull any required cables through the mounting surface and connect them to the front panel.
4) Reattach the front panel and secure it by re-inserting the fastening screw.

Important
Please only use either DC or POE to power the device.

App Download
Scan the QR code to download the AES OPYN mobile app.

Available on Android & iOS

INGRESS PROTECTION

We recommend sealing all entry holes for prevention of insects that can cause issues with a risk of shorting out components.

To maintain the IP65 rating please follow the sealing instructions. (available online)

NEED MORE ASSISTANCE?

Scan this QR code to be brought to our resources page

Manuals | Quick Start Guides | Videos

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Cloud Mode (Default)

Key Features:

- Complete management via the cloud portal or mobile app
- No wired communication required between additional devices (e.g., additional keypads or Opyn Multi intercom devices)
- Unlimited keypads can be added to a site using wireless connectivity

Requires:

- Power
- Network connection
- Relay connection to the entry point

Getting Started

1. Apply power to the system.
2. After a few seconds, the system will emit a beep.
3. A steady white LED will illuminate, indicating the system is in **Standby Mode**.
4. Make note of the devices **Serial Number (UID)** & **Security Code (Password)** located on a sticker at the back of the keypad.
5. Now you can proceed to the **Opyn Multi Management Portal**.
6. See **Full Manual** for complete instructions on management portal setup.

Standalone Mode

Key Features:

- Configuration and management performed locally on the device
- Supports additional operating modes:
  - **Controller Mode (Default)** – Can physically connect to a slave device via Wiegand
  - **Reader Mode** – Operates as a slave device, physically connected to a controller device via Wiegand

Requires:

- Power
- Relay connection to the entry point
- Wiegand connection (If applicable)

Getting Started

1. Apply power to the system.
2. After a few seconds, the system will emit a beep.
3. A steady white LED will illuminate, indicating the system is in **Standby Mode**.
4. Enter **System Settings** to enable standalone mode.
5. Upon initial setup, you must change the default **Engineer Code** before accessing the keypad system settings. (**See next page**)

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Standalone Mode Setup

System Settings - Enter programming mode

Enter Programming Mode

1. Enter the default engineers code (123456) using the following keypad sequence:
   ☒ ➡ 1 2 3 4 5 6 ➡ ✓

If the code is entered correctly:
- The blue LED will flash.
- A single beep will sound.
- The system will enter code changing mode.

If the code is entered incorrectly:
- The red LED will flash illuminate.
- Three beeps will sound.
- The system will return to standby mode.

Note: Pressing ☒ at any time during input will cancel the operation and return the system to standby mode.

1

Change engineers code and enter system settings

Set a New Engineer Code

1. Enter a new 6-digit engineers code
   Example: 6 5 4 3 2 1 ➡ ✓
   - A tone will sound prompting to confirm the code.
2. Re-enter the same 6-digit code
   6 5 4 3 2 1 ➡ ✓

If the code is entered correctly:
- The green LED will flash.
- A confirmation beep will sound.
- The system will return to standby mode.

If the entered codes do not match:
- The red LED will flash.
- Three beeps will sound.
- The system will return to standby mode.

2

Enable Standalone Mode

1. Enter the system settings using the following keypad sequence:
   ☒ ➡ Engineers Code ➡ ✓
   Example: ☒ ➡ 6 5 4 3 2 1 ➡ ✓
   If the code is entered correctly:
   - The green LED will flash continuously.
   - A confirmation beep will sound.
2. Access Mode Selection by entering: 4 ➡ ✓
   - If the code is entered correctly:
     - The white LED will flash.
     - A confirmation beep will sound.

   If the code is entered correctly:
   - The white LED will flash.
   - A confirmation beep will sound.
3. Select Standalone Mode by entering: 1 ➡ ✓
   - If the code is entered correctly:
     - The green LED will flash.
     - A confirmation beep will sound.
     - The system will reboot.

   If the code is entered correctly:
   - The green LED will flash.
   - A confirmation beep will sound.
   - The system will reboot.
4. The keypad is now configured to **Standalone Mode** and can be managed and programmed locally.
   For detailed information on all management and programming options, refer to the **Keypad Operation** section of the manual.

3

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PASSWORD ADD/DELETE MODE SETUP GUIDE

1

1 3 ✓ Enter keypad configuration mode by pressing 13✓.

2

Select the keypad password mode:

- 1 ✓ Press "1✓" to activate password addition mode
- 2 ✓ Press "2✓" to activate password deletion mode
- 3 ✓ Press "3✓" to delete all passwords

NOTES

- Locally added passwords have permanent validity and unlimited usage.
- Supports up to 10,000 passwords.
- Password length: 4–12 characters.

PASSWORD ADD/DELETE MODE

3

Press 1✓, 2✓ or 3✓ to select your mode.
The blue light will remain steady, indicating the system is in password setup mode.

4

* * * * * * ✓
Enter the desired password to add or delete, ending with ✓.

5

* * * * * * ✓
The blue light will flash once, prompting you to re-enter the same password, ending with ✓.

6

di
Successful setup: the green light stays on for 1 second and a single beep (di) is heard.

7

dididi
Failed setup: the red light stays on for 1 second and three beeps (dididi) are heard. Failure occurs if:

- Deleting a password not in the database
- Adding a password that does not meet length requirements

8

After successfully setting a password, the system automatically returns to password setup mode (white light slow-flashing).
To add or delete additional passwords, re-enter 1✓ or 2✓ as appropriate.

9

The system automatically exits the current password mode after 30 seconds of inactivity, returning to standby (white light steady).
Press ✕ to exit the password addition/deletion mode manually.

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AES GLOBAL

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RELAY ACTIVATION TIME SETUP GUIDE

1

5 ✓ Adjust Relay Activation Time by pressing 5✓.

2

Value range is from 1 to 99 seconds.

1 (MIN) —— 99 (MAX)

ℹ The default value is 2 seconds.

3

Example command:

5 ✓ → 5 ✓

Enter setup menu for relay time | Enter desired time (5 seconds) | Confirm and save

4

Successful setup: the green light stays on for 1 second and a single beep (dii) is heard.

Failed setup: the red light stays on for 1 second and three beeps (dididi) are heard.
Failure occurs if:
- The value entered is outside the range (1–99)
- The command is entered incorrectly

5

After successfully setting the Relay Activation Time, the system returns to standby (white light steady).

TONE VOLUME SETUP GUIDE

1

11 ✓ Enter the setup command: 11✓.

2

Select the volume level:

1 ✓ Low volume

2 ✓ Medium volume

3 ✓ High volume

ℹ The default value is 2✓ (Medium volume).

3

Successful save: the green light flashes once (1 second) and 1 beep is heard).

ℹ **Note:** After selecting the volume level, the system returns to standby (white light steady).

MANUAL FACTORY RESET

1

Press and hold the reset button for 5 seconds.

5 SECONDS

Hold until the panel confirms reset mode.

2

The panel will confirm reset mode with:
- 1 green light flash (1 second)
- 1 beep

3

Within 20 seconds, enter:

X 3 5 7 8 9 6 3 2 1 ✓

9-DIGIT CODE

4

The reset will then complete, confirmed by:
- 1 green light flash (1 second)
- 1 beep

5

✓ **Factory reset is complete.**
The panel will return to default settings.

ℹ **NOTE:** If no code is entered within 20 seconds, the panel will exit reset mode. Repeat the steps above to try again.

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Environmental Information

The device you have bought has required the extraction and use of natural resources for its production. It may contain hazardous substances for the environment. In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems. Those systems will reuse or recycle most of the materials of your end-of-life equipment.

The crossed-bin-symbol market in your device invites you to use those systems.

If you need more information on the collection, reuse and recycling systems, please contact your local or regional waste administration. You can also contact AES Global for more information on the environmental performances of our products.

Device Maintenance

Bug ingress is a common cause of unit failures. Ensure that all openings are sealed accordingly and check occasionally. (Do not open the device in rain / snow unless correctly equipped to keep the internals dry.)

Warranty

Please note by installing this product, you are accepting our warranty terms. This warranty is a “return to base” 2-year manufacturer’s warranty.

For full warranty terms and conditions contact the AES Technical Support Team.

FCC

FCC ID: 2ALPX-OPYNKEYPAD
Grantee: Advanced Electronic Solutions Global Ltd

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Output power listed is conducted. This device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

RF Exposure Statement

To maintain compliance with FCC’s RF Exposure guidelines, This equipment should be installed and operated with a minimum distance of 20cm from all persons. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

GDPR/CE/UKCA

This product is designed in accordance with the EU General Data Protection Regulation (GDPR) and incorporates privacy-by-design principles.

Manufacturer: Advanced Electronic Solutions Global Ltd
Address: Unit 4C, Kilcronagh Business Park, Cookstown, Co Tyrone, BT809HJ, United Kingdom
Complies with the following essential requirements for:
EN 301 489-1 V2.2.0 (2017-03) (Electro-Magnetic Compliance)
EN 301 489-17 V3.2.0 (2017-03) (Electro-Magnetic Compliance)
EN 62479:2010 (Assessment of RF exposure / Maximum Output Power)
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 (Electrical Safety)
EN 18031 (Cybersecurity requirements for radio equipment – protection of network integrity, personal data and privacy, and prevention of fraud in accordance with Article 3(3) of the Radio Equipment Directive)

Notified body: Shenzhen HUAK Testing Technology Co., Ltd.
CNAS Number: L9589

This declaration is issued under the sole responsibility of the manufacturer.
Signed by:

Paul Creighton, Managing Director. Date: 8th July 2026