

Why use Hikvision Secure Lock Relay Module

The **Hikvision intercom secure module** usually refers to the model **Hikvision DS-K2M061 Secure Module**.

What it is (simple explanation)

It's a **security interface module** installed **on the secure side of a door** (inside the building). Its job is to act as a **safe bridge between your intercom (door station) and the electric lock**.

What it actually does

- Connects your **intercom / access terminal** → **door lock**
 - Handles signals for:
 - door lock
 - exit button
 - door contact (magnetic sensor)
 - tamper alarm
 - Communicates with the intercom using **RS-485**
 - Can connect to card readers via **Wiegand**
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Why it's important (this is the key point)

Without a secure module:

- The lock relay is often in the **outdoor intercom panel**
- Someone can potentially:
 - open the panel
 - short wires
 - unlock the door

With the secure module:

- The **actual lock control is moved inside (secure area)**
 - The outdoor unit only sends **data commands**, not direct lock power
 - This prevents **forced unlocking via wiring tampering**
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Typical wiring setup

[Outdoor Intercom] —RS485—> [Secure Module] —> [Door Lock] | [Exit Button] | [Door Sensor] | [Alarm/Tamper]

Key features

- RS-485 communication with intercom
 - Tamper alarm support
 - Door contact + exit button inputs
 - Lock relay control
 - Wiegand support for card readers
 - 12V DC powered module
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When you **SHOULD** use it

You should install a secure module if:

- It's a **commercial building or apartment**
 - The intercom is **publicly accessible outside**
 - You want **proper security compliance**
 - You're using **mag locks / strike locks**
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When it's often skipped

- Basic residential installs
 - Low-risk doors (e.g., internal gates)
 - Budget installations
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Bottom line

The Hikvision secure module is **not mandatory**, but it's considered **best practice** because it:

- prevents easy bypass of the lock
- separates control logic from physical wiring
- significantly improves overall access security