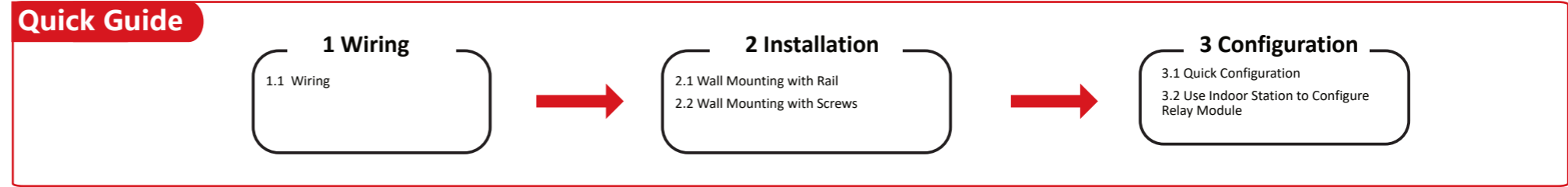
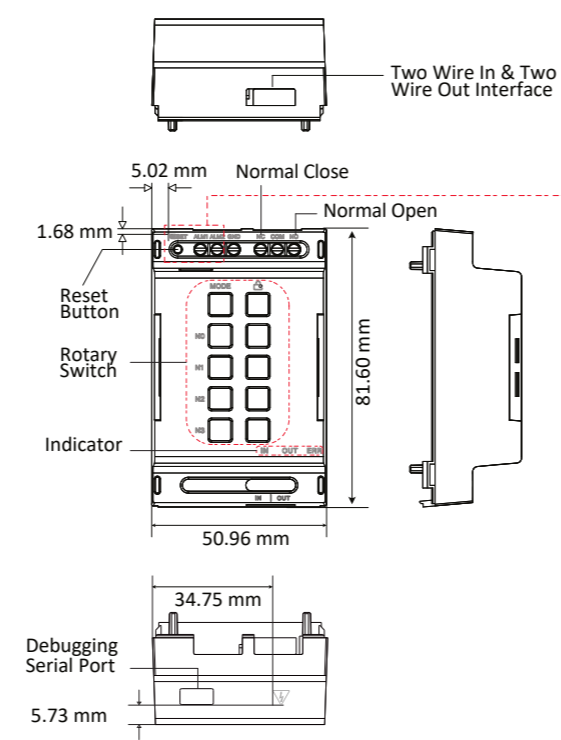




DS-KA-RL1E2  
Relay Module  
Quick Start Guide  
UD39918B-A



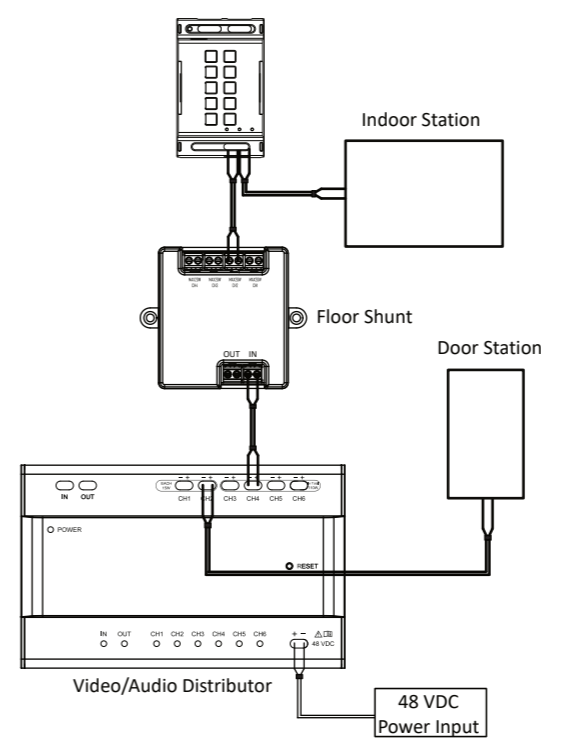
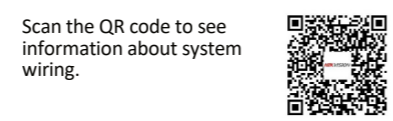
### Appearance and Interface



- Reset Button**
- Building No.=0  
Pressing reset button would restore the device to unactivated state.
  - Building No. ≠0  
Pressing reset button would restart the device. (Usually used after adjusting the dial code.)
- Light Indicators**
- Alarm 1:** reserved
- Alarm 2:** The ERR light will flash when encounter invalid mode, relay No., building No., room No. range and IP address conflict.
- Information:** No need to cut off the power supply.
- Warning:**
- The pictures here are for reference only.
  - The device should be used in distribution boxes.
  - For the device with the sign indicating hazardous live, the external wiring connected to the terminals requires installation by an instructed person.
  - The relay module supports COM-NO-NC, 6A@12~24 VAC/VDC.

### 1.1 Wiring

- Information:**
- CH3 to CH6 interfaces are 110 W in total. The distributor can connect to the indoor station via CH3 to CH6. CH1/CH2 interface is 15 W each. The distributor can connect to the door station via interface CH1 and CH2.
  - The relay module can connect the floor shunt via any of the 4 interfaces (CH1~CH4).
  - The lockinterface of the relay can connect to lock, light and mechanical doorbell.



**About this Document**

- This Document includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only.
- The information contained in the Document is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of the Document at the Hikvision website (<https://www.hikvision.com>). Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as "Hikvision") makes no warranties, express or implied.
- Please use the Document with the guidance and assistance of professionals trained in supporting the Product.

**About this Product**

This product can only enjoy the after-sales service support in the country or region where the purchase is made.

**Acknowledgment of Intellectual Property Rights**

- Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this Document, which may include licenses obtained from third parties.
- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- **HIKVISION** and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.

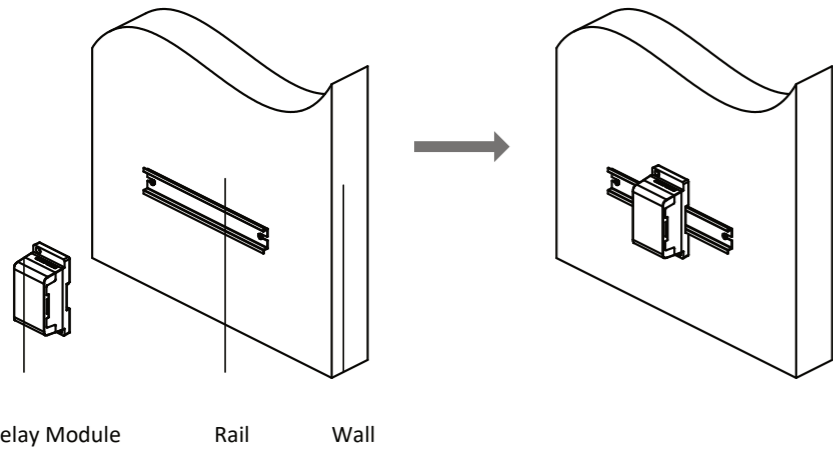
**LEGAL DISCLAIMER**

- TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.
- YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
- YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.
- IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

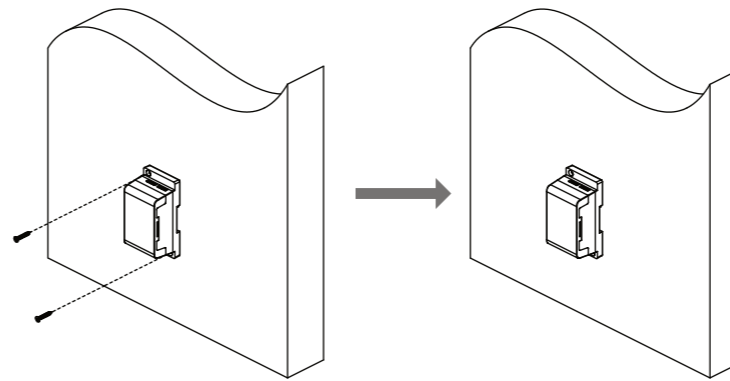
© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

## 2 Installation

### Wall Mounting with Rail



### Wall Mounting with Screws



If a power adapter is provided in the device package, use the provided adapter only. If no power adapter is provided, ensure the power adapter or other power supply complies with Limited Power Source. Refer to the product label for the power supply output parameters.

Если адаптер питания входит в комплект поставки устройства, используйте только прилагаемый адаптер. Если адаптер питания не входит в комплект поставки, убедитесь, что используемый вами адаптер питания или источник питания соответствует требованиям к ограничению мощности. Выходные параметры источника питания указаны на его паспортной табличке.

Amennyiben a készülék csomagja tartalmaz hálózati adaptert, kizárólag a mellékelt adaptert használja. Ha a csomag nem tartalmaz hálózati adaptert, bizonyosodjon meg, hogy a használt hálózati adapter vagy más tápegységek megfelelnek a korlátozott áramforrásokra vonatkozó előírásoknak. A tápegység teljesítményének paramétereit a termék címkéjén találhatók.

Wenn im Lieferumfang des Geräts ein Netzteil enthalten ist, verwenden Sie nur das mitgelieferte Netzteil. Wenn kein Netzteil mitgeliefert wird, stellen Sie sicher, dass das Netzteil oder eine andere Stromversorgung den Anforderungen an eine Stromquelle mit begrenzter Leistung entspricht. Die Ausgangsparameter des Netzteils sind auf dem Produktaufkleber angegeben.

Utilizzare solo l'alimentatore in dotazione, se incluso nella confezione del dispositivo. Se l'alimentatore non è incluso, accertarsi di utilizzare un modello conforme allo standard sulle fonti di alimentazione limitate. Consultare l'etichetta del prodotto per i parametri dell'uscita di alimentazione.

Pokud je v balení zařízení dodán napájecí adaptér, používejte pouze dodaný adaptér. Pokud není napájecí adaptér dodán, zajistěte, aby napájecí adaptér nebo jiný napájecí zdroj vyhovoval požadavkům na omezený zdroj napájení. Parametry výstupu napájení viz štítek výrobku.

Ak bolo zariadenie dodané s napájacím adaptérom, použite iba dodaný adaptér. Ak napájací adaptér nie je dodaný, uistite sa, že napájací adaptér alebo iný zdroj napájania vyhovuje obmedzenému zdroju napájania. Parametre výstupu napájacieho zdroja nájdete na štítku produktu.

Si un adaptateur secteur est fourni dans l'emballage de l'appareil, n'utilisez que l'adaptateur fourni. Si aucun adaptateur secteur n'est fourni, assurez-vous que l'adaptateur secteur ou toute autre source d'alimentation est conforme à la source d'alimentation limitée. Reportez-vous à l'étiquette du produit pour connaître les paramètres de sortie de l'alimentation.

Jeżeli w pakiecie z urządzeniem dostarczany jest zasilacz, należy używać wyłącznie tego zasilacza. Jeżeli zasilacz nie jest dostarczany w pakiecie z urządzeniem, należy używać zasilacza zgodnego z wymaganiami dotyczącymi źródeł zasilania z własnym ograniczeniem (LPS, Limited Power Source). Informacje dotyczące wymaganego zasilania podano na etykiecie produktu.

Als een voedingsadapter in de verpakking van het apparaat is geleverd, mag u alleen deze adapter gebruiken. Als er geen voedingsadapter is meegeleverd, moet u ervoor zorgen dat de voedingsadapter of een andere stroombron voldoet aan de Beperkte voedingsbron. Raadpleeg het productlabel voor de parameters voor de stroomtoevoer.

Se a embalagem do dispositivo incluir um adaptador de alimentação, utilize apenas o adaptador fornecido. Se não for fornecido um adaptador, certifique-se de que o adaptador de alimentação ou qualquer outra fonte de alimentação está em conformidade com a Fonte de Alimentação Limitada. Consulte a etiqueta do produto para obter os parâmetros nominais da fonte de alimentação.

Si el paquete del dispositivo incluye un adaptador de corriente, utilice únicamente el adaptador suministrado. Si no se suministra un adaptador de corriente, asegúrese de que el adaptador de corriente u otra fuente de alimentación que utilice cumple con el límite de la fuente de alimentación. Consulte la etiqueta del producto para conocer los parámetros de salida de la fuente de alimentación.

Dacă dispozitivul se furnizează cu un adaptor de alimentare, utilizați-l numai pe acesta. Dacă nu se furnizează niciun adaptor de alimentare, asigurați-vă că adaptorul sau o altă alimentare electrică este compatibilă cu sursa de alimentare limitată. Pentru parametrii de ieșire ai alimentării electrice, consultați eticheta produsului.

Hvis en strømadapter følger med i enhedens pakke, må du kun bruge den medfølgende adapter. Hvis der ikke medfølger en strømadapter, skal du sikre, at strømadapteren eller en anden strømforsyning overholder LPS (Limited Power Source). Find strømforsyningens udgangsparametre i produktets mærkat.

Cihaz paketinde bir güç adaptörü varsa, sadece verilen adaptörü kullanın. Güç adaptörü verilmediyse, güç adaptörünün veya diğer güç kaynağının Sınırlı Güç Kaynağı ile uyumlu olduğundan emin olun. Güç kaynağı çıkış parametreleri için ürün etiketine bakın.

في حال توفر محول طاقة في عبوة الجهاز، استخدم المحول المرفق فقط في حال عدم توفر محول طاقة، تأكد من توافق محول الطاقة أو مصدر الطاقة الأخر مع مصدر الطاقة المحدود. راجع ملصق المنتج للاطلاع على معلمات خرج مصدر الطاقة.

Якщо блок живлення входить у комплект поставки, використовуйте тільки наданий блок живлення. Якщо блок живлення не входить у комплект поставки, переконайтеся, що блок живлення або інше джерело живлення відповідає вимогам до джерел живлення обмеженої потужності. Вимоги до вихідних параметрів джерела живлення див. на етикетці виробу.

Jika adaptor daya disediakan dalam kemasan perangkat, hanya gunakan adaptor yang disediakan. Jika adaptor daya tidak disediakan, pastikan adaptor daya atau catu daya lain sesuai dengan Sumber Daya Terbatas. Lihat label produk untuk parameter output catu daya.

တို့ရဲ့အား ထုတ်ပေးမှုတွင် ပါဝင် အဝတ်တံဆိပ်ထုတ်ပေးမှုကို အားထုတ်မှုကိုသာ အသုံးပြုပါ။ ပါဝင် အဝတ်တံဆိပ်ထုတ်ပေးမှုကိုသာ အသုံးပြုပါ။ ပါဝင်အားထုတ်မှုကိုသာ အသုံးပြုပါ။ ပါဝင်အားထုတ်မှုကိုသာ အသုံးပြုပါ။ ပါဝင်အားထုတ်မှုကိုသာ အသုံးပြုပါ။

## 3 Configuration

### No. Settings

Use the rotary switch to set the **relay No.**, the **building No.**, and the **room No.**. The Tens refers to the number in Tens, and the Units refers to the number in Units.

On each rotary switch, 0 to 9 refers to No. 0 to 9.

In total, you can use 1 to 99 to number the building and the relay, and 1 to 400 to number the room.

Use the screwdriver to adjust the number. The arrow indicates the number.

### Device Mode Settings

Use the rotary switch to set the relay's device mode according to actual scenarios.

The indoor station can add the relay module automatically via dial code. Then the relay module can be configured to accept door non-closing signal or not. (The triggering time can be configured too.)

Tens	Units	MODE	Function
0	0	Mode 0	Status: Usually closed. (can be triggered manually) Function: Unlock the door. Indoor Station No. Range: Building N1~N3.
0	1	Mode 1	Status: Usually open. (can be triggered manually) Function: Unlock the door. Indoor Station No. Range: Building N1~N3.
0	2	Mode 2	Status: Usually open. (can be triggered manually) Function: Control the light (Light by Button). Indoor Station No. Range: Building N1., Room N1~N3 (the dial code of N1~N3 ≠ 0).
0	3	Mode 3	Status: Usually open. (would be triggered automatically after call) Function: Control the mechanical doorbell. Indoor Station No. Range: Building N1~N3 (the dial code of N1~N3 ≠ 0).
0	4	Mode 4	Status: Usually open. (would be triggered automatically after call) Function: Control the light (Light by Call). Indoor Station No. Range: Building N1., Room N1~N3 (the dial code of N1~N3 ≠ 0).

MODE	Tens	Units	Function
N0	0	0	Relay No.
N1	0	0	Building No.
N2	0	0	Room No. (Minimum)
N3	0	0	Room No. (Maximum)

### Door Open Duration

Rotary Switch	Door Open Duration (s)	Light Control (s)	Mechanical Doorbell Ring Times
0	2	30	3
1	1	10	6
2	3	20	9
3	4	60	15
4	5	120	30
5	8	/	/
6	10	/	/
7/8/9	2	/	/

To configure room number in hundreds, you need to visit the web interface of the door station.

Scan the QR Code for detailed information.



The customizable buttons of the indoor station can be configured to control the relay modules.

Scan the QR Code for detailed information.



Each indoor station supports maximum 99 relay modules. The ceiling depends on the power dissipation of the relay module(s).

The door open duration decides the number of times the mechanical door bell would ring. See the diagram on the right for detailed information.