

Bus Input Expander

User Manual

EN 50131-1:2006+A3:2020
EN 50131-3:2009
Security Grade 2
Environment Class II

User Manual Flow Chart

1 Appearance

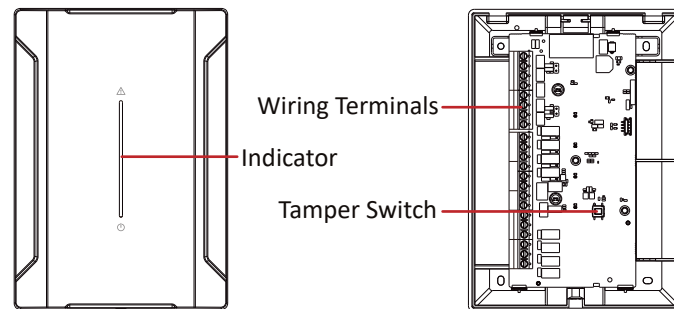
- 1.1 Unbox.
1.2 Check components and indication.



2 Installation and Wiring

- 2.1 Install the device to the wall.
2.2 Connect cables to terminals.

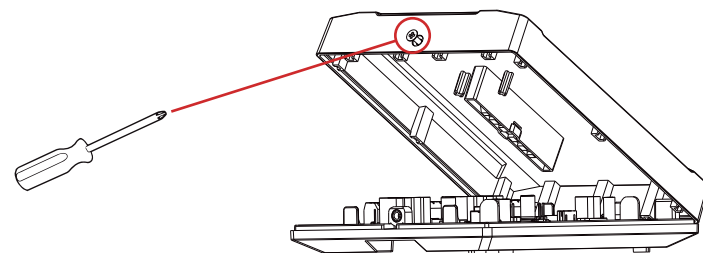
1 Appearance



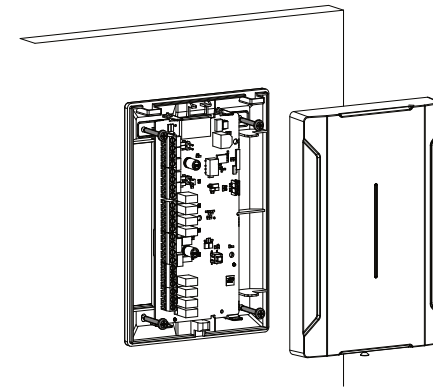
Indicator Status		Device Status
	Slowly flashing orange	Waiting for enrollment
	Green and orange quickly flashing alternately	Enrolling
	Solid green	Enrolled
	Solid orange	Enrolling failed/Fault (Disconnected)
	Quickly flashing orange	Alarm
	Flashing green	Find me mode

2 Installation and Wiring

Step 1. Loosen the screw and remove the front cover.



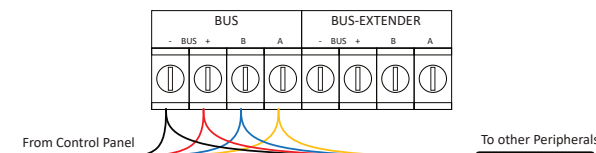
Step 2. Fix the rear cover with 4 screws and install the front cover.



Step 3. Complete wiring.

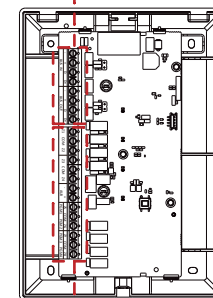
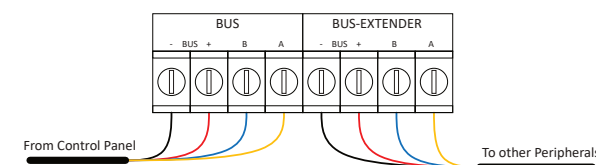
Wiring Method 1: Wiring normally.

Daisy-chain wiring

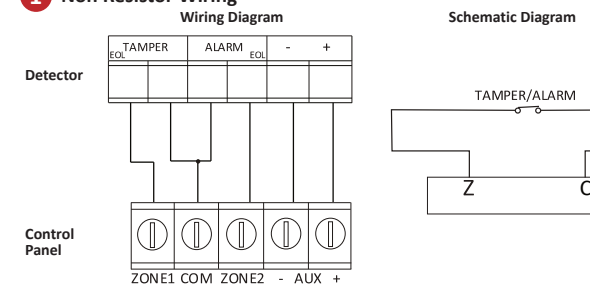


Wiring Method 2: Wiring with Bus extender.

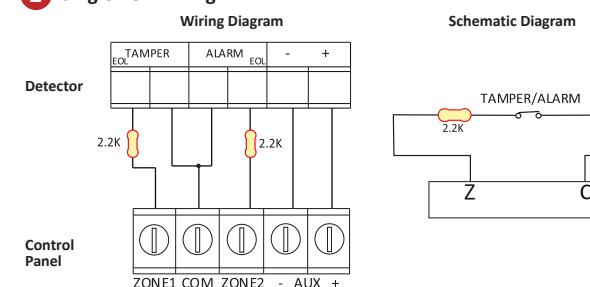
Cascade wiring (with bus-extender)



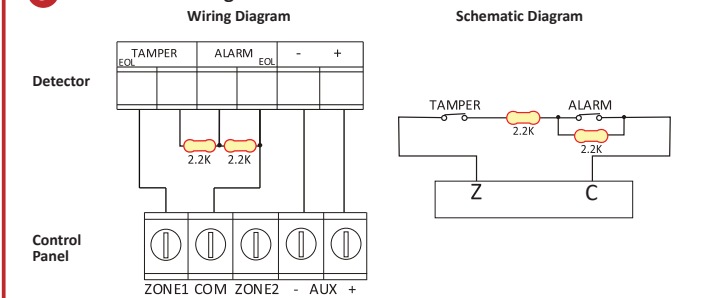
1 Non Resistor Wiring



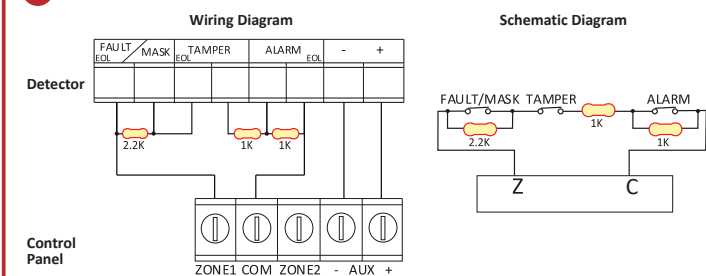
2 Single EOL Wiring



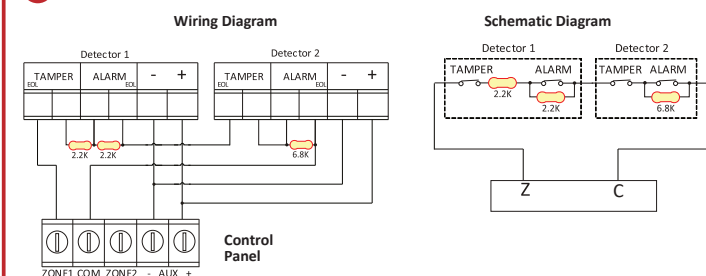
3 Double EOL Wiring



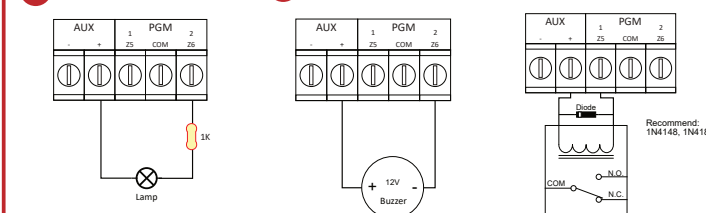
4 Triple EOL Wiring



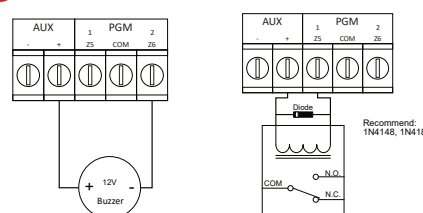
5 Double Zone Wiring



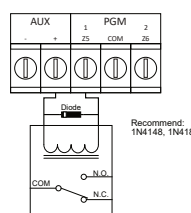
6 Lamp Wiring



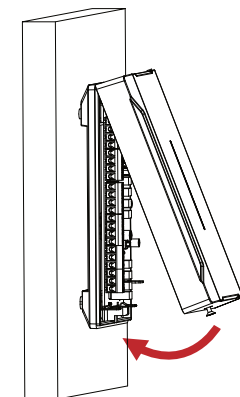
7 Buzzer Wiring



8 Relay Wiring



Step 4. Install the front cover.



More Languages



UD36015B-C

Specification

Model	DS-PM501Z8T4
Inputs (Zones)	
Max. Zones	8
On-board Zones	8
Outputs	
Max. Outputs	4
On-board PGM Outputs	4 (Z5~Z8 programmable)
Bus Interconnection	
Bus-extender	√
Bus Technology	Half-Duplex RS-485
Bus Wiring	4-Core Alarm Cable (at least 2×0.5mm ² +2×0.22mm ²)
Power Supply - General	
Input Voltage	12 VDC nominal (9~16 VDC), powered by bus
Quiescent Current	150 mA @12VDC
Max. Current	650 mA @12VDC
Power Supply - Auxiliary Power Output (AUX)	
Output Capacity	12VDC nominal (9~16 VDC), 500mA
Output Protection	500 mA PPTC
PGM Outputs	
Output Voltage	0 VDC with switched (NPN output)
Max. Current	200 mA per output
Environmental	
Operating Temperature	-10°C to 50°C (14°F to 122°F), indoor use only
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	10% ~ 90% non-condensing
Physical	
Dimension (W x H x D)	110 × 155 × 31 mm
Weight	225 g
Installation Method	Wall mount
Compliance	
EN 50131	Security Grade 2, Environmental Class II

If the BUS_EXTENDER -BUS+ power output port of the device does not comply with Limited Power Source, the connected device powered by this port shall be equipped with a fire enclosure.

Si le port de la sortie d'alimentation de l'appareil BUS_EXTENDER -BUS+ n'est pas conforme aux exigences de source d'alimentation limitée, l'appareil connecté alimenté par ce port doit être équipé d'une enceinte coupe-feu.

Entspricht der BUS_EXTENDER -BUS+-Stromversorgungsanschluss des Geräts nicht den begrenzten Leistungsanforderungen, muss das angeschlossene Gerät, das über diesen Anschluss mit Strom versorgt wird, mit einem Brandschutzschild ausgestattet sein.

Si el puerto de salida de alimentación BUS_EXTENDER -BUS+ del dispositivo no cumple con la fuente de alimentación limitada, el dispositivo conectado alimentado por este puerto debe estar equipado con una carcasa contra incendios.

Se il porto di uscita di alimentazione BUS_EXTENDER -BUS+ del dispositivo non è conforme alla Fonte di Alimentazione Limitata, il dispositivo connesso alimentato da questa porta deve essere dotato di un involucro antincendio.

Se a porta de saída de potência BUS_EXTENDER -BUS+ do dispositivo não cumprir com a Fonte de Alimentação Limitada, o dispositivo conectado alimentado por esta porta deve estar equipado com uma cobertura contra incêndio.

Als de BUS_EXTENDER -BUS+ voedingsuitgangspoort van het apparaat niet voldoet aan de Limited Power Source, moet het aangesloten apparaat dat door deze poort wordt gevoed, worden uitgerust met een brandwerende behuizing.

Pokud výstupní port BUS_EXTENDER -BUS+ napájení zařízení nesplňuje požadavky na omezený zdroj napájení (LPS), musí být připojené zařízení napájené z tohoto portu vybavené hasicí schránkou.

Hvis enhedens BUS_EXTENDER -BUS+ strømdugangsport ikke overholder begrænset strømkilde, skal den tilsluttede enhed, der får strøm fra denne port, være udstyret med en brandkasse.

Ha az eszköz BUS_EXTENDER -BUS+ tápellátási kimeneti portja nem felel meg a Korlátozott Teljesítményforrásnak, akkor a porton keresztül táplált csatlakoztatott eszköz tűzgátló köpenybe kell felszerelni.

Jeśli port wyjściowy zasilania BUS_EXTENDER -BUS+ urządzenia nie spełnia wymagań ograniczonego źródła zasilania, podłączone urządzenie zasilane przez ten port powinno być wyposażone w obudowę przeciwpożarową.

Dacă portul de ieșire a puterii BUS_EXTENDER -BUS+ al dispozitivului nu este conform cu sursa de alimentare limitată, dispozitivul conectat alimentat de acest port va fi echipat cu o carcasă de incendiu..

Ak výstupný port napájania BUS_EXTENDER -BUS+ zariadenia nie je v súlade s obmedzeným zdrojom napájania, pripojené zariadenie napájané týmto portom musí byť vybavené protipožiarnym krytom.

Jika port output daya BUS_EXTENDER -BUS+ perangkat tidak sesuai dengan Sumber Daya Terbatas, perangkat terhubung yang diberi daya melalui port ini harus dilengkapi dengan pelindung api.

ကိရိယာ၏ BUS_EXTENDER -BUS+ ပါဝါအထွက်ပေါက်သည် ကန့်သတ်ပိုဝါရငှားမစွဲမှ မကွက်ပျက် ထိအထွက်ပေါက်မှ ခံကုန်ကုန်ပီး ပါဝါယူသည့် ကိရိယာကို မီးဒဏ်ခံ အကာအကွဲ ထည့်သင့်ကြောင်းရမည်။

Cihazın BUS_EXTENDER -BUS+ güç çıkış portu Sınırlı Güç Kaynağı ile uyumlu değilse, bu porttan güç alan bağlı cihaz bir yangın muhafazası ile donatılacaktır.

Если выходной разъем питания BUS_EXTENDER -BUS+ устройства не соответствует источнику питания с ограничением мощности, подключенное устройство, получающее питание через этот разъем, должно оснащаться противопожарным кожухом.

Якщо вихідний порт живлення BUS_EXTENDER -BUS+ пристрою не відповідає обмеженому джерелу живлення, підключений пристрій, що живиться через цей порт, має бути обладнано протипожежним кожухом.

إذا كان منفذ إخراج الطاقة Bus_EXTENDER -BUS+ الخاص بالجهاز لا يتوافق مع مصدر الطاقة المحدود، فيجب تجهيز الجهاز المتصل الذي يعمل بواسطة هذا المنفذ بغلاف مقاوم للحريق.