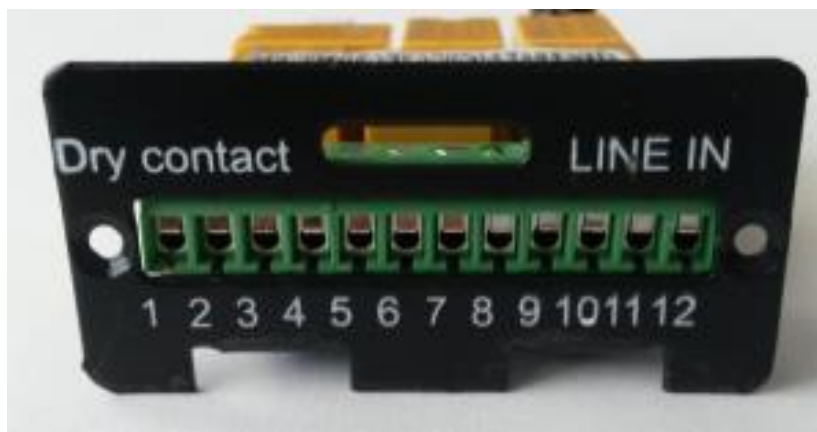


# SCHEDARELAY1

MINI Dry contact card



TECHNICAL SPECIFICATION

The relay card (or dry contact card) for UPSs is an interface accessory installed in the UPS to monitor its status and manage the automatic shutdown of connected devices via physical signals. It uses dry contacts to send notifications of critical events (power failure, low battery, bypass) to external systems such as PLC, control panels, or PC.

**Main Features and Functions**

- **UPS Status Monitoring:** Provides real-time reporting on events such as "UPS in Battery Mode", "Load on Bypass" or "General Alarm".
- **Dry Contact:** It offers isolated electrical interfaces (normally open/closed) that do not require their own power supply, ideal for integration into industrial automation systems.

These cards are essential in industrial environments or data centers where the UPS must interact with remote monitoring systems that are not based on IP protocols.

Most mid-range/high-end UPSs have a slot for a "relay card" or "communication card" that provides dry contacts (normally open NO or closed NC).

The card can be inserted directly into the slot even while the UPS is running.

1. Pins definition of connecting terminal on the board.

Terminal No.	Terminal function	Terminal No.	Terminal function
1	Common source	9	Bypass active NO
2	UPS ON NC	10	Bypass active NC
3	AC fail NO	11	UPS fail NO
4	AC fail NC	12	UPS fail NC
5	Batt low NO	CN4-1	Remote shutdown
6	Batt low NC	CN4-2	GND
7	UPS alarm NO		
8	UPS alarm NC		

contacts related to the relay card not powered and not mounted in the UPS

Terminal No.	Terminal function	Terminal No.	Terminal function
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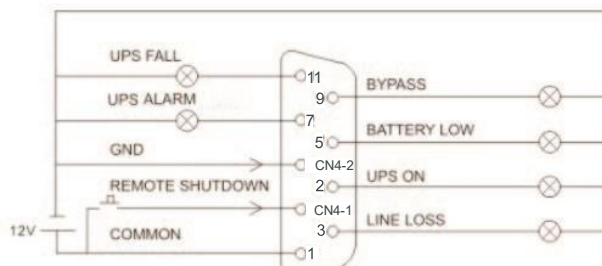
contacts related to the relay card powered and mounted in the UPS

Relay	DC Voltage	Vdc	24	V
	DC Current	Idc	1.0	A
	AC Voltage	Vac	120 240	V
	AC Current	Iac	1 0,5	A

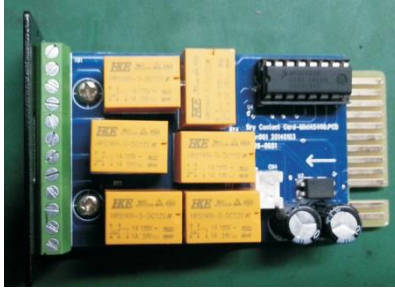
For function definition of connecting terminal, you can also get relevant information from the silk-print on the rear of the card.

2. Application instruction of dry contact card.

Peripheral monitoring device provides regular power to common terminal. Take the shown circuit for example, every signal terminal connects to relevant indicator and remote shutdown key, then it can achieve monitoring the UPS remotely.



### 3. Product appearance



### 4. Range of use

It applies to high frequency on-line UPS with SNMP slot

### 5. Application field

1. IBM server, PC machine, work station and other device application.
2. Industry device automatic control and communication application.
3. Dry contact card only provides interface (dry contact), users make application software themselves.

### 6. Installation

Open the cover plate of SNMP SLOT on the rear panel of UPS.



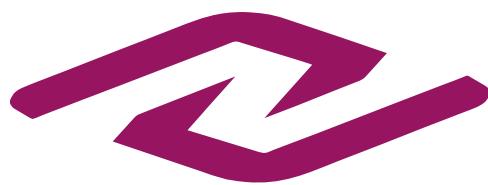
Insert dry contact card directly along the gap of SNMP SLOT.

Insert dry contact card until the metal plate of terminal interface clings closely to surface of UPS rear panel. It indicates the card insertion is OK. Then use the screw lock and fasten the dry contact card.



Connect with monitoring device by connecting wire of dry contact card.

The monitoring device will display and control UPS operating status, to achieve remote monitoring of UPS operation.



# Naicon

UNIT



Diloc



Elsist



Naicon srl Via il Caravaggio, 25 Trecella I 20060 Pozzuolo Martesana - Milano (Italy)  
Tel. +39 02 95.003.1 Fax +39 02 95.003.313 [www.naicon.com](http://www.naicon.com) e-mail: [naicon@naicon.com](mailto:naicon@naicon.com)

