



**How to use the IO signal of the lock relay of the  
DS-K2604T controller**

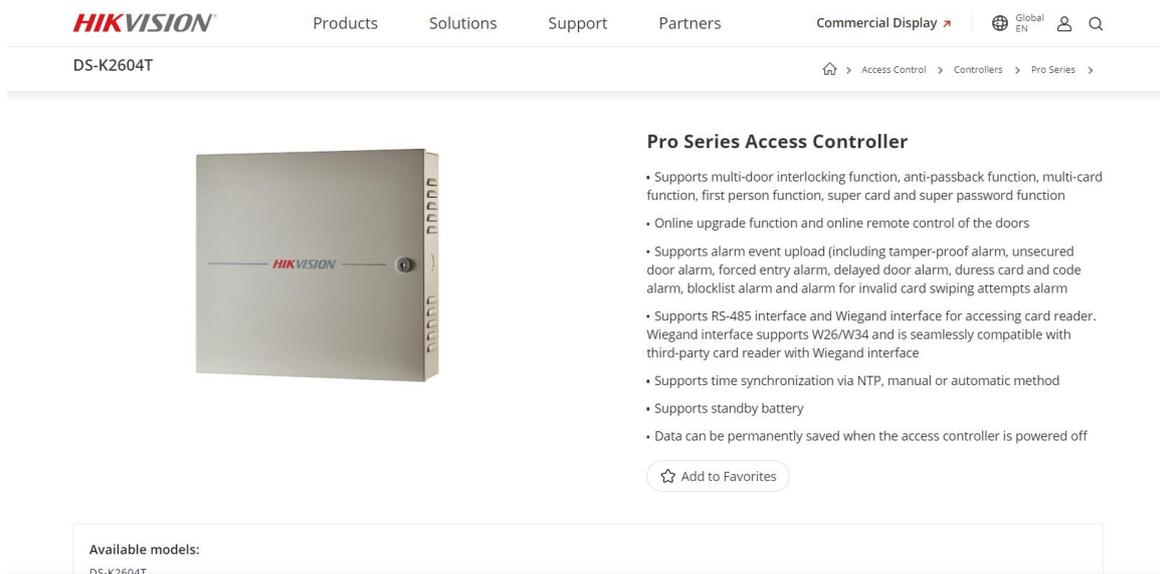
<b>Title:</b>	How to use the IO signal of the lock relay of the 2604T controller	<b>Version:</b>		<b>Date:</b>	09/29/2024
<b>Product:</b>				<b>Page:</b>	

## Preparation

Type	Model	Version
Software	HCP	
Access Control Terminal	DS-K2604T	

## How to use the IO signal of the lock relay of the 2604T controller

**Introduction:** if you want connect to the 3rd turnstile and need access controller provide IO signal. This article will introduce how to use the IO signal of the lock relay of the 26 controller.



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DS-K2604T Home > Access Control > Controllers > Pro Series >

**Pro Series Access Controller**

- Supports multi-door interlocking function, anti-passback function, multi-card function, first person function, super card and super password function
- Online upgrade function and online remote control of the doors
- Supports alarm event upload (including tamper-proof alarm, unsecured door alarm, forced entry alarm, delayed door alarm, duress card and code alarm, blocklist alarm and alarm for invalid card swiping attempts alarm)
- Supports RS-485 interface and Wiegand interface for accessing card reader. Wiegand interface supports W26/W34 and is seamlessly compatible with third-party card reader with Wiegand interface
- Supports time synchronization via NTP, manual or automatic method
- Supports standby battery
- Data can be permanently saved when the access controller is powered off

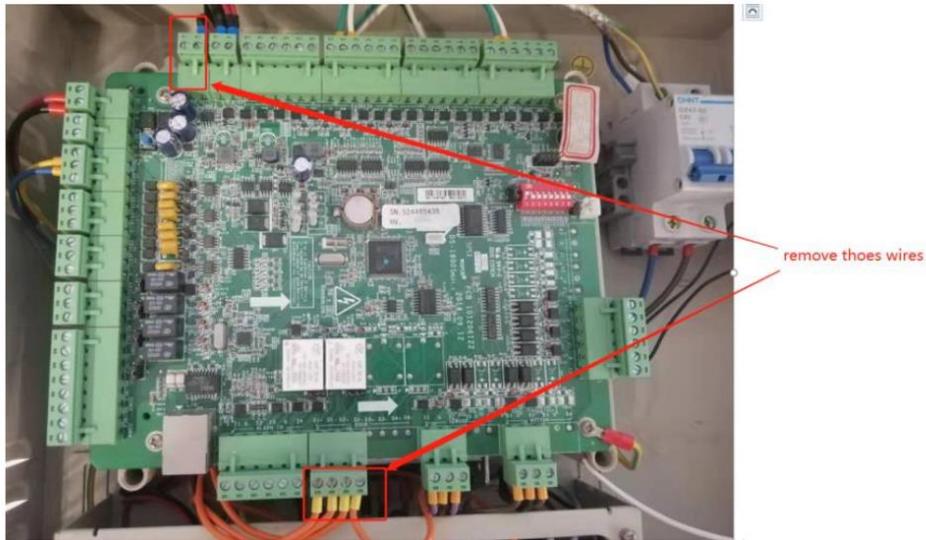
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Available models:  
DS-K2604T

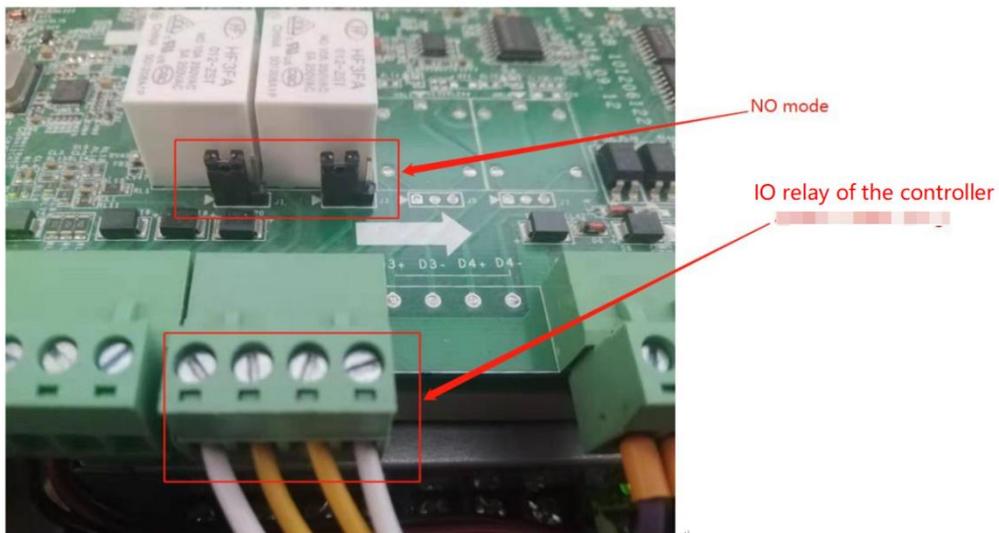
### 1. Physical Wiring

First need unplug the lock relay cable of door 1 and door 2.

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you can find door lock rely interface, and using NO\COM(D1+ D1-) connect to the 3rd turnstile. Make sure change the NC mode to NO mode via jump cap. And then Cut the power and restart the access controller.

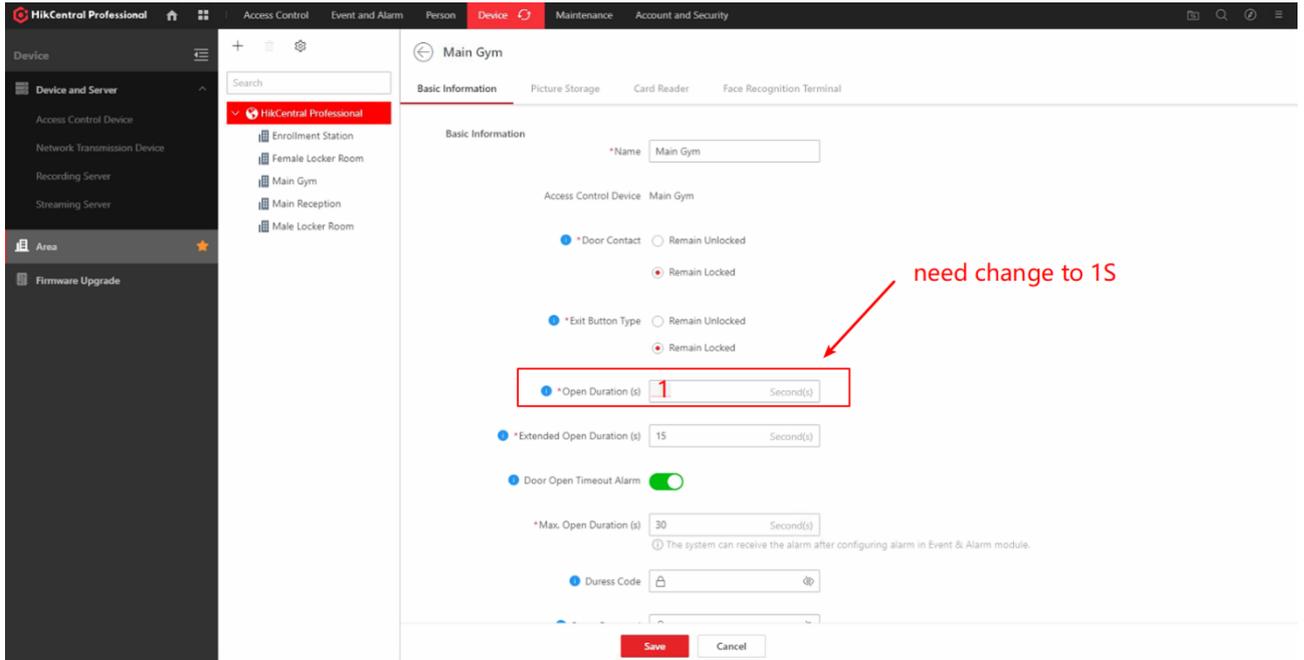


## 2. Configuration

Usually we need to change the opening duration of the lock relay, configure it to 1s, default is 5s.

Path: device->area->door: Open During.

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### Note:

1. About 485 card reader connect to controller, different 485 address control different door, DIP Switch Status refer to the following pic.

## 1 Card Reader Wiring --- RS485 DIP setting HIKVISION

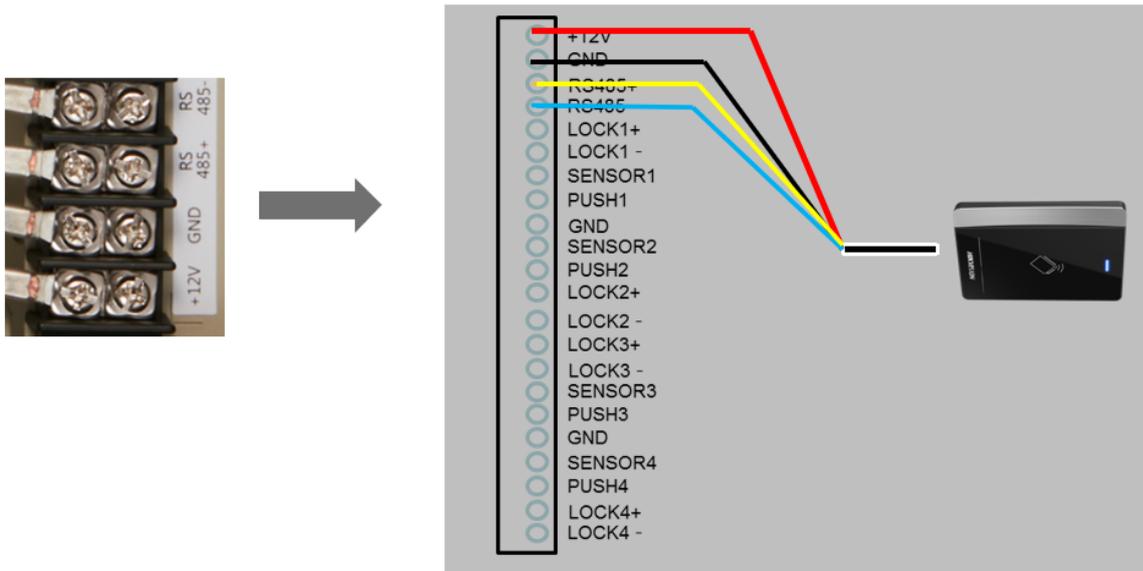


DIP Switch status: 1000 0000

ON: 1

OFF: 0

DIP Switch status	Access point	Card reader
1000 0000	Door1	Entrance reader 1
0100 0000		Exit reader 2
1100 0000	Door2	Entrance reader 3
0010 0000		Exit reader 4
1010 0000	Door3	Entrance reader 5
0110 0000		Exit reader 6
1110 0000	Door4	Entrance reader 7
0001 0000		Exit reader 8



2. You can view the NO/NC status of the lock relay, default is NC mode of lock relay.

Lock Relay NO Status

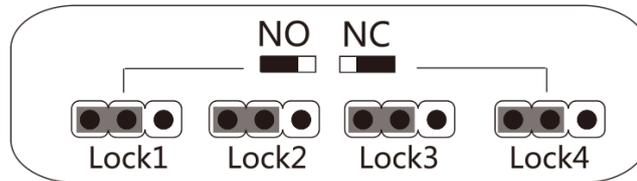


Figure 6-3 NO Status

Lock Relay NC Status

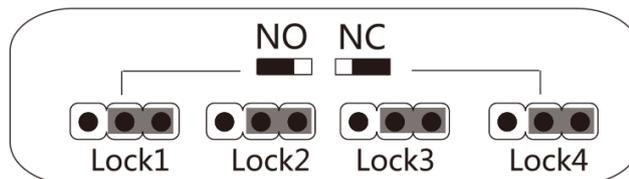


Figure 6-4 NC Status



See Far, Go Further