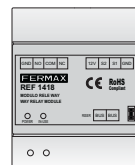




WAY RELAY

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ENGLISH

INSTALLER'S MANUAL

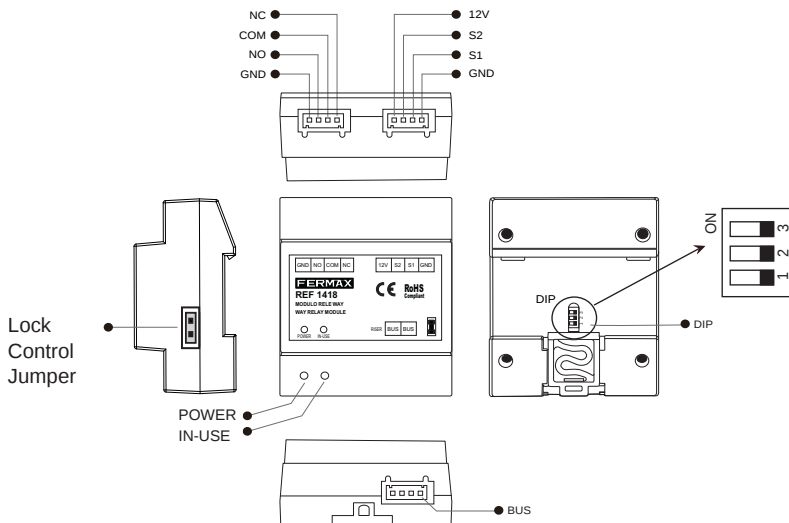
1. About WAY RELAY Unit

Description:

The way relay is a unlock function device designed for DT system to control door locks. It has the features as follows:

- Allows to open gate door locks;
- Support high power-consumption lock;
- With configurable unlock timed output;
- Support exit control button.

2. Parts and Name



+12V: 12V power output. Can be used to power the lock.

S2: Reserved.

S1: Exit button contact. Short this contact and the GND to unlock.

GND: The common Ground of the other 3 contacts: S1, S2 and +12V.

NC: The normally-closed contact to COM.

COM: The common contact of the unlock relay.

NO: The normally-open contact to COM.

Lock Control Jumper: To select the lock type: see section 5, 6 and 7.

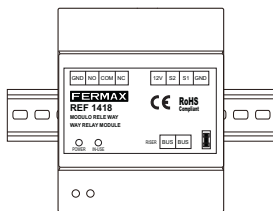
POWER: Working indicator, it will light up when plugs in power supply.

IN-USE: Unlock indicator, it will light up when unlock.

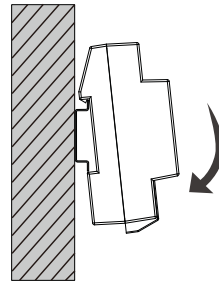
Bus: Connect to the bus line, no polarity.

DIP: Used for setting the address of the relay.

3. Unit Mounting



DIN Rail Mounting



4. How to set the unlock delay time

- 1). Power-on within 5 seconds, short-circuit S2 up to 3 seconds, the IN-USE indicator flash.
- 2). Short-circuit S1 up to 3 seconds, and the IN-USE indicator always light.
- 3). Short-circuit again S2, at this time,the short-circuit time equal to unlock delay time. (the IN-USE indicator flashes once per second, Less than two seconds by one second calculation; The maximum setting time is 30 seconds.)
- 4). After S2 released, saved unlock delay, and exit the setting.

5. DIP Switch Setting

The DIP switch in the back of the panel is used to set the address of the relay. Please refer to the followings for more detail informations about the DIP settings:

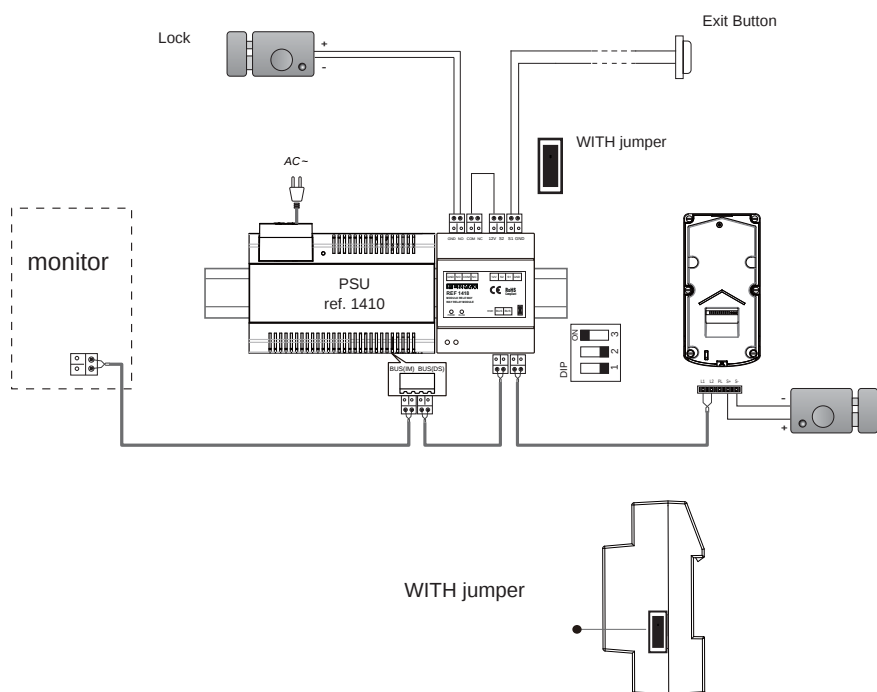
DIP settings for lock.

DIP	Bit State	Descriptions
	OFF,OFF,OFF	Applies to door station1 & lock 1
	OFF,OFF,ON	Applies to door station1 & lock 2

NOTE: See diagrams at the end of this manual, (6-7).

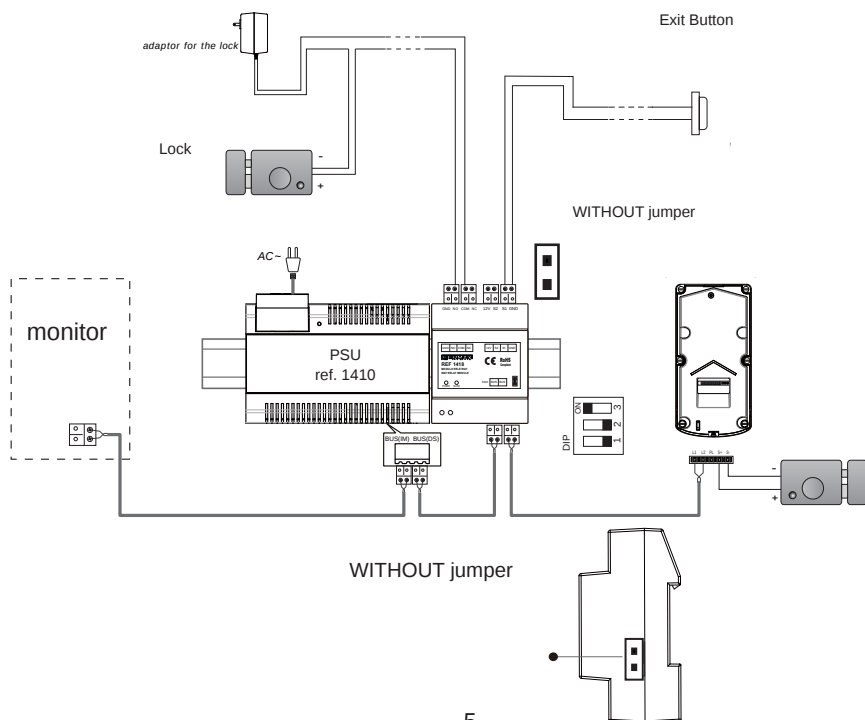
EN 6. Internal powered lock connection (only suitable for electronic lock 12Vdc máx. 250mA).

Relay for control the second lock of door station 1.



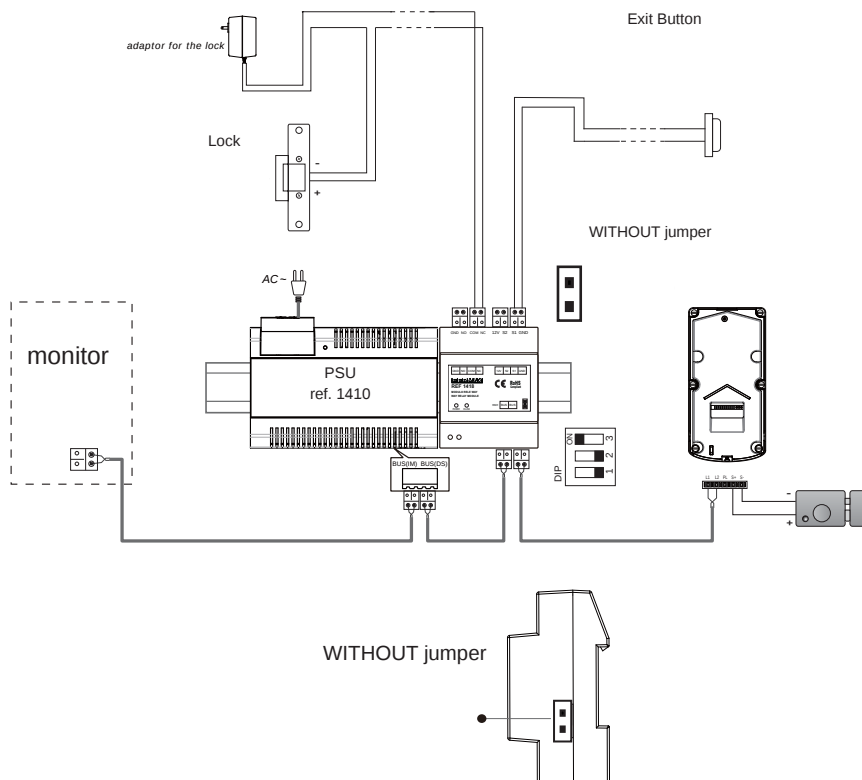
EN 7. External Power Supply powered lock connection

EN A. Electronic lock type: Relay control the second lock of door station 1.



EN B.Magnetic lock type:

Relay control the second lock of door station 1.



EN 8. Specification

- Power Supply : DC24V;
- Unlocking Time: 1~30s(Default 1s).
- Lock Power supply: 12Vdc, 250mA(Internal Power),
- Working Temperature: -10°C~+40°C.
- Dimension: 89(H)×71(W)×45(D)mm.

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