


# Door Phone Power. FANVIL i20 i23 i30 i31 (i12 & i 18 At End)

Fanvil door phones are normally powered by POE. If there's no poe they can be powered by an external 12v DC supply on pins 1+2

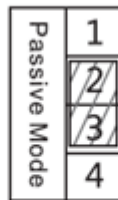
CN7						
1	2	3	4	5	6	7
+12V	VSS	NC	COM	NO	S_IN	S_OUT
12V 1A/DC		Electric-lock switch			Indoor switch	



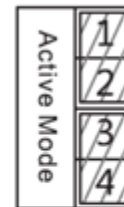
On POE or 12v DC supply, in active mode, the relay will operate but will only run a small current catch lock (up to 700mA). We wouldn't recommend powering a lock by POE.

However the unit can be wired to passive mode so a more powerful power supply can be used for a lock. This 12v can also power the door phone unit in the case of no POE being available. To switch between active and passive modes the user moves a 'jumper' connection inside the unit.

## Jumper settings



Jumper in passive mode  
For External power



Jumper in active mode  
For Internal power  
Upto 700mA

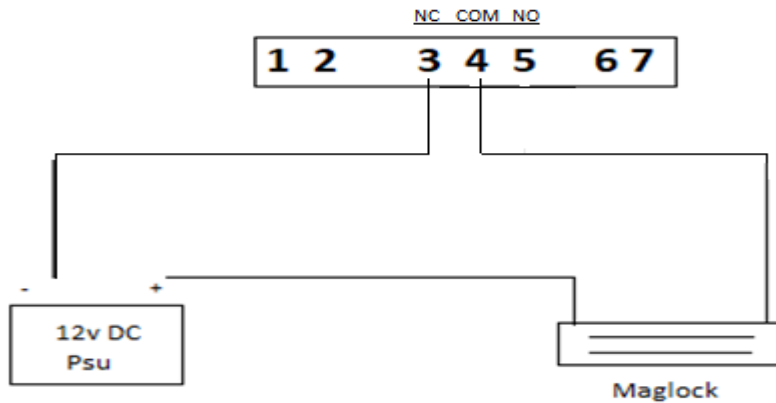
Jumper port	Connections
Active Mode 1/2 3/4	<p>Electric lock: No electricity when open the door</p>
Active Mode 1/2 3/4	<p>Electric lock: When the power to open the door</p>
Passive Mode 1 2/3 4	<p>Door Phone Power Input</p> <p>Electric lock: No electricity when open the door</p>
Passive Mode 1 2/3 4	<p>Door Phone Power Input</p> <p>Electric lock: When the power to open the door</p>

These diagrams are shipped with the units.

The diagrams below are not shipped with the units.

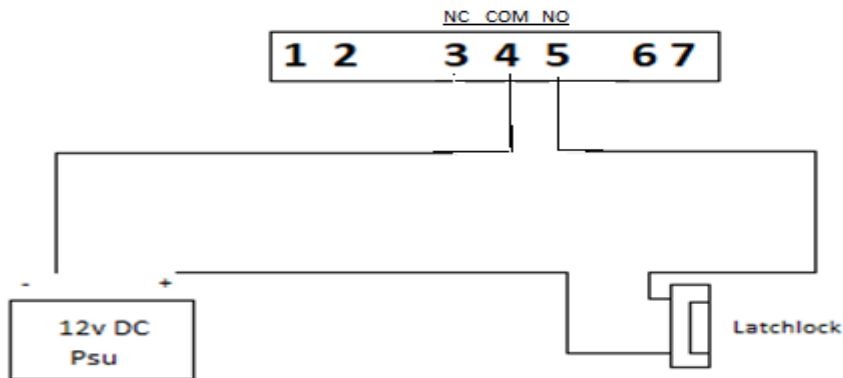
### Maglock

Maglock. Door phone powered by POE. In Passive mode. PSU powering the lock.



### Latchlock

Latchlock. Door phone powered by POE. In Passive mode. PSU powering the lock.



The **i12** & **i18** have different connectors but are essentially the same. They will only work a lock in a passive mode (External power).

J11: Short circuit output Port					
Output Port1(OUT2)			Output Port1(OUT1)		
6	5	4	3	2	1
NC2	COM2	NO2	NC1	COM1	NO1
Normal close	Common terminal	Normal Open	Normal close	Common terminal	Normal Open