

INSTALLATION

WARNING!

This equipment shall be installed in a closed cabinet with no access to live parts. Only the top enclosure of the equipment (where the label is affixed) is allowed to be accessed by the operator.

Since the module is connected to mains/line voltage, it must be installed by a qualified electrician in accordance with local electrical codes.

Turn off power (main circuit breaker) before installation.

Terminal connections

Each module has a wiring diagram on the front which can help the installer when connecting the modules at installation sites. See figure 2.

The terminal connections of the FNIP-8x16A.v4 are listed in Table 1.

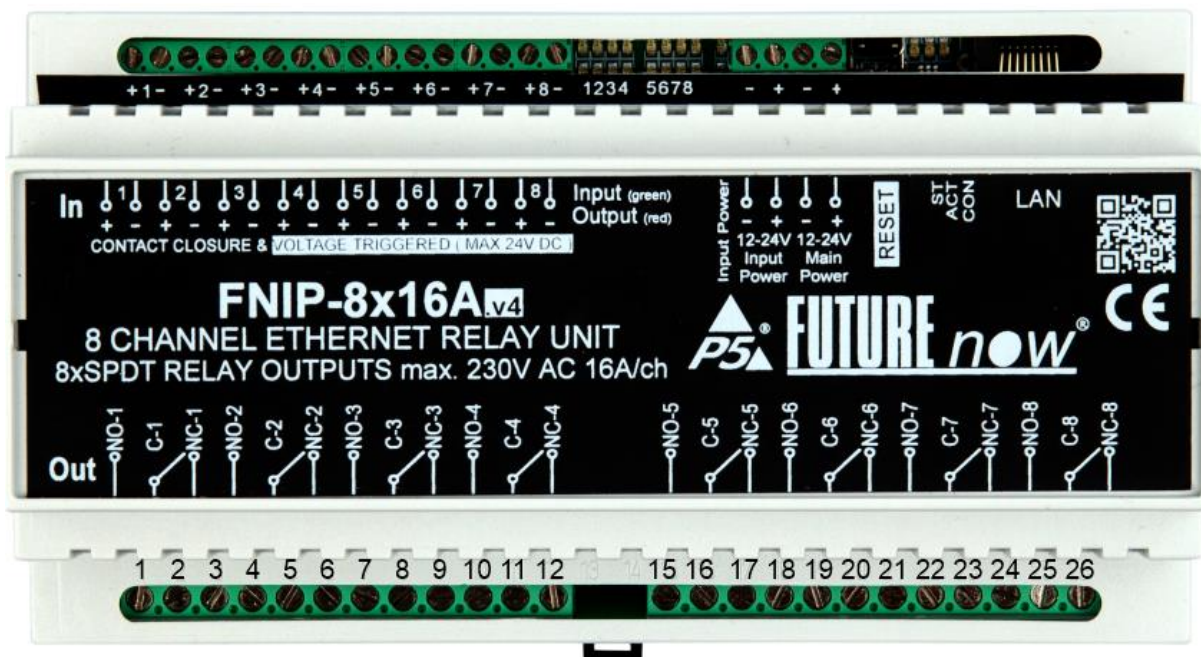


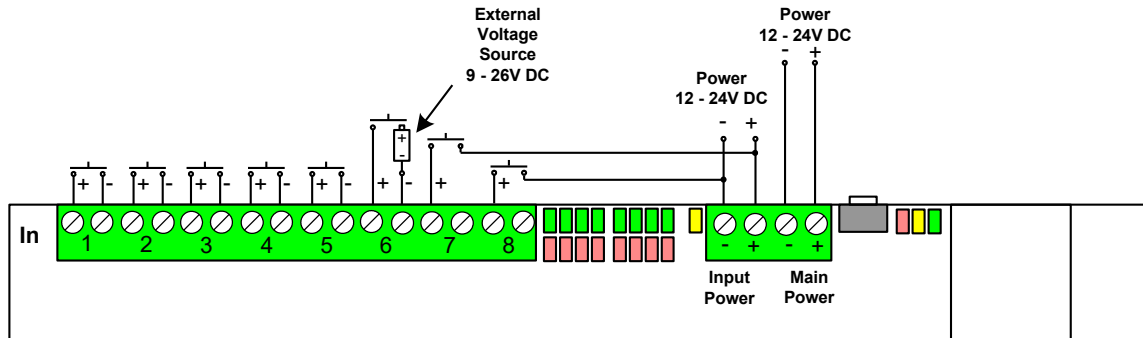
Figure 2. FNIP-8x16A.v4 front view with terminal connectors

Pos.	Description	Pos.	Description
1.	Output 1 N.O.	27.	Input 1 +
2.	Output 1 C.	28.	Input 1 -
3.	Output 1 N.C.	29.	Input 2 +
4.	Output 2 N.O.	30.	Input 2 -
5.	Output 2 C.	31.	Input 3 +
6.	Output 2 N.C.	32.	Input 3 -
7.	Output 3 N.O.	33.	Input 4 +
8.	Output 3 C.	34.	Input 4 -
9.	Output 3 N.C.	35.	Input 5 +
10.	Output 4 N.O.	36.	Input 5 -
11.	Output 4 C.	37.	Input 6 +
12.	Output 4 N.C.	38.	Input 6 -
13.	-	39.	Input 7 +
14.	-	40.	Input 7 -
15.	Output 5 N.O.	41.	Input 8 +
16.	Output 5 C.	42.	Input 8 -
17.	Output 5 N.C.	43.	Power for the Inputs -
18.	Output 6 N.O.	44.	Power for the Inputs + (12V - 24V DC)
19.	Output 6 C.	45.	Power for the Main Circuit -
20.	Output 6 N.C.	46.	Power for the Main Circuit + (12V - 24V DC)
21.	Output 7 N.O.	47.	-
22.	Output 7 C.	48.	-
23.	Output 7 N.C.	49.	-
24.	Output 8 N.O.	50.	LAN
25.	Output 8 C.	51.	
26.	Output 8 N.C.	52.	

Table 1: FNIP-8x16A.v4 terminal connectors

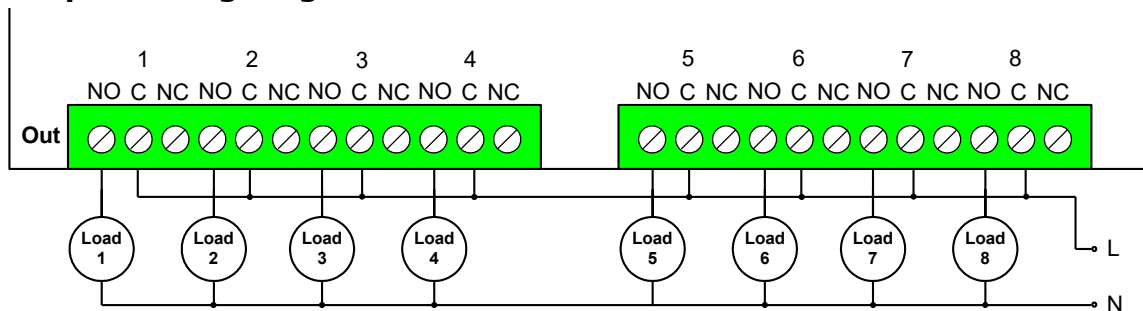
Wiring diagrams

Input Wiring diagram



All input trigger options are shown in this diagram. (Dry contact, External voltage)

Output Wiring diagram



All outputs in this example are used to switch line voltage on the same phase. Since the outputs provide dry contacts, any voltage that doesn't exceed the specifications can be switched.

After installation, check if the outputs can be toggled via the inputs (only applicable if input power is connected across terminals 43-44.) The status LEDs will assist you in tracking the status of the inputs and outputs.

Recommended wire types

- Ethernet cable: Twisted pair, CAT5 or better.
 - Outputs: According to the load attached to the outputs (current and voltage ratings).
 - Inputs: A pair of low voltage cable. The inputs use low voltage signals.
- All wires used and the way they are run must be in accordance with the local electrical codes.