FutureNow FNIP-8x16A

8-Channel Relay 16A

Standard

Pro

Premium

FutureNow 8-channel Relay FNIP-8x16A v4

The FNIP-8x16A v4 is an 8 channel relay module used for switching any type of load or circuit either via its local inputs, custom TCP protocol or its built-in web server.

- All-purpose heavy-duty relay outputs for switching any type of load
- 8 x 230V/16A SPDT (NO & NC) dry contact outputs
- 8 optically isolated multi-purpose digital inputs for contact sensors and manual operation
- Built-in web server for configuration, control and monitoring
- TCP communication protocol (API) with simple ASCII commands
- Multiple users with different user rights
- Automatic event reporting of input and output status changes
- Firmware upgrade via LAN
- Scenes stored in the modules can be activated from any input on any module on the network
- Available in Standard, Pro, and Premium versions. The Pro and Premium models offer capacitive touch buttons for manual control, while the Premium comes with an E-ink display.

Specification

Power Requirements	
Main Circuitry	10.8 – 36 VDC max. 340mA @ 12V for the standard and pro versions max. 170mA @ 24V for the standard and pro versions max. 360mA @ 12V for the premium version max. 180mA @ 24V for the premium version
Inputs	9 – 36 VDC max. 20mA @ 12V max. 45mA @ 24V
Outputs	
Type	8 x SPDT NO, NC, dry contacts
Load	max. 16A@250VAC or 24VDC for resistive (cos(fi)=1) loads max. 8A@250VAC or 24VDC for inductive (cos(fi)=0.4) loads max. capacitive load 20µF (equivalent to approx. 50W of LED load). For higher LED loads please use FNIP-8x16A v5
In-rush current	max. in-rush current 40A/20ms
Inputs	
Type	8 x optically isolated, noise protected, common GND digital inputs
Communication	
Control	TCP (simple ASCII TCP commands) Build-in web server Local inputs (dry contacts, momentary switches)
Input modes	Toggle, monostable, input follow, independent
Interoperability	Drivers available for most systems
Connectors	
Input Terminals	1.5mm² screw terminals for the inputs
Output Terminals	2.5mm² screw terminals for the outputs
Ethernet	RJ45 Ethernet Connector
Environmental	
Operating Temperature	0 °C – 40 °C (32 °F – 104 °F)
Storage Temperature	-20 °C – 60 °C (-4 °F – 140 °F)
Humidity	Up to 93%
Physical	
Dimensions (H x W x D)	157 mm x 86 mm x 57 mm (9 DIN unit width)
Weight	0.38Kg
Installation	Standard DIN Rail Mount

Approvals	Package Content	Warranty
CE	FNIP-8x16A	2 years