FutureNow FNIP-4x16A PoE

4-Channel Relay 16A, powered over Ethernet



FutureNow 4-channel Relay FNIP-4x16A PoE

The FNIP-4x16A is a 4 channel relay module used for switching a wide range of loads or circuits via its local inputs, custom TCP protocol or its built-in web server. It has a compact design and is powered over Ethernet (PoE).

- All-purpose heavy-duty relay outputs for switching any type of load
- 4 x 230V/16A SPST NO dry contact outputs
- 4 multi-purpose digital inputs for contact sensors and manual control
- PoE (IEEE 802.3af) – low power consumption
- 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

Specification

Power Requirements	
Main Circuitry	PoE (IEEE 802.3af)
Outputs	
Type	4 x SPST NO 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 100µF (equivalent to ~250W LED load)
In-rush current	max. in-rush current 80A/20ms
Inputs	
Type	4 x multi-purpose 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 Output Terminals	1.5mm² screw terminals for the outputs 2.5mm² screw terminals for the inputs
Ethernet	RJ45 Ethernet Connector (10Mbps)
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)	70 mm x 86 mm x 32 mm (4 DIN unit width)
Weight	0.150g
Installation	Standard DIN Rail and Surface (with additional flaps) Mount

Approvals	Package Content	Warranty
CE	FNIP-4x16A	2 years