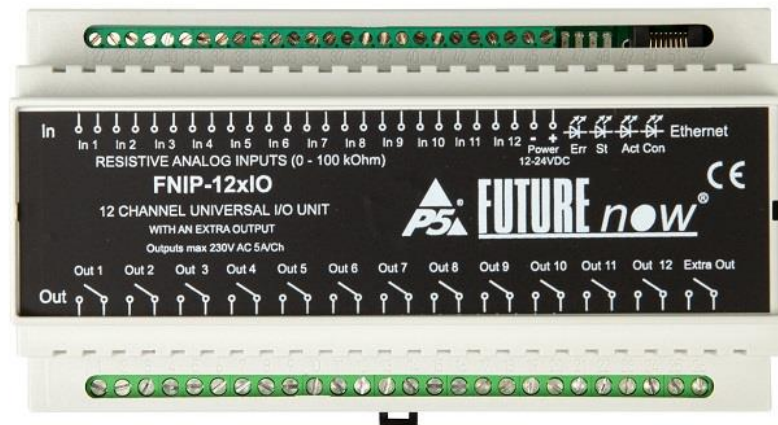# FutureNow FNIP-12xIO

12+1 Channel Relay Module with Analog Inputs

Main features

- 13 potential-free relay outputs
- 12 analog inputs
- Remote control over LAN
- Local control inputs
- Scenes stored in the module

- ➢ DIN rail or Surface (with additional mounting flaps) Mount
- ➢ 13 x max 230V AC/ 3A later 5A NO relay outputs
- ➢ 12 resistive analog inputs
- ➢ Built-in web server for configuration, control and monitoring
- ➢ TCP communication protocol (API) with simple ASCII commands
- ➢ Drivers/Software modules/Profiles for third party systems (coming)
- ➢ Free mobile apps (coming)
- ➢ 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.

Specifications

Power Requirement	
Main Power	12 – 24 VDC (10.8V - 36V DC), max 280 mA @ 12V, 150 mA @ 24V

NC Relay Outputs	
Load	13 x max. 5A @ 230V AC

Inputs	
Type	12 x resistive analog (0-100 kOhm)

Communication	
Control	TCP (simple ASCII TCP commands) Build-in web server (HTTP) Local inputs for momentary switches
Mobile devices	P5 iOS/Android apps
Interoperability	Drivers available for most systems

Connectors	
Input terminals	1.5mm² screw terminals
Output terminals	2.5mm² screw terminals
Ethernet	RJ45 Ethernet Connector

Environmental	
Operating Temperature	0 ^{0}C – 40 ^{0}C (32 ^{0}F – 04 ^{0}F)
Storage Temperature	-20 ^{0}C – 60 ^{0}C (-4 ^{0}F – 140 ^{0}F)
Humidity	Up to 93% (non-condensing)

Physical	
Dimensions (H x W x D)	157 mm x 86 mm x 57 mm (9 DIN unit width)
Weight	0.28 kg
Installation	Standard DIN Rail Mount and Surface (with additional flaps) Mount

Approvals	Package Content	Warranty
CE	FNIP-12xIO Quick Installation Guide	2 years