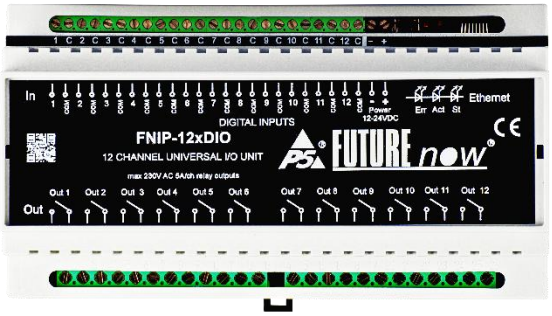
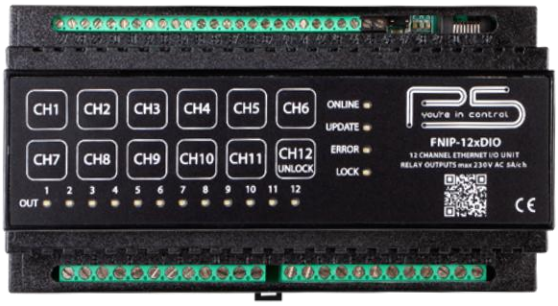
FutureNow FNIP-12xDIO

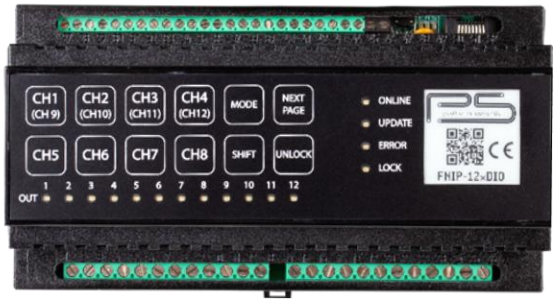
12 Channel Relay Module with Local Inputs



Standard



Pro



Premium

Main features

- 12 potential-free relay outputs
- 12 digital inputs for local control
- Control over LAN

- DIN rail or Surface (with additional mounting flaps) Mount
- 12 x max 230V AC 5A NO relay outputs
- 12 multi-purpose digital inputs for manual operation and contact sensors
- 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
- 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

Specifications

Power Requirement	
Main Circuitry	10.8 – 36 VDC max. 300mA @ 12V for the standard and pro versions max. 150mA @ 24V for the standard and pro versions max. 320mA @ 12V for the premium version max. 160mA @ 24V for the premium version
Inputs	9 – 36 VDC max. 20mA @ 12V max. 45mA @ 24V
Outputs	
Type	12 x SPST NO dry contacts
Load	max. 5A@250VAC or 24VDC for resistive (cos(fi)=1) loads max. 3A@250VAC or 24VDC for inductive (cos(fi)=0.4) loads max. capacitive load 40µF (equivalent to approx. 100 W of LED load)
In-rush current	max. in-rush current 40A/100µs
Inputs	
Type	12 x digital inputs with common GND, noise protected
Communication	
Control	TCP (simple ASCII TCP commands) Build-in web server (HTTP) Local inputs (dry contacts) for momentary switches
Input modes	Toggle, monostable, input follow, independent
Interoperability	Drivers available for leading control 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 – 104 ^{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

Approvals	Package Content	Warranty
CE	FNIP-12xDIO	2 years