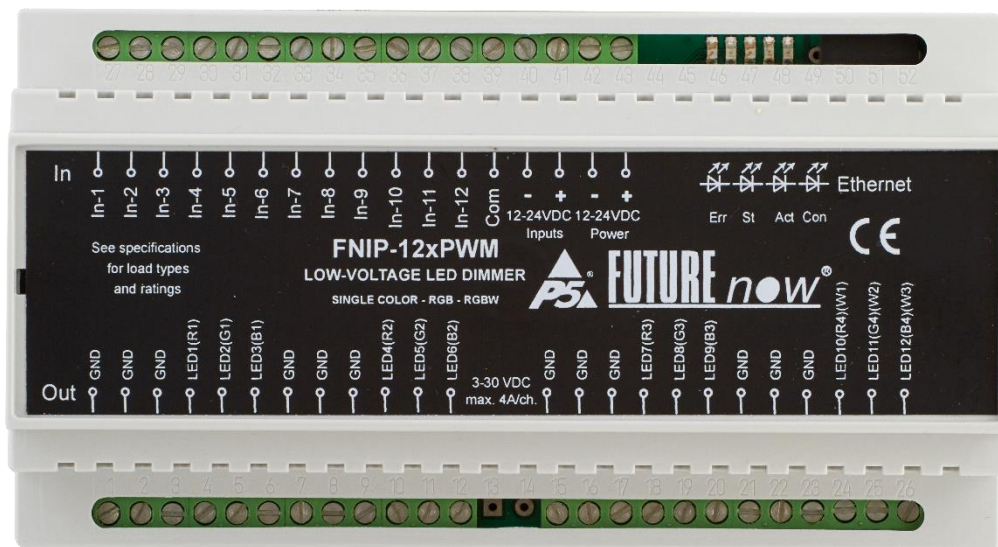


# FutureNow FNIP-12xPWM

## 12-Channel Low Voltage Dimmer



### FutureNow 12-channel Low Voltage Dimmer FNIP-12xPWM

The FNIP-12xPWM is a 12 channel low voltage dimmer module used for switching and dimming up to 12 low voltage LED lighting loads either via local inputs, custom TCP protocol or its built-in web server.

- 12 x 4A low-voltage PWM outputs
- 12 optically isolated multi-purpose digital inputs for contact sensors and manual operation
- Single colour, RGB and RGBW LED strip support
- Colour picker feature
- 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	9 – 36 VDC max. 100mA @ 12V max. 50mA @ 24V	
Inputs	9 – 36 VDC max. 25mA @ 12V max. 55mA @ 24V	
Outputs		
Load	Max. 4A/Channel, 3-30 VDC	
Inputs		
Type	12 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, RGB, independent	
Interoperability	Drivers available for most systems	
Connectors		
Terminals	2.5mm <sup>2</sup> screw terminals for both inputs and 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	0.28Kg	
Installation	Standard DIN Rail Mount	
Approvals	Package Content	Warranty
CE	FNIP-12xPWM	2 years