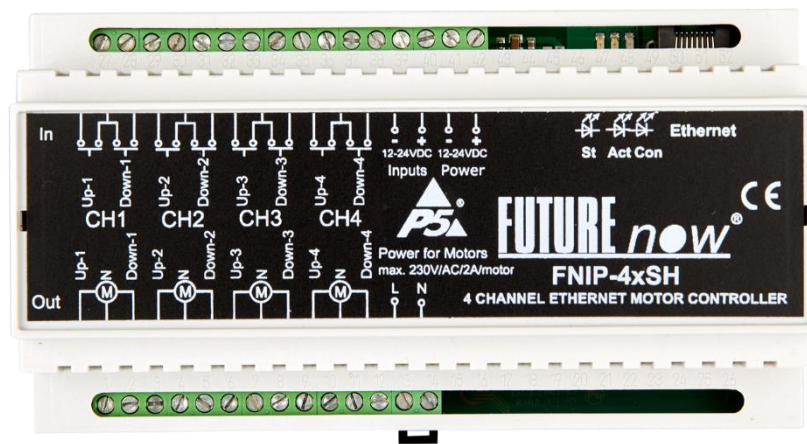


FutureNow FNIP-4xSH

4-Channel Window Shading Controller



FutureNow 4-channel Window Shading Controller FNIP-4xSH

The FNIP-4xSH is a 4 channel window shading controller used for controlling motorized window coverings, such as shades, shutters, blinds, curtains and projection screens, and any other devices equipped with four-wire bidirectional AC motors.

- 4 outputs for controlling 4 four-wire (up/down/neutral/Earth) bidirectional AC motors
- 4x2 (up/down) optically isolated digital inputs for contact sensors or manual operation
- Delay when changing direction to protect the motor. Mechanical and electronic latch preventing the motor from being driven in both directions at the same time
- Up, Down, Stop, Go-to and Go-by commands
- Position tracking
- Adjustable motor running times
- 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

Specification

Power Requirements		
Main Circuitry	10.8 – 36 VDC max. 340mA @ 12V max. 170mA @ 24V	
Inputs	9 – 36 VDC max. 20mA @ 12V max. 45mA @ 24V	
Outputs		
Type	4 x Up/Down relay outputs	
Load	max. 4x2A@250VAC for inductive (cos(fi)=0.4) loads	
Inputs		
Type	4 x 2 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		
Terminals	2.5mm ² 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	0.38Kg	
Installation	Standard DIN Rail Mount	
Approvals	Package Content	Warranty
CE	FNIP-4xSH	2 years