

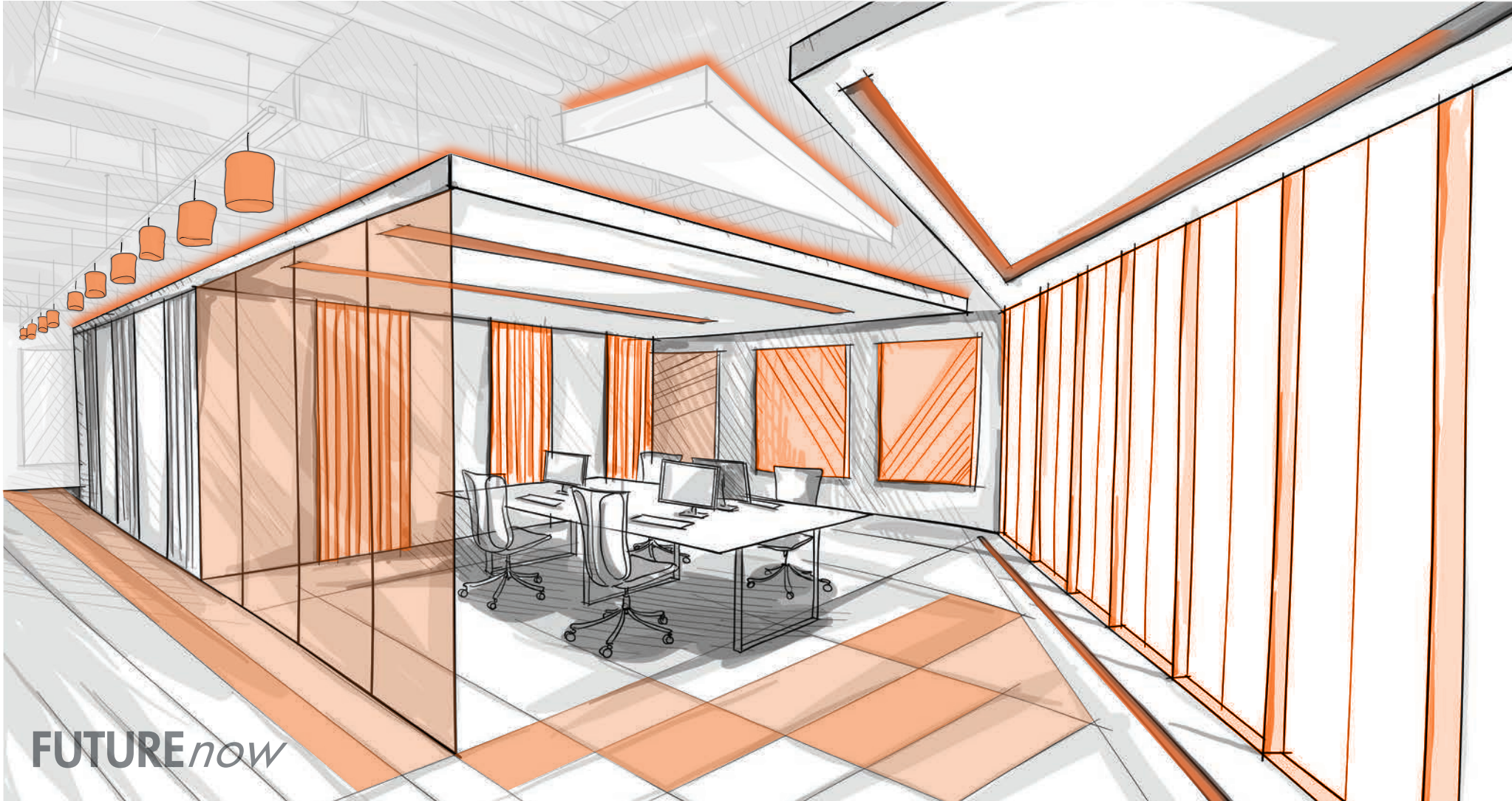
FUTURE *now*

RELIABLE AND AFFORDABLE HOME AND COMMERCIAL AUTOMATION

FNIP Series

Multi-Channel Switches and Dimmers

*The next generation of multi-channel
DIN Rail mountable modules for centralized
lighting and general purpose automation*



FUTUREnow

FNIP

Series

Control4

RTI



AMX
by HARMAN



Extron Electronics



CRESTRON

SAVANT

ANDROID



FNIP-8x16A

Ethernet Relay Switch



Robust Operation

- > All-purpose heavy-duty relay outputs for switching any type of load
- > 8 x 230V/16A SPDT (NO & NC) dry contact outputs
- > 8 galvanically isolated multi-purpose digital inputs for contact sensors or manual operation

Ultimate Flexibility

- > On/Off, Toggle and Monostable switching
- > Standard DIN Rail mount
- > 12-24V DC power requirement
- > Standalone operation via the local inputs, even without a controller or network connection
- > Digital inputs can also be used to monitor door/window contacts, motion, water leakage and any other sensor type

Enhanced Connectivity

- > New TCP/IP interface offers remote control and advanced management
- > Built-in web server for configuration, control and monitoring
- > Operation via LAN and over the Internet
- > Free mobile app enables remote control and monitoring from smartphones and tablets
- > Multiple users with different user rights
- > TCP communication with simple ASCII commands
- > Communication protocol available upon request
- > 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
- > Modules can send out custom TCP/IP commands to control A/V or other equipment

Industry-Wide Interoperability

- > Easy integration with home controllers
- > The inputs work with all types of toggle (standard wall switch) or momentary contact switches on the market



FNIP-4xSH

Ethernet Window Covering Controller



Robust Operation

- > Ideal for controlling motorized window coverings, projection screens, awnings, etc.
- > 4 outputs for controlling 4 four-wire (up / down / neutral / Earth) bidirectional AC motors
- > 4x2 (up/down) galvanically 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

Ultimate Flexibility

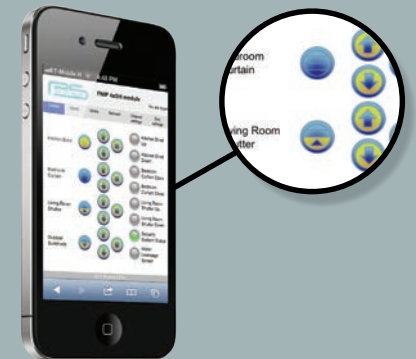
- > Up, Down, Stop and "Go to a certain position" commands
- > Adjustable up and down motor running times
- > Separate power inputs for powering motors with different voltage requirements
- > "Motor in motion" indication
- > Percentage indication of position
- > Standard DIN Rail mount
- > 12-24V DC power requirement
- > Standalone operation via the local inputs, even without a controller or network connection
- > Digital inputs can also be used to monitor door/window contacts, motion, water leakage and any other sensor type

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Industry-Wide Interoperability

- > Easy integration with home controllers
- > The inputs work with all types of momentary contact switches on the market



FNIP-6x2AD

Ethernet Smart Dimmer



Robust Operation

- > All-in-one dimmer
- > 6 outputs for switching and dimming 6 lighting circuits
- > 6 galvanically isolated digital inputs for contact sensors or manual operation
- > Overload protection

Ultimate Flexibility

- > Switching any load type
- > Both trailing and leading edge dimming (dimming of resistive, capacitive and inductive loads)
- > 12-24V DC power requirement
- > Automatic load type detection
- > Switching (On/Off) any type of load
- > Possibility to combining two outputs for more wattage
- > Standard DIN Rail mount
- > Voltage, frequency, power consumption and temperature metering
- > 100 dim levels (800 level hardware resolution)
- > Preset dim level - outputs will go to that level when turned on
- > Dim level memory - outputs recall their last dim level when next turned on
- > Adjustable minimum and maximum dim levels
- > Adjustable ramp rates

Enhanced Connectivity

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- > Multiple users with different user rights
- > TCP communication with simple ASCII commands
- > Communication protocol available upon request
- > 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
- > Modules can send out custom TCP/IP commands to control A/V or other equipment

Industry-Wide Interoperability

- > Easy integration with home controllers
- > The inputs work with all types of momentary contact switches on the market



FNIP-12xPWM

Ethernet Low-Voltage LED Dimmer



Robust Operation

- > Ideal for dimming single colour or RGB LED strips
- > 12 x 4A low-voltage PWM outputs
- > 12 galvanically isolated digital inputs for manual operation or contact sensors
- > Single colour and RGB LED strip support
- > Separate power inputs for the LED strips
- > Compatibility with PWM boosters

Ultimate Flexibility

- > RGB commands
- > Colour picker support
- > Colour fading mode - sweeping through all colours with adjustable speed
- > Link multiple RGB outputs to show the same colour
- > Multiple input actions: toggle, dimming, cycling through basic colours, colour fade - all using a single button with different tapping patterns
- > Standard DIN Rail mount
- > Supports both 12V and 24V LEDs
- > Standalone operation via the local inputs, even without a controller or network connection
- > Digital inputs can also be used to monitor door/window contacts, motion, water leakage and any other sensor type

Enhanced Connectivity

- > New TCP/IP interface offers remote control and advanced management
- > Built-in web server for configuration, control and monitoring
- > Operation via LAN and over the Internet
- > Free mobile app enables remote control and monitoring from smartphones and tablets
- > Multiple users with different user rights
- > TCP communication with simple ASCII commands
- > Communication protocol available upon request
- > 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
- > Modules can send out custom TCP/IP commands to control A/V or other equipment

Industry-Wide Interoperability

- > Easy integration with home controllers
- > The inputs work with all types of momentary contact switches on the market



FNIP-1 2xMZT

Multi-Zone Ethernet Thermostat



Robust Operation

- > 12 in 1 DIN rail mountable thermostat
- > 12 inputs for analog temperature sensors
- > 12 x NO relay outputs to control valves
- > Standalone operation – setpoint and schedule stored in the module
- > The unit sits discretely out of sight - no more bulky boxes on the walls

Ultimate Flexibility

- > Heating and cooling modes
- > Custom programmable extra relay output - ideal for boiler control
- > 12-24V DC power requirement
- > Outputs and temp inputs can also be used separately
- > Heating/cooling program

Enhanced Connectivity

- > New TCP/IP interface offers remote control and advanced management
- > Built-in web server for configuration, control and monitoring
- > Operation via LAN and over the Internet
- > Setpoint and schedule adjustable via TCP/IP
- > Multiple users with different user rights
- > TCP communication with simple ASCII commands
- > Communication protocol available upon request
- > Automatic event reporting of input and output status changes
- > Firmware upgrade via LAN

Industry-Wide Interoperability

- > Easy integration with home controllers
- > Inputs support most analog temp sensor types: PT1000, PTC 1K-47K, NTC 1K-47K



FN485

Series

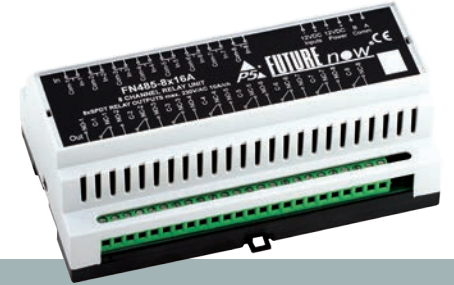


Control4



FN485-8x16A

Bus Relay Switch



Robust Operation

- > All-purpose heavy-duty relay outputs for switching any type of load
- > 8 x 230V/10A SPDT (NO & NC) dry contact outputs
- > 8 x galvanically isolated multi-purpose digital inputs for contact sensors and manual operation

Ultimate Flexibility

- > On/Off, Toggle and Monostable switching
- > Standard DIN Rail mount
- > Standalone operation via the local inputs, even without a controller or bus connection
- > 26 preset groups/scenes
- > Digital inputs can also be used to monitor door/window contacts, motion, water leakage and any other sensor type
- > Optional RS232 communication

Enhanced Connectivity

- > Easy to connect two-wire daisy-chain bus
- > Communication protocol available upon request
- > 100+ bus commands

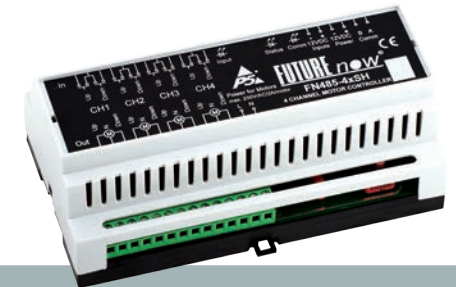
Industry-Wide Interoperability

- > Easy integration with home controllers
- > The inputs work with all types of toggle (standard wall switch) or momentary contact switches on the market



FN485-4xSH

Bus Window Covering Controller



Robust Operation

- > Ideal for controlling motorized window coverings, projection screens, awnings, etc.
- > 4 outputs for controlling 4 four-wire (up / down / neutral / Earth) bidirectional AC motors
- > 4x2 (up/down) galvanically 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

Ultimate Flexibility

- > Up, Down and Stop commands
- > Adjustable up and down motor running times
- > Separate power inputs for powering motors with different voltage requirements
- > "Motor in motion" indication
- > Standard DIN Rail mount
- > Standalone operation via the local inputs, even without a controller or network connection
- > 26 preset groups/scenes
- > Digital inputs can also be used to monitor door/window contacts, motion, water leakage and any other sensor type

Enhanced Connectivity

- > Easy to connect two-wire daisy-chain bus
- > Communication protocol available upon request
- > 50+ bus commands

Industry-Wide Interoperability

- > Easy integration with home controllers
- > The inputs work with all types of momentary contact switches on the market



FN485-6x2AD

Bus Smart Dimmer



Robust Operation

- > All-in-one dimmer
- > 6 outputs for switching and dimming 6 lighting circuits
- > 6 galvanically isolated digital inputs for contact sensors or manual operation
- > Overload protection

Ultimate Flexibility

- > Switching any load type
- > Both trailing and leading edge dimming (dimming of resistive, capacitive and inductive loads)
- > Automatic load type detection
- > Switching (On/Off) any type of load
- > Possibility to combine two outputs for more wattage
- > Standard DIN Rail mount
- > Standalone operation via the local inputs, even without a controller or bus connection

- > Voltage, frequency, power consumption and temperature metering
- > 100 dim levels (800 level hardware resolution)
- > Preset dim level - outputs will go to that level when turned on
- > Dim level memory - outputs recall their last dim level when next turned on
- > Adjustable minimum and maximum dim levels
- > Adjustable ramp rates

Enhanced Connectivity

- > Easy to connect two-wire daisy-chain bus
- > Communication protocol available upon request

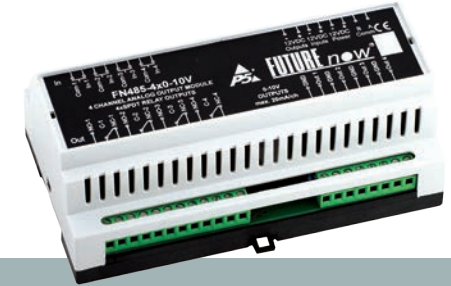
Industry-Wide Interoperability

- > Easy integration with home controllers
- > The inputs work with all types of momentary contact switches on the market



FN485-4x0-10V

Bus Analog Output Module



Robust Operation

- > 4 optically isolated, analog 0-10V outputs for dimming LED or fluorescent lights with 0/1-10V driver
- > 4 heavy duty relays to cut power off from the outputs at zero dim level
- > 4 galvanically isolated digital inputs for contact sensors or manual operation

Ultimate Flexibility

- > Standard DIN Rail mount
- > Standalone operation via the local inputs, even without a controller or bus connection
- > 100 dim levels
- > Preset dim level – outputs will go to that level when turned on

- > Dim level memory - outputs recall their last dim level when next turned on
- > Adjustable minimum and maximum dim levels
- > Adjustable ramp rates
- > 26 groups/scenes
- > Flashing mode

Enhanced Connectivity

- > Easy to connect two-wire daisy-chain bus
- > Communication protocol available upon request
- > 100+ bus commands

Industry-Wide Interoperability

- > Easy integration with home controllers
- > The inputs work with all types of momentary contact switches on the market



FN485 Gateway

RS-232/FN485 Gateway



Robust Operation

- > Connects the FN485 bus to automation controllers
- > Optically isolated RS-232 port
- > Automatic polling as fast as possible

Ultimate Flexibility

- > Ethernet port coming soon
- > Automatic event reporting
- > Editable polling list
- > Free PC software
- > Dedicated input bus support coming soon

Enhanced Connectivity

- > Easy to connect two-wire daisy-chain bus
- > Communication protocol available upon request

Industry-Wide Interoperability

- > Easy integration with home controllers



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