

DIN-8SW8-I

DIN Rail High-Voltage Switch with Digital Inputs

The DIN-8SW8-I is an 8-channel lighting control module designed to support switching of non-dimmable lighting and fans. In addition, the DIN-8SW8-I features eight isolated digital inputs, allowing standard momentary switches to trigger events with or without a control system. A single model supports both 120 and 220-240 Volt applications. Each channel handles incandescent loads up to 10 Amps, fluorescent loads up to 5 Amps, and also 1/2 HP motors.^[1]

Override Input

An override input is provided to allow an external contact closure to momentarily override the control system program and set each channel output to its override preset state. States can be set and saved locally from the front panel, or remotely via software.

Isolated Local Inputs

The DIN-8SW8-I provides 8 isolated local inputs, allowing momentary push button keypads to be used. By default, a momentary voltage applied on each input will cause the associated relay to toggle on/off. In addition, the attached Crestron control system can override this behavior to create 8 general-purpose inputs. In this mode, push button keypads can be programmed to provide customized functionality.

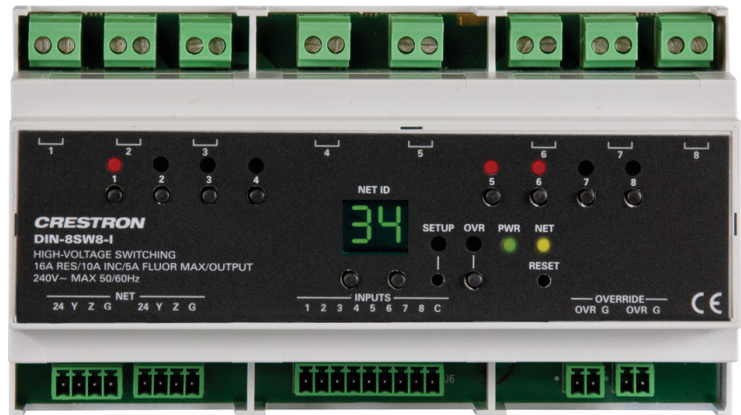
DIN Rail Installation

The DIN-8SW8-I is designed to snap onto a standard DIN rail for installation in a wall mount enclosure. Wiring connections are made using screw terminals positioned along the top and bottom, clearly accessible from the front for easy installation and servicing. All setup controls and indicators are positioned on the center front panel. When installed in an enclosure utilizing 45 mm cutouts, the DIN-8SW8-I's front panel stays accessible while the connections are concealed.

Cresnet®

The DIN-8SW8-I communicates with a DIN-AP2 2-Series Automation Processor, or other Crestron 2-Series control system, via the Cresnet control network. A pair of Cresnet ports is provided on the DIN-8SW8-I allowing for easy daisy-chaining of several DIN Rail Series automation control modules.

- > 8 channels of power switching
- > 8 voltage-driven isolated digital inputs
- > Supports 120 to 240 Volt 50/60 Hz
- > Override input
- > Cresnet communications
- > Setup via front panel or software
- > Programmable functionality via DIN-AP2
- > 9M wide DIN rail mounting



SPECIFICATIONS

Load Ratings

Switch Channels: 8

Maximum Per Channel: 10 Amps incandescent, 5 Amps fluorescent, 0.5 HP @ 120 to 240 Volts AC, 50/60 Hz;

5 Amps @ 30 Volts DC;

16 Amps Resistive

Module Total: 80 Amps incandescent, 40 Amps fluorescent @ 120 to 240 Volts AC, 50/60 Hz

Load Types^[1]: Incandescent, Magnetic Low-voltage, Electronic Low-Voltage, Neon/Cold Cathode, Fluorescent, Motors

Connections

1 - 8: (8) sets of (2) captive screw terminals;

Isolated Class 1 SPST relay switch circuits 1 - 8;

Relay Rating: 10 Amps incandescent, 5 Amps fluorescent, 16 Amps resistive, 0.5 HP @ 240 Volts AC (per channel);

Maximum Wire Size: 12 AWG (2.5 mm²)

INPUTS 1-8: (9) 3.5 mm detachable terminal blocks (inputs 1-8, common); Rated for 12-24 Volts AC/DC; Input Impedance: 6.8k Ohms

NET: (2) 4-pin 3.5mm detachable terminal blocks, paralleled;

Cresnet slave port

OVERRIDE: (2) 2-pin 3.5mm detachable terminal blocks, paralleled;

Sensing input for external low-voltage contact closure;

Activates override mode when a closure is present;

Minimum Closure Rating: 10mA (per module) at 24 Volts

Controls & Indicators

1 - 8: (8) Red LEDs and (8) miniature pushbuttons for status indication and local control of each channel

NET ID: (2) 7-Segment green LED digits and (2) miniature pushbuttons for setting Cresnet ID

SETUP: (1) Red LED and (1) recessed miniature pushbutton for enabling setup mode and touch-settable ID

OVR: (1) Red LED and (1) miniature pushbutton for enabling override mode and saving override presets

PWR: (1) Green LED, illuminates when DC power is applied to the NET port

NET: (1) Yellow LED, indicates communication with the control processor

RESET: (1) Recessed miniature pushbutton, resets internal processor

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Enclosure

Light gray polycarbonate housing with polycarbonate label overlay, UL94 V-0 rated, 35mm DIN EN 60715 rail mount, DIN 43880 form factor for enclosures with 45mm front panel cutout, occupies 9 DIN module spaces (162mm)

Power Requirements

Cresnet Power Usage: 5.4 Watts (0.23 Amps @ 24 Volts DC)

Environmental

Temperature: 32° to 104°F (0° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Heat Dissipation: 18 BTU/hr

Dimensions

Height: 3.71 in (9.42 cm)

Width: 6.26 in (15.90 cm)

Depth: 2.35 in (5.95 cm)

Weight

13.1 oz (369 g)

Available Models

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Notes:

1. May not be compatible with some high inrush current loads.

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