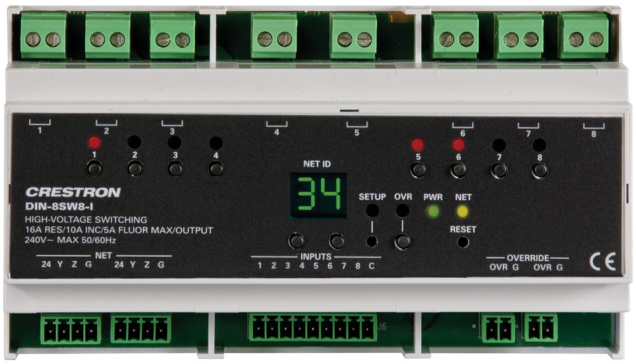
DIN-8SW8-I

8 Channel High-Voltage Switch with 8 Digital Inputs, 8 Feeds, DIN Rail Mount



- *8 channels of power switching*
- *8 voltage driven isolated digital inputs*
- *120 to 240VAC, 50/60 Hz operation*
- *Override input*
- *Cresnet® wired communications*
- *Setup via front panel or software*
- *Programmable functionality using a Crestron® Control System*
- *9M wide DIN rail mounting*

The Crestron® DIN-8SW8-I is an 8-channel lighting control module designed to support non-dimmable lighting and fan switching. The module features eight isolated digital inputs, allowing standard momentary switches to trigger events with or without a control system. A single model supports both 120V and 220-240V applications. Each channel handles incandescent loads up to 10A, fluorescent loads up to 5A, and 1/2 HP motor loads.

Override Input

Override inputs are provided to allow an external contact closure to momentarily override the control system program and set each channel output to its override preset level. Levels can be adjusted and saved locally from the front panel or remotely via software.

Isolated Local Inputs

The DIN-8SW8-I provides eight isolated local inputs, allowing momentary pushbutton keypads to be used. By default, a momentary voltage applied to each input will cause the associated relay to toggle on/off. The attached Crestron control system can override this behavior and create eight general-purpose inputs. In this mode, pushbutton 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 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® Wired Communications

The DIN-8SW8-I communicates with a Crestron® Control System using 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.

Specifications

Power

Cresnet Power Usage	5.4 W (0.23A @ 24VDC)

Load Ratings

Switch Channels	8
Maximum per Channel	10A incandescent @ 120 to 240VAC, 50/60 Hz; 5A fluorescent @ 120 to 240VAC, 50/60 Hz; 0.5 HP @ 120 to 240VAC, 50/60 Hz; 5A @ 30VDC; 16A resistive
Module Total	80A incandescent @ 120 to 240VAC, 50/60 Hz; 40A fluorescent @ 120 to 240VAC, 50/60 Hz
Load Types	Incandescent, Magnetic Low Voltage, Electronic Low Voltage, Neon/Cold Cathode, Fluorescent, Motor (may not be compatible with some high inrush current loads)

Communications

Cresnet	Cresnet secondary mode

Connectors

NET	(2) 4-pin 3.5 mm detachable terminal blocks, paralleled; Cresnet® secondary port

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OVERRIDE	(2) 2-pin 3.5 mm 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 24V
1-8	(8) Sets of (2) captive screw terminals; Isolated Class 1 SPST relay switch circuits 1-8; Relay Rating: 10A incandescent, 5A fluorescent, 16A resistive, 0.5 HP @ 240VAC (per channel); Maximum Wire Size: 12 AWG
INPUTS 1-8	(9) 3.5 mm detachable terminal blocks (inputs 1-8, common); Rated for 12-24VDC; Input Impedance: 6.8 kΩ

Controls and Indicators

NET ID	(2) 7-Segment green LED digits and (2) miniature pushbuttons; For setting Cresnet ID; digits also display output levels and protection/error codes
SETUP	(1) Red LED and (1) recessed miniature pushbutton; For enabling setup mode and Touch-Settable ID (TSID)
OVR	(1) Red LED and (1) miniature pushbutton; For enabling override mode and saving override presets
PWR	(1) Green LED; Indicates 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
1-8	(8) Red LEDs and (8) miniature pushbuttons; For status indication and local control of each channel

Environmental

Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (noncondensing)
Heat Dissipation	18 BTU/hr

Construction

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

Dimensions

Height	3.71 in. (95 mm)
Width	6.26 in. (159 mm)
Depth	2.35 in (60 mm)

Weight

13.1 oz (369 g)

Compliance

Regulatory Model: DIN-8SW8-I
CE, FCC Part 15 Class B, IC Class B

Model

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Available Accessories

For a list of available accessories, visit the DIN-8SW8-I product page.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English.
All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

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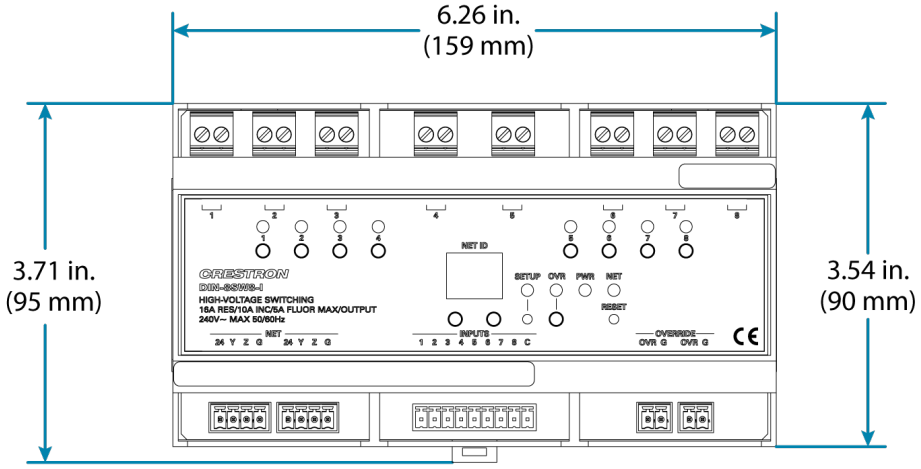

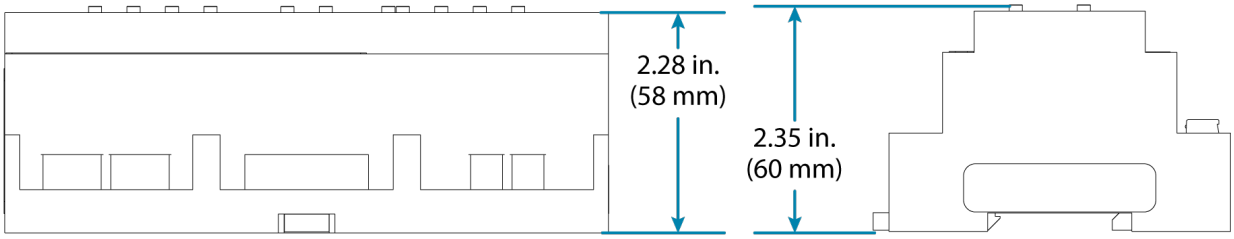

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