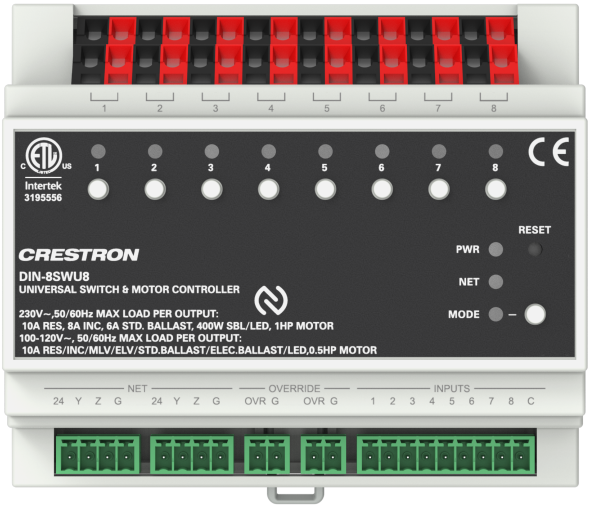
DIN-8SWU8

Universal Switch, 8 Feeds, up to 8 Switch Channels or 4 Bidirectional Motor Control Channels, DIN Rail Mount, 100–230VAC



- *Eight relay outputs, configurable as up to four bidirectional motor control channels*
- *Eight digital inputs for contact closures and 12–24VDC/VAC control signals*
- *Supports LED, ballasts, incandescent, resistive, plus single and bidirectional motors*
- *Pass-through spring terminals and included jumpers simplify wiring*
- *Module-to-module Cresnet® network and override connection*
- *Dedicated override inputs*
- *Output pairing for bidirectional motor control*
- *100–230VAC 50/60Hz*
- *Crestron Home® OS and SIMPL compatibility via Cresnet*
- *Local output control and configuration*
- *Estimated energy monitoring*
- *Compact 6M DIN rail mount*

The DIN-8SWU8 is an 8-channel universal switch module designed to control nondimmable lighting loads, switched loads, and motors. The eight output channels can be configured for independent load control or combined to support up to four bidirectional motors. The module features eight digital inputs, allowing contact closures and applied voltage signals to be used for local control or to trigger events with or without a control system.

Universal Load Switching

The DIN-8SWU8 supports 100–230VAC applications, simplifying specification and deployment across global installations. Each channel is rated for up to 10A resistive loads and supports a variety of load types, including incandescent, magnetic ballast (MLV), electronic ballast (ELV), LED, self-ballasted LED, and motor loads up to 1 HP, depending on operating voltage. Flexible load assignment enables channels to be configured independently or paired for controlling up to four bidirectional motors. Crestron Home enables advanced load assignment for individual relays and bidirectional motor control pairs.

Override Input

Dedicated override inputs allow external contact closures to override the control system and recall preset output states when required. Override settings can be configured through programming or the front panel.

Digital Inputs

Eight digital inputs support dry contacts, wet contacts, and applied voltage signals, including 24VAC. The inputs can be configured for local load control with maintained, momentary, or dual-momentary operation to support bidirectional motor control. 24VAC signal support enables integration with HVAC control systems. The inputs can also be incorporated into a control system program to support advanced button events, including tap, double-tap, and hold actions.

Module to Module Connectors

Module to Module connectors quickly connect Cresnet and Override connections between modules without the need for additional wiring or tools.

Cresnet Connectivity

Cresnet network connectivity enables seamless integration with a Crestron control system, while an external Cresnet power supply (sold separately) can provide operating power.

Local Setup and Configuration

Front-panel controls enable local setup, configuration, testing, and verification without software.

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Pass-Through Spring Terminals

Spring-release terminal connectors simplify wiring and provide secure connections for long-term reliability. Integrated pass-through connections enable quick expansion and reduce the need for external jumpers between modules.

Bidirectional Motor Control

The DIN-8SWU8 supports bidirectional motor control for motorized shades, screens, shutters, and other reversible motor applications. Adjacent output channels can be paired to control the direction of a motor, supporting up to four bidirectional motors per module. Pairing is configured through programming or the front panel. In bidirectional motor mode, the paired relays are interlocked to prevent the open and close outputs from being energized simultaneously.

Energy Monitoring

Estimated energy monitoring tracks runtime and energy usage for each channel based on a programmed load value and relay on-time.

DIN Rail Installation

The DIN-8SWU8 is designed to snap onto a standard DIN rail for installation in a wall mount enclosure. Wiring is clearly accessible from the front of the device for easy installation and servicing. All setup controls and indicators are positioned on the center front panel. When installed in an enclosure utilizing 35 mm cutouts, the DIN-8SWU8's front panel stays accessible while the connections are concealed.

Specifications

Power

Cresnet Power Usage	3.6 W (150mA @ 24VDC)
Line Voltage	100–230VAC, 50/60Hz
Overvoltage Category	III

Load Ratings

Switch Channels	8
100–120VAC Maximum Per Channel	10A LED; 10A Resistive; 10A Incandescent; 10A Magnetic Ballast; 10A Magnetic Low Voltage; 10A Electronic Ballast; 10A Electronic Low Voltage; 0.5 HP Motor
230VAC Maximum Per Channel	10A LED; 10A Resistive; 8A Incandescent; 6A Magnetic Ballast; 400 W Self Ballast Lamp (LED) 1.0 HP Motor
Maximum Terminal Pass-Through Current	10A

NOTES:

- The number of modules allowed in an enclosure is dependent on the loading of those modules, the enclosure type, and the ambient temperature. See the product manual for more details.
- The mechanically latching relays maintain their state through power outages and power cycles.

Communications

Cresnet	Cresnet secondary mode

Connectors

NET	(2) Paralleled 4-pin 3.5 mm detachable terminal blocks; Cresnet secondary port; The DIN-8SWU8 is powered via Cresnet; An external power supply (such as the DIN-PWS60) can be connected.
OVERRIDE	(2) Paralleled 2-pin 3.5 mm detachable terminal blocks; Sensing input for external low-voltage contact closure; Activates override mode when a closure is present

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INPUT	(1) 9-pin 3.5 mm terminal block (inputs 1-8, common); Digital inputs for wet/dry contact closures, 12–24VDC, or 12–24VAC digital signals
LINE	(8) Spring release connectors with pass-through, black; Independent **LINE** input for each channel; Wire gauge: 12–28AWG (0.08 to 2.5 mm)
OUTPUT	(8) Spring release connectors with pass-through, red; Independent switched output for each channel; Wire gauge: 12–28AWG (0.08 to 2.5 mm)
Module to Module	(2) Module to module connectors; Provides Cresnet and Override to connected modules; The DIN-8SWU8 can receive power from a connected device.

Controls and Indicators

PWR	(1) Green LED; Indicates Cresnet 24V is connected
NET	(1) Amber LED; Indicates device is being polled by a control system over Cresnet
MODE	(1) Push button; Used to enter and cycle through configuration modes; (1) RGB LED indicates configuration mode: White: Output Control Orange: Override Configuration Blue: Output Configuration Green: Digital Inputs Configuration
RESET	(1) Recessed push button; Push to reset the DIN-8SWU8; Press and hold for ten seconds to perform a factory restore.
LOAD	(8) Push buttons; Turn the associated output on and off; (8) RGB LEDs provide feedback depending on operation mode; These buttons and LEDs are also used for local setup.

Environmental

Local In-Cabinent Air Temperature	32° to 122°F (0° to 50°C)
Humidity	10% to 90% RH (noncondensing)
Pollution Degree	2
Heat Dissipation	8.7 BTU/hr with eight relays loaded to 10A

Construction

Enclosure	Light gray polycarbonate housing with polycarbonate label overlay
Mounting	35 mm DIN EN 60715 rail mount

Dimensions

Height	3.70 in. (94 mm)
Width	4.17 in. (106 mm)
Depth	2.36 in. (60 mm)

Compliance

Regulatory Model: M202304001

ETL Listed for the United States and Canada to UL 60730-1.
CE compliant for applicable European market requirements.

Model

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Available Accessories

For a list of available accessories, visit the DIN-8SWU8 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.
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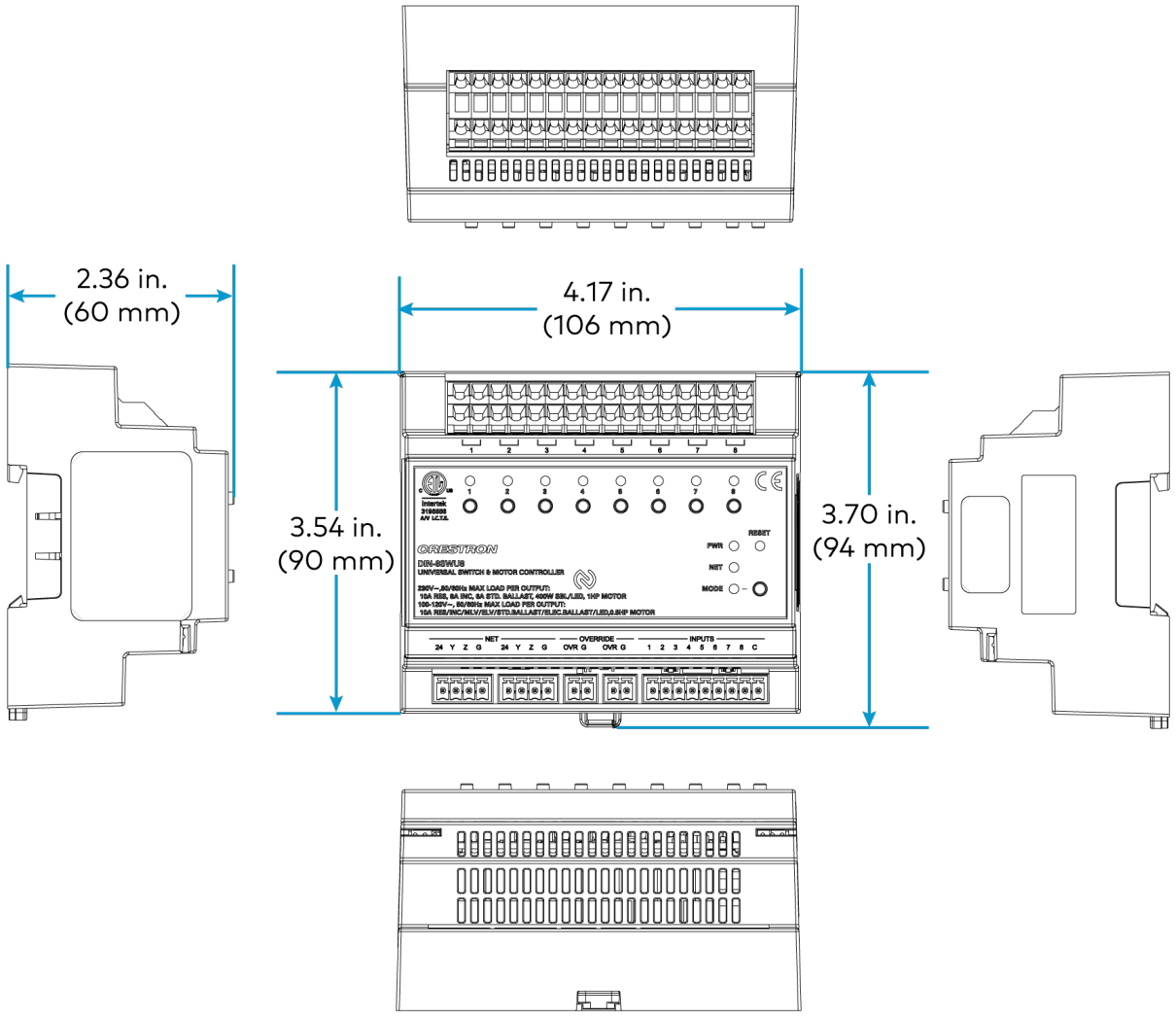
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