DIN-BLOCK

DIN Rail Cresnet Distribution Block

The DIN-BLOCK is a DIN rail-mounted Cresnet distribution block designed to facilitate the termination of Cresnet wiring at a head end or distribution point. DIN rail mounting enables modular installation alongside Crestron DIN Rail lighting and automation control modules and other third-party DIN rail mountable devices.

Cresnet® Distribution

Cresnet is the communications backbone for Crestron lighting modules, wall box dimmers, shade controllers, thermostats, keypads, touchpanels, and many other devices. This flexible 4-wire bus allows for combinations of homerun and daisy-chain wiring, and the DIN-BLOCK provides a simple means for connecting up to 12 separate Cresnet cables in parallel as part of any-sized network.

Cresnet Power Distribution

In addition to data, Cresnet carries 24 Volts DC for powering the devices connected to it. The Cresnet ports on the DIN-BLOCK are arranged into 2 separate power groups, providing an easy way to manage the distribution of power for a complete Cresnet network. A separate power supply may be dedicated to each group, or a single supply can be connected to both groups as needed. Each group supports up to 75 Watts.

DIN Rail Installation

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

SPECIFICATIONS

Connections

POWER A: (6) 4-pin 3.5mm detachable terminal blocks, paralleled;
Power Group A Cresnet distribution ports;
POWER B: (6) 4-pin 3.5mm detachable terminal blocks, paralleled;
Power Group B Cresnet distribution ports;
Note: 'Y', 'Z', and 'G'
terminals are paralleled between power groups

LED Indicators

POWER A - B: (2 green) Indicate Cresnet power present at any NET port of each corresponding power group
Y, Z: (2 red) Indicate Cresnet Y and Z data activity at any NET port

Power Requirements

Cresnet Power Usage: 0.3 Watts (0.01 Amp @ 24 Volts DC)

Environmental

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

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

Heat Dissipation: 1 BTU/hr

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 6 DIN module spaces (108mm)

Dimensions

Height: 3.71 in (94.2 mm)

Width: 4.18 in (106 mm)

Depth: 2.29 in (58.0 mm)

Weight

5.0 oz (148 g)

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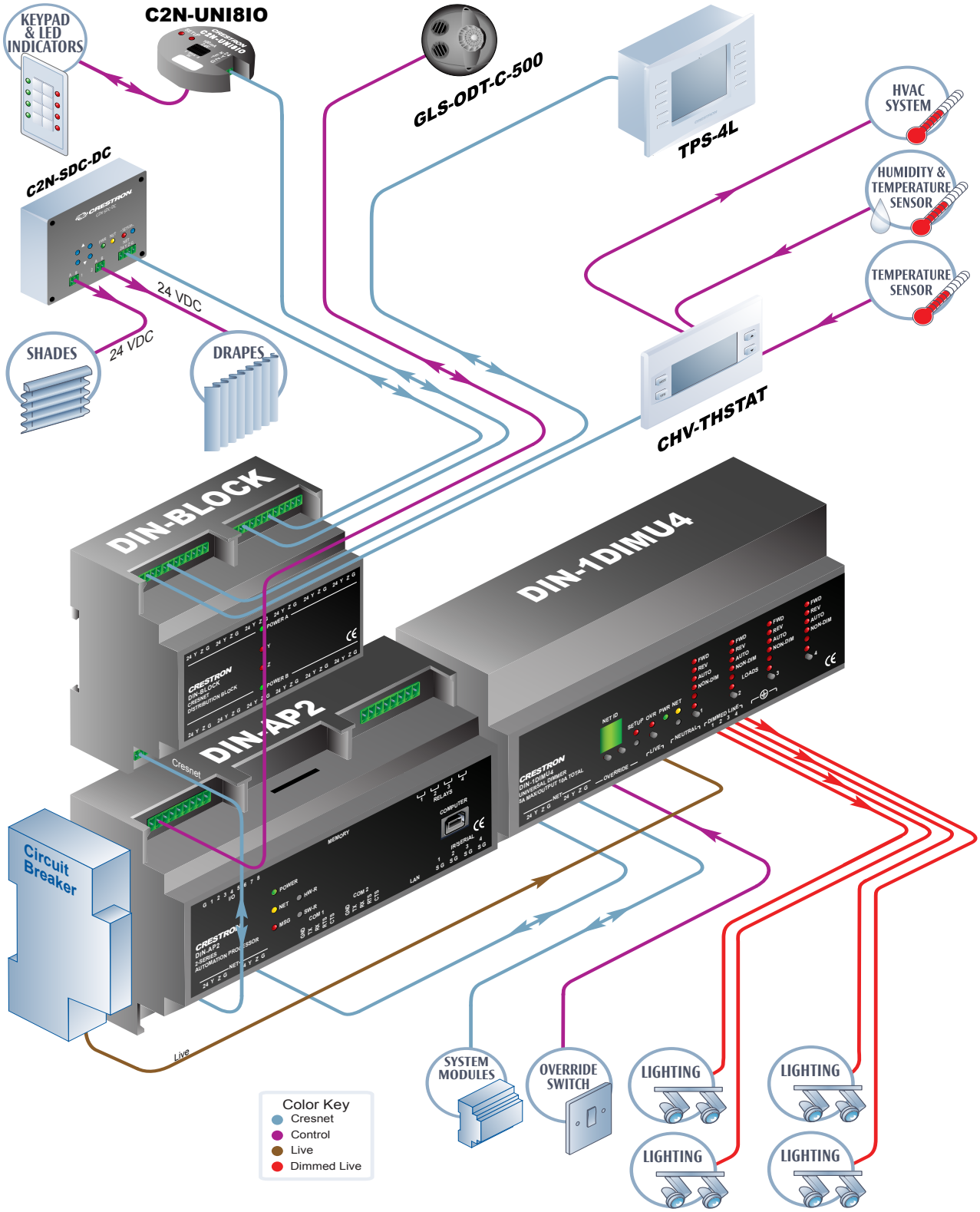
C2N-UNI8IO with DIN-Rail



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CRESTRON

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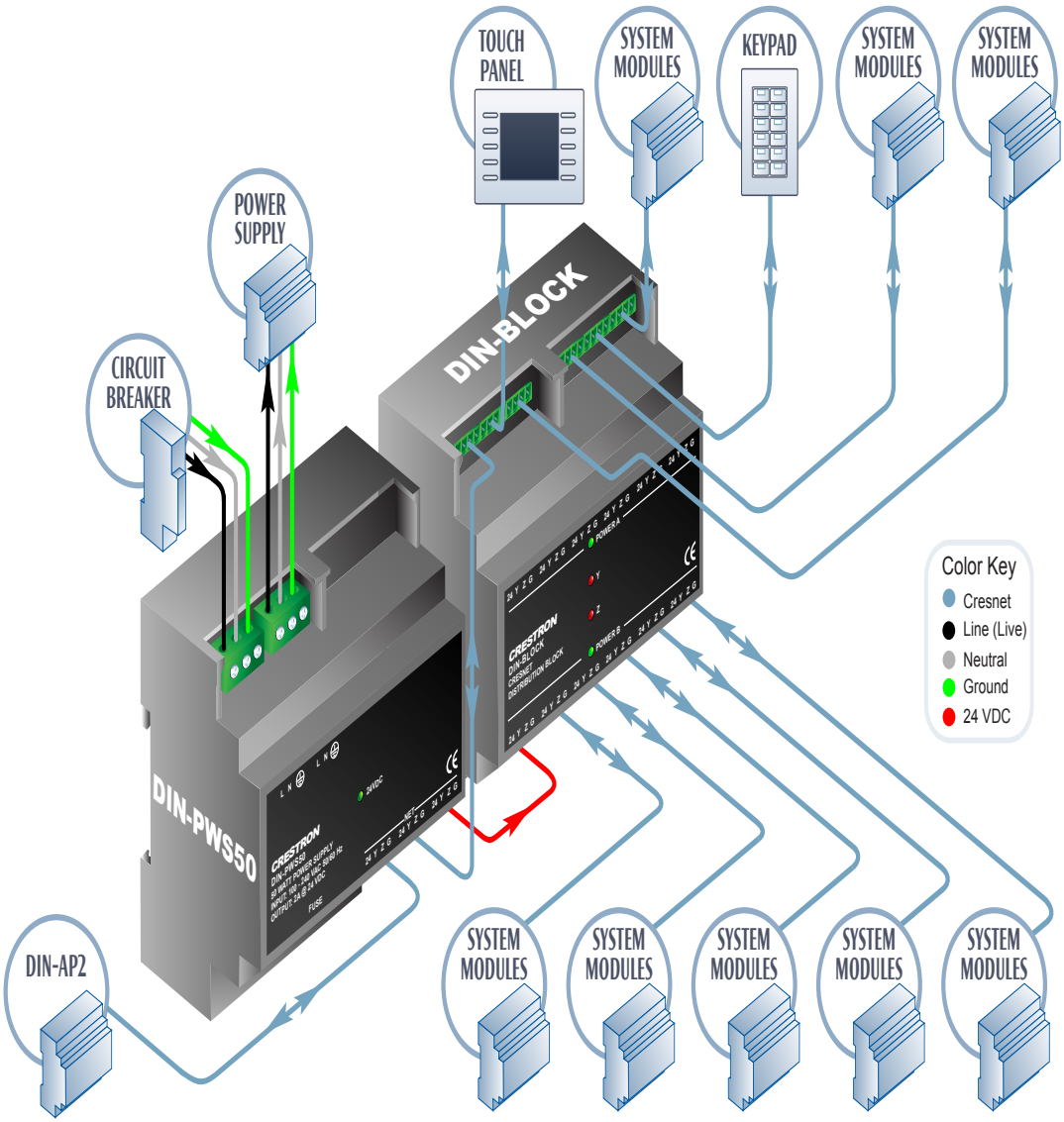
DIN-BLOCK Application



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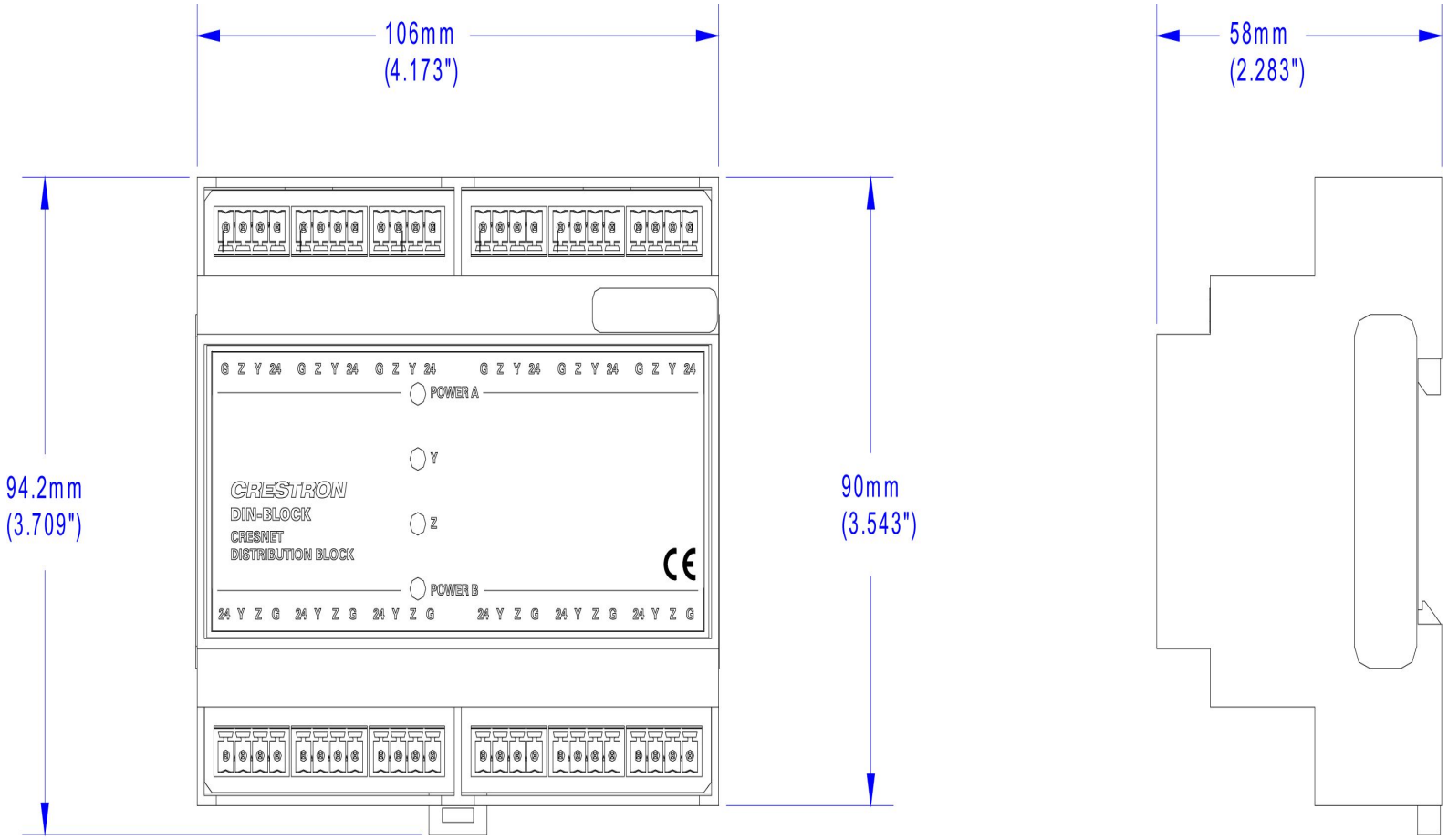

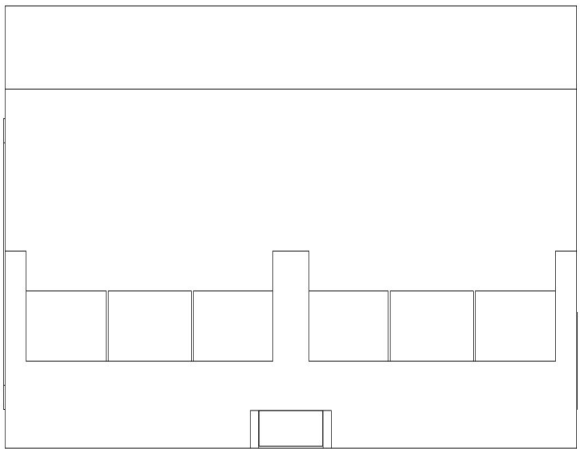

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