

CSM-QMT50-DCCN

Crestron® QMT™ Motor for 38-Inch Roller Shades and Larger, Cresnet®

- > For shades 38 inches and larger
- > Crestron® Quiet Motor Technology™ for nearly imperceptible operation
- > Built-in Cresnet® wired communications
- > Fully integrated design, with no external modules required
- > 24 Volt low-voltage power
- > Installs within shade motor tube
- > Provides real-time activity and status feedback to processor

NOTE: The CSM-QMT50-DCCN is only available as part of a Crestron® shade system and cannot be ordered on its own. To configure shades or order shading parts and accessories, please use the Crestron Design Tool for Crestron Shading Solutions or call 1-855-53-S-H-A-D-E (537-4233) for support.

Featuring Quiet Motor Technology™, the CSM-QMT50-DCCN motor provides quiet yet robust operation for Crestron roller shades 38 inches (96.52 cm) and larger. Fully integrated electronics eliminate the need for bulky add-on interface modules, allowing for a clean, streamlined installation. The CSM-QMT50-DCCN uses the dependable Cresnet® wire network for communications. An infiNET EX® version of the motor is also available (model CSM-QMT50-DCEX).

The CSM-QMT50-DCCN can integrate seamlessly into a Crestron control system to be operated from keypads, wireless remotes, and touch screens. For easy setup, a local three-button interface lets users test shades after installation and also set shade limits. Power is supplied to the CSM-QMT50-DCCN via dedicated Crestron power supplies, such as such as the [CSA-PWS40](#) or [CSA-PWS10S-HUB](#). The CSA-PWS10S-HUB is capable of distributing power to multiple shade motors from one unit, consolidating shade wiring to a central location.

QMT™ Quiet Motor Technology

The Crestron CSM-QMT50-DCCN shade motor uses the quiet, precision-controlled Quiet Motor Technology (QMT) to control the movement of the shade, keep track of the shade's position, and adjust the shade to the user's desired preset positions.

Cresnet

The CSM-QMT50-DCCN uses the dependable Cresnet wire network for communication between devices. The Cresnet bus offers easy wiring and configuration, carrying bidirectional communication and 24VDC power to each device over a simple 4-conductor cable.

SPECIFICATIONS

Motor Specifications

Torque: 6 Nm
Motor Speed: 10-25 rpm
Duty Cycle: 6 min on/6 min off
Shade Widths Supported: 38 in to 192 in (96.52 cm to 487.68 cm)



Insulation Class: III
Intrusion Protection (IP): 31

Power Requirements

Cresnet Power Usage: 50 Watts (2 Amps @ 24 Volts DC); requires a CSA-PWS series power supply, see Available Accessories for model numbers

Communications

Cresnet®

Connectors

NET: (1) 4-conductor pigtail with inline detachable terminal block

Controls & Indicators

LED: (1) tri-color LED, indicates motor status

Buttons: (3) tactile buttons, (1) Raise button raises shade, (1) Lower button lowers shade, (1) Setup button can set shade limits or reverse roll direction of shade

Environmental

Temperature: 32° to 104°F (0° to 40°C)
Humidity: 10% to 90% RH (non-condensing)

Dimensions

Height: 2.5 in (63.4 mm)
Width: 2.5 in (63.4 mm)
Length: 31.50 in (800 mm)

Weight

5.52 lb (2.5 kg)

MODELS & ACCESSORIES

Available Models

CSM-QMT50-DCCN: Crestron® QMT™ Motor for 38-Inch Roller Shades and Larger, Cresnet®

Available Accessories

CSA-PWS40: Power Pack for Crestron® Shade Interfaces & Roller Shade Motors

CSA-PWS10S-HUB: 10-Shade Power Supply and Cresnet® Hub

CSA-PWS10S-HUB-CAEN-1X1: 10-Shade Power Supply and Cresnet® Hub w/CAEN-1X1 Enclosure

Notes:

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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