

CSM-QMTDC-250-4-CN

Digital QMT® Shade Motor for QMT5 Series, 4 Nm, Cresnet®

- > For Crestron® QMT®5 Series Architectural or QMT5 Series Décor System shades 21 inches (534 mm) and larger^[1]
- > Long-life brushless motor featuring Digital 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
- > Real-time activity monitoring and status feedback
- > Local pushbutton interface for testing shades and setting shade limits
- > Local diagnostic LEDs to indicate shade status
- > Smooth starts and stops with programmable stop points
- > Protective features that detect and react to obstructions in the shade path to avoid motor damage
- > Limited Lifetime Warranty

NOTE: The CSM-QMTDC-250-4-CN 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 Digital Quiet Motor Technology™, the CSM-QMTDC-250-4-CN motor provides quiet yet robust operation for Crestron® roller shades 21 inches (534 mm) and larger.^[1] Fully integrated electronics eliminate the need for bulky add-on interface modules, allowing for a clean, streamlined installation. The CSM-QMTDC-250-4-CN uses the dependable Cresnet® wired network for communications. An infiNET EX® wireless version of the motor is also available (model [CSM-QMTDC-250-4-EX](#)).

The CSM-QMTDC-250-4-CN can integrate seamlessly into a Crestron control system, allowing it 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-QMTDC-250-4-CN via dedicated Crestron power supplies, 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.

Quiet Motor Technology

The shade motor utilizes the quiet, precision-controlled Quiet Motor Technology 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-QMTDC-250-4-CN uses the dependable Cresnet wired 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 four-conductor cable.



SPECIFICATIONS

Motor Specifications

Torque: 4 Nm

Motor Speed: 10-30 rpm

Duty Cycle: 8 min on/40 min off at 4 Nm

Shade Widths Supported: 21 in to 180 in (534 mm to 4572 mm), depending on fabric

Insulation Class: III

Power Requirements

Cresnet® Power Usage: 42.5 Watts (1.8 Amps at 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) Multicolor LED, indicates motor status

Buttons: (3) Pushbuttons (Close, Configure, Open), allows for testing and setting up shade

Environmental

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

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

Dimensions

Height: 2.50 in (64 mm)

Width: 2.50 in (64 mm)

Depth: 13.30 in (338 mm)

Weight (Without Cables)

1.95 lb (0.89 kg)

MODELS & ACCESSORIES

Available Models

CSM-QMTDC-250-4-CN: Digital QMT® Shade Motor for QMT5 Series, 4 Nm, Cresnet®

CSM-QMTDC-250-4-EX: Digital QMT® Drapery Motor for QMT5 Series, 4 Nm, infiNET EX®

Available Accessories

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

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

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

Notes:

1. The maximum shade width supported by the motor is dependent on the shade fabric selected.

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

Certain Crestron products contain open source software. For specific information, visit www.crestron.com/opensource.

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