

CSM-QMTDC-250-4-CN

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



- *Designed for use with Crestron® QMT®5 Series Architectural or QMT5 Series Décor System shade hardware*
- *For roller shades 18 to 133 in. (458 to 3,379 mm) wide, depending on fabric and shade height*
- *Digital Quiet Motor Technology™ achieves nearly inaudible operation*
- *Long-life brushless motor design ensures ultimate reliability*
- *Patented automatic torque calibration technology detects obstructions to prevent damage*
- *Starts and stops are smooth and precise*
- *Programmable stop points afford customizable scene presets*
- *Real-time remote activity monitoring and status feedback*
- *Local pushbutton interface for setup and testing*
- *Onboard multicolor diagnostic LED*
- *Fully integrated electronics — no external interface module required*
- *Cresnet® wired communications*
- *Powered using 24 VDC low-voltage, Class 2 wiring*
- *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 18 to 133 in. (458 to 3,379 mm) wide, depending on fabric and shade height. Fully integrated electronics eliminate the need for bulky add-on interface modules, allowing for a clean, streamlined installation.

The CSM-QMTDC-250-4-CN can integrate seamlessly into a Crestron control system, allowing it to be operated alone or as part of a group using keypads, wireless remotes, touch screens, and mobile devices. Setup controls are included on the CSM-QMTDC-250-4-CN to facilitate setup, testing, and adjustment of shade limits by the installer.

For a wireless shade motor alternative with infiNET EX® technology, see model [CSM-QMTDC-250-4-EX](#).

Digital 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® Wired Communications

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 24 VDC power to each device over a simple 4-conductor cable.

Power Supply

Power is supplied to the CSM-QMTDC-250-4-CN via a dedicated power supply ([CSA-PWS40](#), sold separately) or a 10-motor power supply ([CSA-PWS10S-HUB-ENET](#), sold separately).

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Specifications

Motor

Torque	4 Nm
Motor Speed	10-30 RPM
Duty Cycle	8 minutes on / 40 minutes off at 4 Nm
Shade Widths Supported	18 to 133 in. (458 to 3,379 mm); Depending upon shade height and fabric selection
Protection Class	IEC 61140 Class III

Power Requirements

Cresnet® Power Usage	42.5 W (1.8 A @ 24 VDC); Requires a CSA-PWS40 or CSA-PWS10S-HUB-ENET power supply (all sold separately)
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Wired Communications

Cresnet	Cresnet slave mode
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Connectors

NET	(1) 4-conductor attached lead with inline detachable terminal block
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Controls and Indicators

UP, SET, DN	(3) Pushbuttons for setup and testing
Status	(1) Multicolor LED for motor status indication and diagnostics

Environmental

Temperature	32° to 104° F (0° to 40° C)
Humidity	10% to 90% RH (noncondensing)

Dimensions

Diameter	2.50 in. (64 mm)
Length	13.30 in. (338 mm)

Weight

2.0 lb (908 g)

Compliance

IC, FCC Part 15 Class B Digital Device

Models

CSM-QMTDC-250-4-EX

Digital QMT® Shade Motor for QMT5 Series, 4 Nm, infiNET EX® Communications

CSM-QMTDC-250-4-CN

Digital QMT® Shade Motor for QMT5 Series, 4 Nm, infiNET EX® Communications

Available Accessories

CRESNET-HP-NP-TL-SP1000

Cresnet® "High-Power" Control Cable, Non-Plenum, Teal, 1000 ft (304 m) spool

CRESNET-NP-TL-SP1000

Cresnet® Control Cable, Non-Plenum, Teal, 1000 ft (304 m) spool

CRESNET-NP-WH-SP500

Cresnet® Control Cable, Non-Plenum, White, 500 ft (152 m) spool

CRESNET-P-TL-SP1000

Cresnet® Control Cable, Plenum-Rated, Teal, 1000 ft (304 m) spool

CSA-PWS10S-HUB-ENET

10-Motor Power Supply with Ethernet to Cresnet® Bridge and Cresnet Hub

CSA-PWS40

Power Pack for CSM-QMTDC Series Motors, 24 VDC, 40 W

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 by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

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

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

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