CSM-QMTDC-275-4-CN

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

- *Designed for use with Crestron® QMT®5 Series Architectural or Décor shade hardware*
- *Handles roller shades 21 inches (534 mm) and larger[1]*
- *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*
- *24 VDC low-voltage powered using Class 2 wiring*
- *Limited Lifetime Warranty*

Featuring Digital Quiet Motor Technology™, the CSM-QMTDC-275-4-CN shade 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-275-4-CN uses the dependable Cresnet® wired network for communication with a Crestron 3-Series Control System® or Crestron Pyng® system. Operating power is also supplied via the Cresnet connection, eliminating the need for a local power supply or AC outlet.

For a wireless shade motor alternative with infiNET EX® technology, see model CSM-QMTDC-275-4-EX.

The CSM-QMTDC-275-4-CN can integrate seamlessly into a Crestron control system or Crestron Pyng system, allowing it to be operated alone or as part of a group using keypads, wireless remotes, touch screens, and mobile devices. Operation can also be automated in combination with lighting and other equipment using scene presets, scheduling, daylighting, and occupancy sensing. Simple setup controls are included on the CSM-QMTDC-275-4-CN to facilitate testing and adjustment of shade limits by the installer.

Power is supplied to the CSM-QMTDC-275-4-CN via a dedicated power supply (model CSA-PWS40[2]) or 10-motor power supply (model CSA-PWS10S-HUB-ENET[2]). Power and communications are distributed together over a single Cresnet wire, allowing all supporting equipment to be consolidated at a central location.

Digital Quiet Motor Technology™

Crestron Digital QMT® shade motors feature ultra quiet operation with the ability to position each shade precisely and monitor its movement remotely. A high-torque, long-life brushless motor design achieves smooth starts and stops with exceptional reliability backed by a limited lifetime warranty. Patented automatic torque calibration technology detects and reacts to obstructions in the shade path to prevent damage to the motor or shade material.

Cresnet®

The Cresnet network offers a simple wiring solution for shading systems composed of one or more Crestron Digital QMT motors. A single homerun Cresnet wire carries bidirectional control signals and 24 VDC power to each motor. Sophisticated management of every motor is enabled using Crestron 10-motor power supplies featuring built-in Cresnet distribution, diagnostics, and Ethernet connectivity (model CSA-PWS10S-HUB-ENET[2]).

NOTE: The CSM-QMTDC-275-4-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.

SPECIFICATIONS

Motor

Torque: 4 Nm
Speed: 10-30 rpm
Duty Cycle: 8 minutes on / 40 minutes off at 4 Nm
Shade Size: Supports shade widths from 21 to 180 inches (534 to 4572 mm) depending upon fabric
Protection Class: IEC 61140 Class III

Power Requirements

Cresnet Power Usage: 42.5 Watts (1.8 Amps at 24 Volts DC); Requires a CSA-PWS series power supply, sold separately

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Wired Communications

Cresnet: Cresnet slave mode

Connectors

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

Controls & 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 (non-condensing)

Dimensions

Height: 2.75 in (70 mm)
Width: 2.75 in (70 mm)
Length: 13.91 in (354 mm)

Weight

2.0 lb (908 g)

MODELS & ACCESSORIES

Available Models

CSM-QMTDC-275-4-CN: Digital QMT® Shade Motor for QMT5 Series, 4 Nm, Cresnet®

Available Accessories

CSA-PWS40: Power Pack for Crestron® Shade Interfaces & Roller Shade Motors
CSA-PWS10S-HUB-ENET: 10-Motor Power Supply with Ethernet to Cresnet® Bridge and Cresnet Hub
CRESNET: Cresnet® Control cable

Notes:

1. The maximum shade width supported is dependent on the shade fabric selected.
2. Item(s) sold separately.

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This product is covered under the Crestron Shading Solutions Limited Warranty for the lifetime of the product. 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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