CSM-QMTDC-163-1-CN

Digital QMT® Shade Motor for QMT3 Series, Cresnet®

NOTE: The CSM-QMTDC-163-1-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-163-1-CN motor provides quiet yet robust operation for Crestron® roller shades 17.5 in (445 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-163-1-CN uses the dependable Cresnet® wired network for communications. An infiNET EX® wireless version of the motor is also available (model **CSM-QMTDC-163-1-EX**).

The CSM-QMTDC-163-1-CN 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-QMTDC-163-1-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 shade motor 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.

> *For Crestron® QMT®3 Series Architectural or QMT3 Series Décor System shades 17.5 in (445 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*

in the shade path to avoid motor damage

> *Limited Lifetime Warranty*

SPECIFICATIONS

Motor Specifications
Torque: 3/4 Nm
Motor Speed: 10-30 rpm
Duty Cycle: 8 min on/40 min off @ 3/4 Nm
Shade Widths Supported: 17.5 in to 96 in (445 mm to 2439 mm), depending on fabric

Power Requirements
Cresnet® Power Usage: 42.5 Watts (1.8 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) Multicolor LED, indicates motor status
Buttons: (3) Pushbuttons (DN, SET, UP), allows for testing and setting up shade

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

CRESTRON®

Dimensions
Diameter: 1 5/8 in (42 mm) motor end; 1 3/8 in (35 mm) idler
Length: 13 1/4 in (337 mm)

Weight (without cables)
14.2 oz (402 g)

Available Models
CSM-QMTDC-163-1-CN: Digital QMT® Shade Motor for QMT3 Series, 3/4 Nm, Cresnet®

Available Accessories
CSA-PWS40 [6505878]: Power Pack for Crestron® Shade Interfaces & Roller Shade Motors
CSA-PWS10S-HUB [6506308]: 10-Shade Power Supply and Cresnet® Hub [Discontinued]
CSA-PWS10S-HUB-CAEN-1X1 [6506320]: 10-Shade Power Supply and Cresnet® Hub w/CAEN-1X1 Enclosure [Discontinued]

Notes:
1. The maximum shade width supported by motor is dependent on the shade fabric selected.
This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at **www.crestron.com/salesreps** or by calling 800-237-2041.

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

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