

CSM-QMTDC-163-1-EX

Digital QMT® Shade Motor for QMT3 Series, 3/4 Nm, infiNET EX®

NOTE: The CSM-QMTDC-163-1-EX 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-EX 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-QMT-163-1-EX uses robust infiNET EX® wireless technology for communications. A Cresnet® wired version of the motor is also available (model **CSM-QMTDC-163-1-CN**).

The CSM-QMTDC-163-1-EX 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-163-1-EX 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.

infiNET EX

The CSM-QMTDC-163-1-EX employs the ultra-reliable infiNET EX wireless technology, which provides steadfast two-way RF communications throughout a residential or commercial structure without the need for physical control wiring.



device functions as an expander, passing command signals through to every other infiNET EX device within range (approximately 150 feet or 46 meters indoors), ensuring that every command reaches its intended destination without disruption.[2]

The CSM-QMTDC-163-1-EX communicates with a Crestron control system via an infiNET EX Wireless Gateway (model **CEN-RFGW-EX**, **DIN-AP3MEX**, or **MC3**[3]). Up to 100 infiNET EX devices, including Cameo® Wireless Keypads and In-Wall Switches,[3] may coexist on a single wireless network, and every device that is added to the network effectively increases the range and stability of the entire network by providing multiple redundant signal paths.[2] Built-in Dynamic Frequency Allocation continuously monitors RF conditions, automatically selecting the clearest channel to prevent interference from neighboring networks, cordless phones, and microwaves.

CSM-QMTDC-163-1-EX

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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);

Wireless

RF Transceiver: infiNET EX® 2-way RF, 2.4 GHz ISM Channels

11-26 (2400 to 2483.5 MHz), default channel 15;

Range (typical): 150 ft (46 m) indoor, 250 ft (76 m)

outdoor to nearest mesh network device(s);

Subject to site-specific conditions and individual device capabilities ^[2]

Gateway: Requires an infiNET EX gateway ^[3]

Connectors

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

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)

Dimensions

Diameter: 1 5/8 in (42 mm) motor end; 1 3/8 in (35 mm)

idler end

Length: 13 1/4 in (337 mm)

Weight (without cables)

14.2 oz (402 g)

ACCESSORIES

CSA-PWS40:

CLW-EXPEX-GD-W-T:

Notes:

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

2. Any infiNET EX device that provides expander functionality will effectively extend the range of the wireless network beyond the initial range of the gateway. Battery-powered infiNET EX devices do not provide expander functionality. A dedicated infiNET EX Wireless Expander, model **CLW-EXPEX** or **GLA-EXPEX**, is also available.

3. Item(s) sold separately.

4. Wireless does not communicate with Cresnet control network; Cresnet connection is for power only.

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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