

CSM-QMTDC-DRP-3-EX

Digital QMT® Drapery Motor for CSS-DRAPERY, infiNET EX®

- > For Crestron® Drapery Systems with tracks up to 240 inches (6096 mm)^[1]
- > Long-life brushless motor featuring Digital Quiet Motor Technology™ for nearly imperceptible operation
- > Built-in infiNET EX® wireless communications
- > Fully integrated design, with no external modules required
- > 24 Volt low-voltage power
- > Real-time activity monitoring and status feedback
- > Touch Motion feature allows users to activate motor by simply pulling on drapery fabric
- > Local pushbutton interface for testing
- > Local diagnostic LEDs to indicate drapery system status
- > Smooth starts and stops with adjustable limits
- > Protective features that detect and react to obstructions in the drapery path to avoid motor or fabric damage
- > Limited Lifetime Warranty

NOTE: The CSM-QMTDC-DRP-3-EX is only available as part of a Crestron® drapery system and cannot be ordered on its own. To configure drapery systems or order drapery system 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-DRP-3-EX motor provides quiet yet robust operation for Crestron® Drapery Systems with tracks up to 240 inches (6096 mm).^[1] Fully integrated electronics eliminate the need for bulky add-on interface modules, allowing for an easy, streamlined installation. The CSM-QMTDC-DRP-3-EX uses robust infiNET EX® wireless technology for communications. A Cresnet® wired version of the motor is also available (model [CSM-QMTDC-DRP-3-CN](#)).

The CSM-QMTDC-DRP-3-EX 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 on the motor lets users test the drapery system after installation and set drapery limits. Power is supplied to the CSM-QMTDC-DRP-3-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 up to ten drapery motors from one unit.

Quiet Motor Technology

The drapery motor utilizes the quiet, precision-controlled Quiet Motor Technology to control the movement of the draperies, keep track of the drapery's position, and adjust the drapery to the user's desired preset positions.

Touch Motion Feature

By gently pulling on the edge of the drapery fabric, users can activate the CSM-QMTDC-DRP-3-EX to move the draperies along the track to an open or closed position. In the event of a power outage, a manual override feature allows users to manually move the draperies.



infiNET EX

The CSM-QMTDC-DRP-3-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. Employing a 2.4 GHz mesh network topology, each infiNET EX 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-DRP-3-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.

SPECIFICATIONS

Motor Specifications

Torque: 1.62 Nm
Motor Speed: 10-50 rpm
Duty Cycle: 15 min on/15 min off at 1.62 Nm
Maximum Track Length Supported: 240 in (6096 mm)^[1]

Power Requirements

Cresnet® Power Usage: 42.5 Watts (1.77 Amps at 24 Volts DC); Requires a CSA-PWS Series power supply, see Available Accessories for model numbers

Wireless

RF Transceiver: infiNET EX® 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), default channel 15; IEEE 802.15.4 compliant
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) 2-conductor pigtail with inline detachable terminal block^[4]

Controls & Indicators

LED: (1) Multicolor LED, indicates motor status

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

Environmental

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

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

Dimensions

Height: 9.10 in (231 mm)

Width: 2.60 in (66 mm)

Depth: 3.00 in (76 mm)

Weight (Without Cables)

1.6 lbs (0.73 kg)

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

CEN-RFGW-EX_EXCLUDES_PWE: infiNET EX® & ER Wireless Gateway

CLW-EXPEX: infiNET EX® Wireless Expander

MC3: 3-Series Control System® w/ infiNET EX® & ER Wireless Gateway

DIN-AP3MEX: DIN Rail 3-Series® Automation Processor w/ infiNET EX® & ER Wireless Gateway

GLA-EXPEX: Crestron Green Light® Wireless Expander for infiNET EX® Networks

Notes:

1. Actual maximum track length supported is dependent on drapery fabric chosen. All drapery fabric is customer supplied.
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.

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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MODELS & ACCESSORIES

Available Models

CSM-QMTDC-DRP-3-CN: Digital QMT® Drapery Motor for CSS-DRAPERY, Cresnet®

CSM-QMTDC-DRP-3-EX: Digital QMT® Drapery Motor for CSS-DRAPERY, infiNET EX®