

Creston **CSC-DCEX**
infiNET EX[®] Interface to Creston[®] CSM-QMT30 Shades
 Installation Guide



Further Inquiries
 To locate specific information or resolve questions after reviewing this guide, contact Creston's True Blue Support at 1-888-CRESTRON [1-888-273-7876] or refer to the listing of Creston worldwide offices on the Creston Web site (www.creston.com/offices) for assistance within a particular geographic region.

To post a question about Creston products, log onto the Online Help section of the Creston Web site (www.creston.com/onlinehelp). First-time users must establish a user account to fully benefit from all available features.

Future Updates
 As Creston improves functions, adds new features and extends the capabilities of the CSC-DCEX, additional information may be made available as manual updates. These updates are solely electronic and serve as intermediary supplements prior to the release of a complete technical documentation revision.

Check the Creston Web site periodically for manual update availability and its relevance. Updates are identified as an "Addendum" in the Download column.

WARNING: To avoid fire, shock, or death; turn off power at circuit breaker or fuse and test that power is off before wiring!

NOTES: Observe the following points.

- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- This product should be installed by a qualified electrician.

PREPARING AND CONNECTING WIRES
 Strip the ends of the wires approximately 1/4 in (6 mm). Use care to avoid nicking the conductors. Twist together the ends of the wires that share a connection. Apply solder only to the ends of the twisted wires. Avoid tinning too far up the wires or the end becomes brittle.

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 Specifications subject to change without notice.

Federal Communications Commission (FCC) Compliance Statement
 This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions:
 (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Industry Canada (IC) Compliance Statement
 This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
 (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Industrie Canada (IC) Déclaration de conformité
 Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émission par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

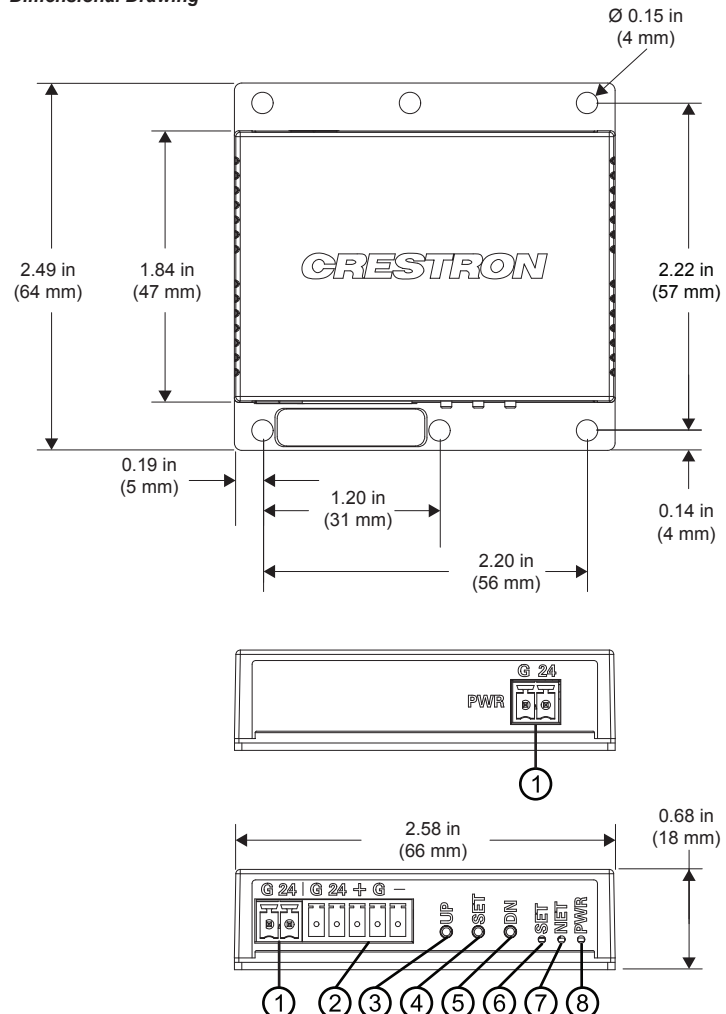
To satisfy RF exposure requirements, this device and its antenna must operate with a separation distance of at least 20 centimeters from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

INTRODUCTION

The Creston[®] CSC-DCEX is an interface designed to control one Creston CMS-QMT30 shade motor and provide two way communication between the motor and control system through infiNET EX[®] wireless communications technology. The CSC-DCEX features local buttons that allow for setting up limits and testing of the shades without use of the control system. In addition to controlling the shade motor, the CSC-DCEX provides 24 V power to a CSM-QMT30 motor. The CSC-DCEX can be surface mounted or mounted in a single gang electrical box using a CSC-BRKT-1G mounting bracket (sold separately).

Physical Description
 This section provides information on the connections, controls and indicators available on the CSC-DCEX.

Dimensional Drawing



#	CONNECTORS*, CONTROLS & INDICATORS	DESCRIPTION
1	G 24 / PWR G 24	(2) Power input from power supply
2	G 24 + G -	Power and control to roller shade
3	UP	Push button used to raise shade
4	SET	Push button used to enter setup mode and enter infiNET EX Acquire mode
5	DN	Push button used to lower shade
6	SET LED	Red LED indicates the infiNET EX acquire status and the device setup status.
7	NET LED	Amber LED used to indicate communication status of the infiNET EX network; LED is solid when the device is connected to the network, flashes when connected to a gateway but not to a control system and off when no connection to control system or gateway
8	PWR LED	Green LED indicates power and status; LED blinks while the shade is moving. LED is solid when shade is stopped and powered on

* Interface connectors for G 24 + G -, G 24 and PWR G 24 ports are provided with the device.

MOUNTING

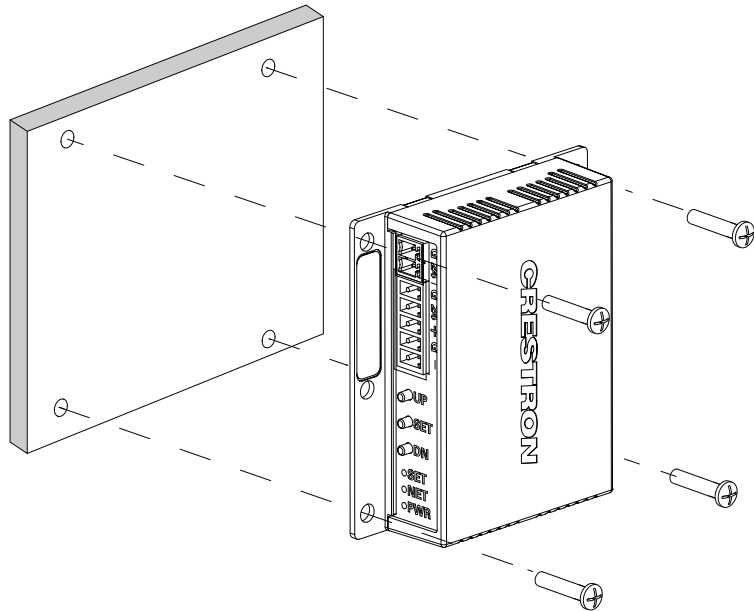
The CSC-DCEX can be mounted to a single gang box or to any flat surface. Refer to the appropriate procedure below for mounting instructions.

Mounting in Single Gang Box

The CSC-DCEX mounts to a single gang box by using the CSC-BRKT-1G (sold separately). For installation details refer to the CSC-BRKT-1G Installation Guide (Doc. 7353) which is available from the Crestron Web site (www.crestron.com/manuals).

Surface Mounting

The CSC-DCEX can be mounted to any flat surface using four screws (not supplied). Refer to the following illustration for a typical surface mount scenario.



WIRING

For information on wiring this device, refer to the latest version of the Crestron Roller Shades and Interfaces Wiring Guide (Doc. 7516).

PROGRAMMING AND SETUP

Before the roller shade can be operated the device must be programmed and set up.

For information on programming and setup of this device, refer to the latest version of the Crestron Roller Shades and Interfaces Programming and Setup Guide (Doc. 7361).

NOTE: Prior to setup and configuration, update the firmware in gateway or MC3 to the following minimum revision:

- CEN-RFGW-EX: 2.001.0046 or later
- MC3: 1.003.0008 or later

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

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