Crestron **Roller Shades and Interfaces**
Wiring Guide

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

To post a question about Crestron products, log onto Crestron's Online Help at www.crestron.com/onlinehelp. First-time users must establish a user account to fully benefit from all available features.

Future Updates
As Crestron improves functions, adds new features and extends the capabilities of the roller shades and interfaces, 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 Crestron website 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.

Crestron Electronics, Inc.
15 Volvo Drive Rockleigh, NJ 07647
Tel: 888.CRESTRON
Fax: 201.767.7576
www.crestron.com

Wiring Guide - DOC. 7516B
(2036230)
12.13
Specifications subject to change without notice.

INTRODUCTION

Refer to the following wiring diagrams when making connections to a Crestron® CSC-ACEX, CSC-DCEX, CSC-ACCN, CSC-DCCN, CSM-QMT50, or CSM-QMT50-DCEX.

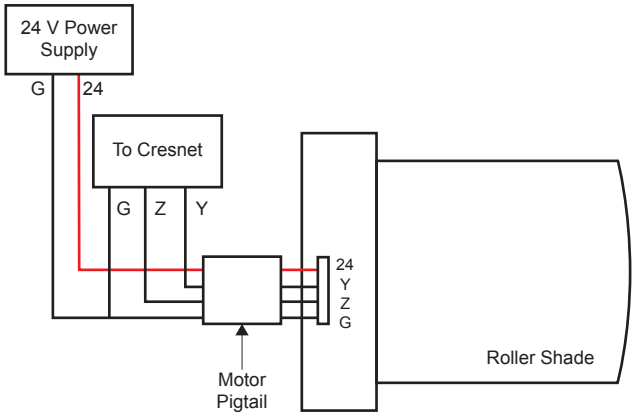
CAUTION: Do not power the device until paper wrapping is removed from the roller shade assembly.

WIRING CSM-QMT50

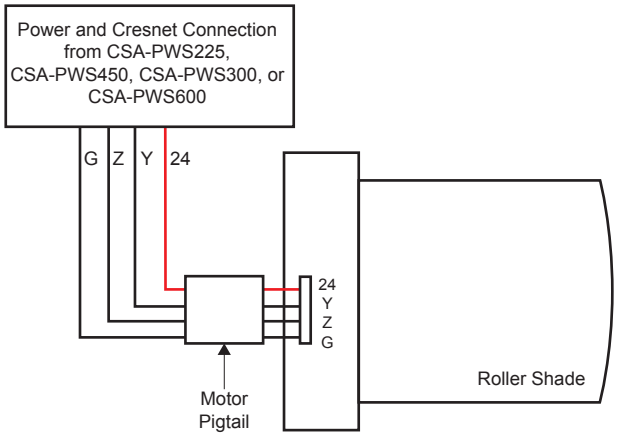
Connect the motor pigtail to a dc power source and to Cresnet®. The red wire is +24 V and the black wire is common.

If desired, use the supplied male and female quick disconnects to create an easy-to-use disconnection point in the motor's pigtail wiring.

Typical Wiring Diagram of Crestron CSM-QMT50 Using Separate Power Supply and Cresnget Connection



Typical Wiring Diagram of Crestron CSM-QMT50 Using CSA-PWS225 or CSA-PWS450

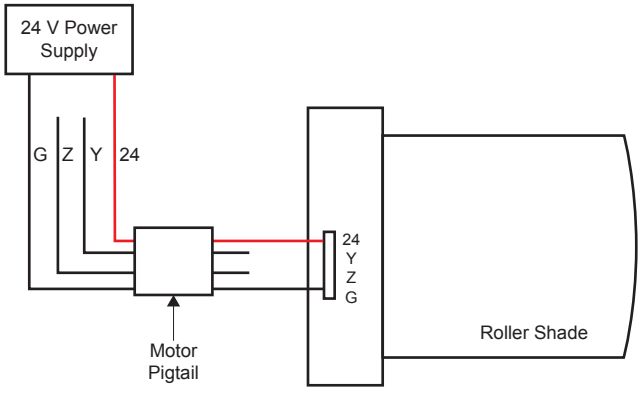


WIRING CSM-QMT50-DCEX

Connect the motor pigtail to a dc power source. The red wire is +24 V and the black wire is common. The data wires (**Y** and **Z**) are not connected.

If desired, use the supplied male and female quick disconnects to create an easy-to-use disconnection point in the motor's pigtail wiring.

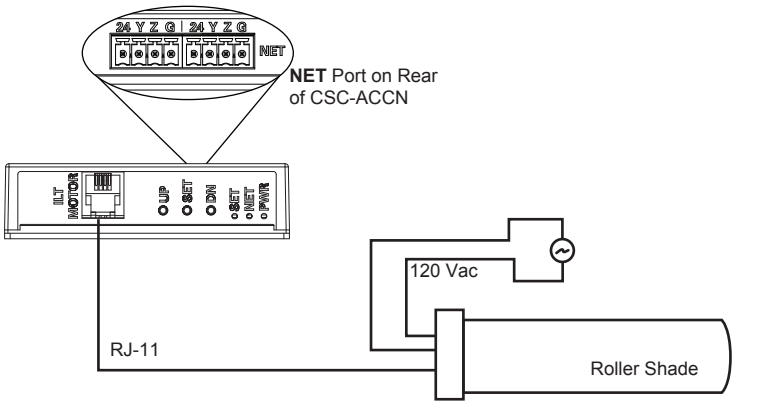
Typical Wiring Diagram for Crestron CSM-QMT50-DCEX Motor



WIRING CSC-ACCN

Refer to the following illustration for a typical wiring diagram where 120 Vac powers a roller shade. The roller shade is connected to the CSC-ACCN via RJ-11 cabling. The CSC-ACCN receives power from Cresnet.

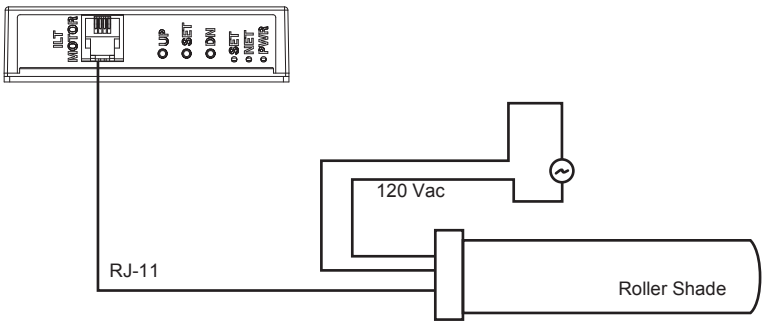
Typical Wiring Diagram for CSC-ACCN



WIRING CSC-ACEX

Refer to the following illustration for a typical wiring diagram where 120 Vac powers a roller shade. The roller shade is connected to the CSC-ACEX via RJ-11 cabling. The CSC-ACEX receives power through the RJ-11 cable.

Typical Wiring Diagram for CSC-ACEX

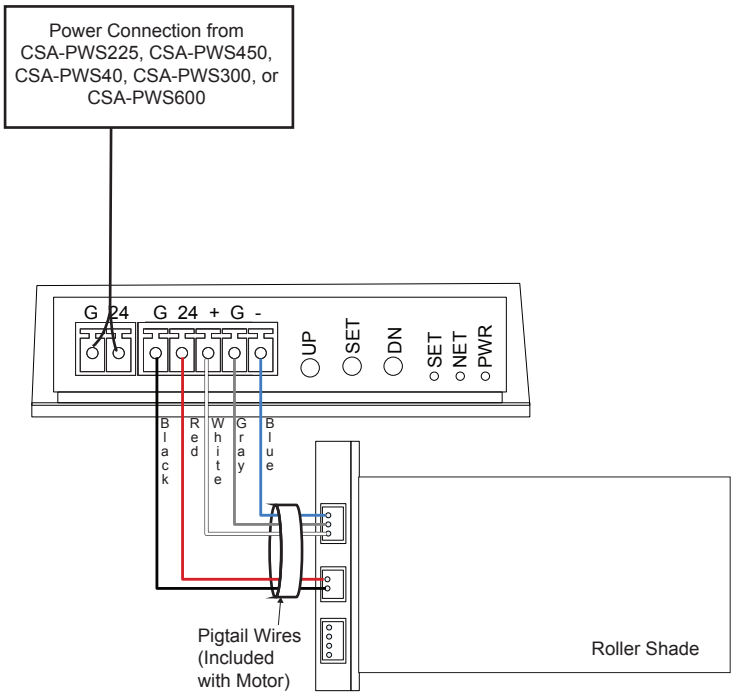


WIRING CSC-DCEX

Refer to the following illustration for a typical wiring diagram where a CSA-PWS225 or CSA-PWS450 (both sold separately) supplies power to the CSC-DCEX. The device can also be powered by a CSA-PWS40, CSA-PWS300, or CSA-PWS600. The CSC-DCEX provides power and control to the roller shade. Power can be applied to either the front or back **G 24** port.

CAUTION: If the cable needs to be shortened, special care should be taken to ensure that the cable is properly wired. Follow the color patterns shown in the wiring diagram below to ensure proper wiring. Improper wiring causes permanent damage to the connected device and voids the device's warranty.

Typical Wiring Diagram for CSC-DCEX



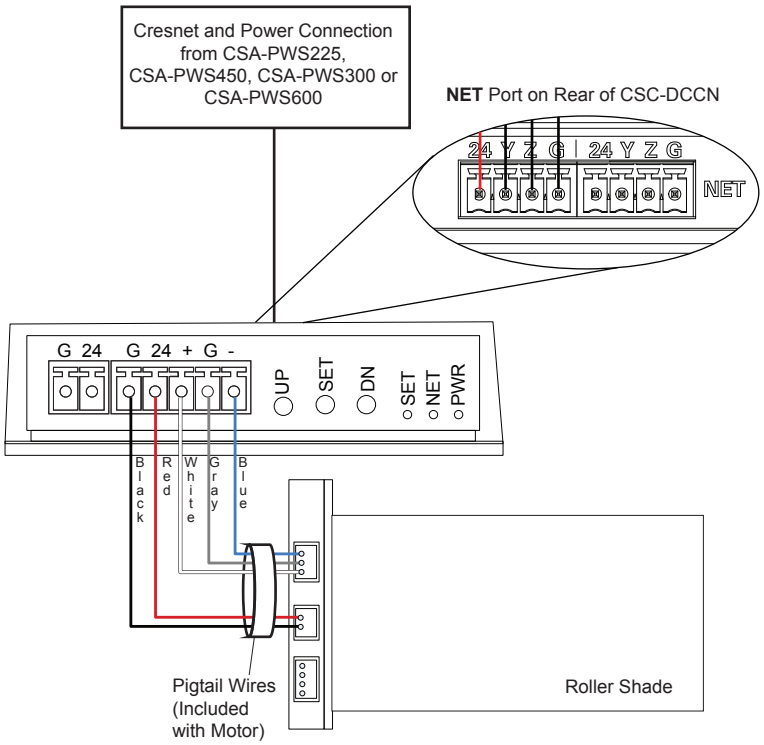
WIRING CSC-DCCN

Refer to the following illustrations for a typical wiring diagram where a CSA-PWS225, CSA-PWS450, CSA-PWS300, or CSA-PWS600 (all sold separately) supplies Cresnet and power to the CSC-DCCN. The device can also be powered by a CSA-PWS40 as long as the **24** and **G** terminal on the **NET** port are not connected. The CSC-DCCN can also be powered with a CSA-PWS40 power pack (sold separately). Power can be applied to either the **G 24** port or **NET** port. Data is connected to the **NET** port.

The CSC-DCCN provides power and control to the roller shade.

CAUTION: If the cable needs to be shortened, special care should be taken to ensure that the cable is properly wired. Follow the color patterns shown in the wiring diagram below to ensure proper wiring. Improper wiring causes permanent damage to the connected device and voids the device's warranty.

Typical Wiring Diagram for CSC-DCCN



Typical Wiring Diagram for CSC-DCCN