

SPECIFIER NOTE:

The purpose of this guide specification is to assist the specifier in correctly specifying draperies including tracks, operating hardware and its installation. The specifier needs to edit the guide specifications to fit the needs of specific projects. Contact Crestron to assist in appropriate product selections and for detailing assistance. Throughout the guide specification, there are Specifier Notes to assist in the editing of the file. Red text in brackets indicates a selection needs to be made.



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DRAPERIES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Motor operated draperies

1.2 SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, features, finishes, and operating instructions.
- B. Shop Drawings: Show installation details for drapery track and motor, diagrams for power, signal, and control wiring.
- C. Samples: For each exposed product and for each color to be utilized
- D. Operation and Maintenance Data: For Drapery equipment

1.3 QUALITY ASSURANCE

- A. Crestron Shading Systems require installation by a trained and certified specialist, either a trained Crestron Dealer or an authorized shading systems service provider.

1.4 FIELD CONDITIONS

- A. Do not install drapery track and motor until construction and finish work in spaces, including painting, is complete and dry and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Field Measurements: Where draperies are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Allow clearances for operating hardware. Notify Architect of installation conditions that vary from Drawings.

1.5 WARRANTY

- A. Manufacturer Warranty: Crestron Warrants Digital QMTDC Motors against defects in material or workmanship under normal use for the lifetime of the motor.
- B. Mounting Hardware Warranty: Crestron warrants drapery tracks against defects in material or workmanship under normal use for a period of 5 years.



SPECIFER NOTE:

Shade Fabrics are warranted by the fabric manufacturer and passed through by Crestron to the end user. Warranty periods vary by manufacturer. Confirm desired warranty period is offered by fabric manufacturer.

- C. Fabric Warranty: Shade fabric warranted against defects in material or workmanship for a for a period of [5] [10] years.

PART 2 - PRODUCTS

2.1 DRAPERY BASIS OF DESIGN

- A. CSS-Drapery by Crestron Electronics Inc. Rockleigh, NJ 800-237-2041 www.crestron.com

2.2 DRAPERY SYSTEM HARDWARE

- A. Motorized Operating System: Provide factory-assembled, shade-operator for conditions indicated, complete with electric motor and motor controls, power disconnect switch, enclosures protecting controls and operating parts, and accessories required. Coordinate operator wiring requirements and electrical characteristics with building electrical system.

- B. Motor

SPECIFER NOTE:

All of Crestron's motors are Brushless Direct Current (BLDC) motors

Depending on field conditions wireless motors may be more appropriate for retrofit conditions so that wires are not exposed. Select either a Wired Motor or a Wireless Motor and remove the other options. Where more than one type of motor is required coordinate locations and identify on Drawings.

Both Wired and Wireless Motors will operate draperies on tracks up to 240 inches.

1. [Wired BLDC Motors - 24 Volt - Low voltage power: CSM-QMTDC - DRP-3-CN: Digital QMT Drapery Motor for CSS-DRAPERY, 1.62 Nm, CRESNET]
2. [Wireless BLDC Motors - 24 Volt - Low voltage power: CSM-QMTDC – DRP-3-EX: Digital QMT Drapery Motor for CSS-DRAPERY 1.62 Nm, INFINET EX]
3. Motor Feature include:
 - a. Speed: Variable linear speed
 - b. Integrated thermal protection

SPECIFER NOTE:

Unique to Crestron – the Touch Motion Feature allows the user to gently pull on the edge of the drapery fabric and activate the CSM-QMTDC - DRP-3-CN CSM-QMTDC - DRP-3-CN CSM-QMTDC - DRP-3-CN CSM-QMTDC - DRP-3-CN CSM-QMTDC - DRP-3-CNC SM-QMTDC-DRP-3-CM motor 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. This feature is in addition to the selected control interface.

- c. [Touch Motion (Wired BLDC motors only)]

- C. Power Supply

1. [Multiple Motor Power Supply: CSA-PWS-10S-HUB-ENET: 10 Motor Power Supply with Ethernet to CRESNET Bridge and CRESNET Hub]

2. [Dedicated Power Supply: CSA-PWS40 Power Pack for Crestron Shade or Drapery Motors]

D. Control Cable:

SPECIFER NOTE:

Control cables are only required for the Wired Motors and should be deleted for wireless motors. Select the cable based on Plenum/Non-Plenum applications.

1. [CRESNET-NP Series Control Cable, Non-Plenum]
2. [CRESNET-HP-NP Series High Power Control Cable, Non-Plenum]
3. [CRESNET-P Series Control Cable, Plenum-Rated.]

E. Processor

1. Crestron Control System

F. Control Interface

SPECIFER NOTE:

Crestron Drapery Systems are controlled by the processor which is connected to the control interface. The following are just some of the options that can be used based on the specific needs of the project.

1. [Remote Control]
2. [Keyed Control Station]
3. [Individual Switch Control Station]
4. [Group Control Station]
5. [Sun Sensor]
6. [Timer]
7. [Touch Screen]

G. Track and Mounting System

1. Mounting Hardware
 - a. [Single] [Dual] Track

SPECIFER NOTE:

Select the desired mounting method. Where multiple methods are required for a project, coordinate with drawings to identify the desired mounting method.

- 1)
 - 1) [Wall Mounted with adjustable "L" brackets]
 - 2) [Ceiling Mounted [with cam lock mounting brackets] [with track directly screwed to ceiling]]
 - 3) [Pocket Mounted [with cam lock mounting brackets] [with track directly screwed to pocket] ["L" brackets.]
- b. Hardware Color: [White] [Brown]
2. Track
 - a. Configuration: [Straight] [Curve] [S Curve] [45 deg Bend] [90 deg Bend] [45 deg double bend] [90 deg double bend] [Custom]

SPECIFER NOTE:

Tandem Track is 2 tracks end to end. Dual Tracks are 2 tracks side by side

- b. [Single] [Tandem] [Dual] [Dual Tandem] Track
- c. Carriers: [Ripplefold] [Pinch Pleat]

SPECIFIER NOTE:

Drapery Fullness only applies to ripplefold option. The spacing and quantity of carriers is dependent on the fullness

- d. Fullness (ripplefold only) [80] [100] [120] percent
- e. Draw: [One Way [left] [right]] [Center] [Custom]
- f. Track Color: [White] [Brown]

2.3 FABRIC

SPECIFIER NOTE:

Crestron can work with most drapery materials and manufacturers but does not provide drapery fabrics themselves. Verify with design team to coordinate fabric selections and limitations. Include the following information based on the fabric selection. The Track will have a weight capacity which will vary dependent on the length of the track and should be coordinated prior to fabrication.

- A. *Manufacturer*
- B. *Color*
- C. *Weight*

2.4 DRAPERY FABRICATION

- A. Product Safety Standard: Fabricate shades to comply with WCMA A 100.1.
- B. Unit Sizes: Fabricate units in sizes to fill window and other openings.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, operational clearances, locations of connections to building electrical system, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 DRAPERY INSTALLATION

- A. Install drapery system level, plumb, and aligned with adjacent units according to manufacturer's written instructions.
- B. Electrical Connections: Connect motor to building electrical system.

3.3 ADJUSTING

- A. Adjust drapery to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.

3.4 CLEANING AND PROTECTION

- A. Protect drapery components after installation and prior to project Substantial Completion.

- B. Replace damaged draperies that cannot be repaired.

END OF SECTION

DISCLAIMER:

This Specification has been written as an aid to the professionally qualified Specifier and Design Professional. The use of this Guide requires the sole professional judgment and expertise of the qualified Specifier and Design Professional to adapt the information to the specific needs for the Building Owner and the Project, to coordinate with their Construction Document Process and to meet all applicable building codes, regulations and laws. CRESTRON EXPRESSLY DISCLAIMS ANY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE OF THIS PRODUCT FOR THE PROJECT. EXPRESSLY DISCLAIMS ANY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE OF THIS PRODUCT FOR THE PROJECT.