Motorized FlexShade® 485 AC
Intelligent Technology 3-Wire Motors have a built-in encoder and controller. 110-120V with a Data Cable.

Please check all appropriate selections and attach room schedule with verified dimensions.

Select Number of Shades per Unit

☐ Single Roller (Standard)
☐ Dual Roller (Supplemental Fabric & Hardware Sheet Required)

Please Note: If you are specifying a Dual Roller FlexShade, please complete the options BELOW and attach the Motorized Dual Roller Fabric and Hardware Planning Sheet.

Select Motor Location

As seen from INSIDE the room facing the window. Also indicate on room schedule.

☐ Right Side (standard)
☐ Left Side

Select 120V AC RS485 Intelligent Technology Motor

☐ 120V RS485 Quiet Soness Motor (standard)
☐ 120V RS485 ULTRA Quiet Soness Motor

Select Control Options

For specific control option, indicate Draper Part Number(s) in the space provided.

☐ 6 Button Digital Keypad
☐ 8 Button Digital Keypad
☐ Data Hub
☐ Bus Power Supply
☐ Optional Accessories (consult Draperinc.com):________________________

Coupled Shades

☐ Yes (How Many Fabric Panels?__________). Also indicate on room schedule.
☐ No

Select Fabric Orientation

☐ Regular Roll (from back of roller)
☐ Reverse Roll (from front of roller)

Select Fabric Attachment

☐ Standard
☐ Optional Spline Attachment

Select Slat Style

☐ Closed Pocket - 1" (25mm) Elliptical (standard)
☐ Open Pocket - 1" (25mm) Elliptical
☐ Small Flat Exposed Hem Bar
☐ Large Flat Exposed Hem Bar
☐ Round Exposed Hem Bar
☐ 1 5/16" (30mm) Tube
☐ ⅝" (16mm) Tube
☐ None

Single Roller Motorized Shade Options

Fabric Series:______________________________________________________

Color Name / Number:____________________________________________

Openness Factor:__________________________________________________

Please visit Draper Fabric Options for fabric colors and specifications.

Select Single Roller Hardware

☐ Brackets Only
☐ Wall
☐ Ceiling
☐ Endcaps Only
☐ Endcaps w/Fascia
☐ Surface Headbox (Fascia & Top/Back Cover)
☐ Headbox
☐ Pocket Style Headbox
☐ Type "D" Pocket w/Tile Lip (White; not available w/ 3" roller)
☐ Custom Headbox
☐ Wall Clip
☐ With Ceiling Tile Lip
☐ Without Ceiling Tile Lip
☐ Closure Panel for Wall Clip, Type "D" Pocket or Custom Headbox
☐ 1 ⅜" (38mm)
☐ 3" (76mm)
☐ 5" (127mm) (For Wall Clip and Custom Headbox Only)
☐ Light Gap Reduction Hardware
☐ 'L' Angle
☐ 'U' Channel
☐ 'H' Channel
☐ Channel Liners

Select Hardware Finish (does not apply to Type "D" Pocket)

☐ Clear Anodized (standard)
☐ Black
☐ White
☐ Ivory
☐ Bronze
☐ Custom (Contact Draper)

Available Sizes:

WIDTH: 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14'

HEIGHT: 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14'

* Sizes requiring large endcaps/brackets will vary according to fabric.

☐ Small endcaps/brackets and 2" (51mm) roller are recommended.
☐ Large endcaps/brackets and 3" (76mm) roller may be required.
Motorized FlexShade® 485 AC

Specifications

EQUIPMENT

HARDWARE
ROLLERS: Extruded aluminum or steel. Roller assembly easily removable.
MOUNTING BRACKETS: 1018 plated steel stamping. 2 SIZES: 1 ½” x (41mm) and 2 ¼” (57mm). Styles for mounting to wall, ceiling, or jamb. Brackets do not require additional adapters.
ROLLER IDLER ASSEMBLY: Type 6® injected molded nylon and a zinc-plated cold rolled steel pin. Sliding pin for easy installation and removal of the roller.
SLAT: Aluminum, min. 1 ½” x 1” (3 x 25mm), encased in heat seamed hem.
ENDCAPS: 1028 steel stamping. 2 SIZES: 3¼” x 3¾” (83x95mm) and 4½” x 4½” (114x114mm). Complete with adapter roller bracket. Installs to wall, ceiling, or jamb. Accepts fascia and headbox.
ENDCAP COVERS: Plastic covers snap onto endcaps. Available in silver, ivory, bronze, black or white to match fascia.

FASCIA: “L” cover of extruded aluminum, .060 (1.5mm) wall. Fascia snaps onto endcaps. Clear Anodized [standard], black, white, ivory, or bronze powder coat finish available. Continuous fascia available with coupled units.
SURFACE HEADBOX: Consists of fascia, L-shaped back/top cover. Endcaps slide into extrusion without exposed fasteners.
POCKET HEADBOX: Optional, for pocket installation, includes a U-shaped back/top/front cover with removable bottom closure panel. SMALL SIZE: 3” x 3½” (8x8mm). LARGE SIZE: 4” x 4½” (10x119mm). Some exposed fasteners required.
TYPE D POCKET: Type D Shade Pocket, to be extruded aluminum for perimeter installation. Accepts FlexShades installed with ceiling brackets. Finished in white paint. 5” x 5 ¾” x .125” (127x136x3mm) with ½” (22mm) tile support lip & removable bottom closure.
“L” CHANNEL: ½” x 1” x 12” 3 (1.9x2.5x373cm); 1” x 2¼” x 16” (2.5x7x488cm) or cut to length.
“H” CHANNEL: 1” x 5” x 16” (2.5x12.7x488cm) or cut to length.
COUPLER ASSEMBLY: Zinc plated steel Coupler Shafts shall be retractable into coupler assembly for ease of installation and to lock units in place. Zinc plated steel coupler brackets shall have spherical OD bearings allowing for misalignment of the mounting brackets of up to 1.25-degrees. One motor or crank operator to drive additional shade rollers. Patent pending.

Please note: Dimensions of rollers, operators and hardware at manufacturer’s discretion.

Hardware Selections

Please Note: Brackets and endcaps have the attachment points for mounting a Motorized FlexShade. Optional fascia and headbox have a thickness of 1 ¾” (1.5mm).

Wall Mounting Bracket

Ceiling Mounting Bracket

Fascia with Ceiling / Wall Mounting Endcaps

Headbox Installation Options

Surface Headbox
Consists of:
• Fascia,
• Back/Top Cover
• Ceiling/Wall Endcaps

Type D Pocket
Consists of:
• Extruded aluminum pocket.
• A lip supports lay-in ceiling.
• Pre-welded corners and ends available.
• Ends with or without tile support lip.

Typical pre-welded corner section (not to scale)

Pocket Style Headbox
Consists of:
• Extruded pocket
• Bottom closure panel
• Ceiling/Wall Endcaps

Closure & Wall Clip Options

Closure Options

Wall Clip Options

With Tile Lip

Without Tile Lip
Motorized FlexShade® Dimensions

Fascia Overall Width includes plastic endcap covers. Pair adds 1/16" (1.6mm) to Overall Width of Small Hardware; 5/32" (3.2mm) to Overall Width of Large Hardware.

**HEADBOX WITH ENDCAPs**

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<td><strong>A</strong></td>
<td>3 15/16&quot;</td>
<td>100mm</td>
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<tr>
<td><strong>B</strong></td>
<td>3 7/16&quot;</td>
<td>87mm</td>
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<td><strong>C</strong></td>
<td>1 1/2&quot;</td>
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<td><strong>D</strong></td>
<td>5/8&quot;</td>
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<tr>
<td><strong>E</strong></td>
<td>1/16&quot;</td>
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**ENDCAPs WITH FASCIA**

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**BRACKETS**

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<td><strong>B</strong></td>
<td>2&quot;</td>
<td>51mm</td>
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<tr>
<td><strong>C</strong></td>
<td>1 5/8&quot;</td>
<td>41mm</td>
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<tr>
<td><strong>D</strong></td>
<td>2&quot;</td>
<td>51mm</td>
</tr>
<tr>
<td><strong>E</strong></td>
<td>3/4&quot;</td>
<td>20mm</td>
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* For Fascia, Subtract 1/16" (1.6mm) from dimensions A and D

**Cloth width = Overall width - 1 7/8" (48mm)**

Motorized FlexShade® 485 AC
Motorized FlexShade® with RS485 Sonesse 120VAC Operator

FlexShade Components

Wiring Diagrams

Controls & System Overview
Sonesse RS485 120VAC Motors

Motorized FlexShade® 485 AC

Wiring Diagram

M12 Connector for 3-Wire Motors

1' (30cm) motor lead with M12 connector provided attached to each shade motor

Other motor cables available upon request:
5' (1.5m) Motor Cable with M12 Connector
3' (0.91m) Motor cable with 3-prong NEMA plug
6' (1.83m) Motor cable with 3-prong NEMA plug
10' (3m) Motor cable with 3-prong NEMA plug
24' (7.32m) Motor cable with 3-prong NEMA plug

Other Data cables available upon request:
2.5' (0.76m) RJ9 to RJ45 Cable
8' (2.4m) RJ9 to RJ45 Cable
12' (3.65m) RJ9 to RJ45 Cable
24' (7.3m) RJ9 to RJ45 Cable

120VAC 3-Wire Wiring Diagrams

1 - BLACK
2 = WHITE
4 - GREEN
3 - NOT USED

Data Cable with RJ45 Connector

Dashed Wiring by Electrician

12" (30.5 cm) Standard
60" (1.5 m) Standard

WBG Ø 0.61" (15.5 mm)

M12 Connector - Data Hub

To Motor

To 120VAC