

eS™ Drapery System



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HunterDouglas 
Window Coverings

EOS™ Drapery System

INNOVATIVE DRAPERY SYSTEM

Hunter Douglas offers the most extensive range of shades and other window coverings in the industry, from window shades to innovative EOS™ motorized drapery system solution. For decades, we have led the industry with innovative designs and extraordinary performance.

The EOS™ Motorized Drapery System provides quiet, reliable performance for applications from guest rooms and suites to lobbies, ballrooms, conference rooms and more.

Product Overview

Heavy duty. Quiet. High Performance. Reliable. These are essential qualities for motorized systems in a hospitality environment. And these are the qualities embodied in the state-of-the-art drapery track.

Product features:

- Quiet and smooth operation of the track.
- Flexible and hassle-free installation of motor on either sides of the track.
- Operates draperies up to 50kg.
- Works with a variety of control options (switches, remote controls, touchpads).
- Flexibility in installation (motor on top or bottom).
- Built in electromagnetic clutch for manual control when there is power failure.
- Auto-detect points for draperies to slow down smoothly.
- Users have option to activate the motor operation or manual operation.
- Intelligent motor control include safety stop.
- Applicable in straight or curved track.

EOS™ DRAPERY SYSTEM CONSISTS OF:

LITE-TRACK

Lite-Track is specially designed to provide quiet, reliable performance in draperies up to 50kg in weight.

DRAPERY TRACK SPECIFICATIONS

	LITE-TRACK
Voltage	AC 90/240V 50Hz/60Hz
Power	50W
Torque	1.2 Nm
Line speed	10cm/s
Rated speed	100rpm
Track length	Maximum 12m
Tack size (W x H)	33mm x 23mm
Motor size (L x W x H)	85mm x 50mm x 365mm
Load capacity	50kg
Min radius of curved track	300mm



MOTOR

HD60D

- Built-in receiver
- Ferroelectric integrated (Better mechanical strength)
- Dry contact Integration
- Load capacity of 50 kg



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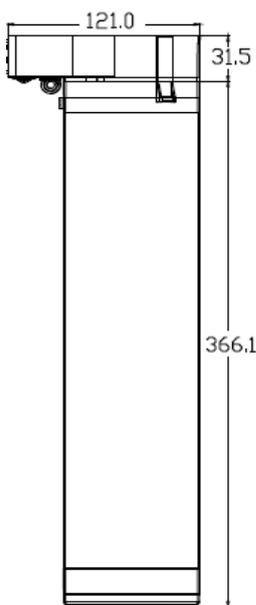
HD60D SPECIFICATIONS

Voltage	Standby Power	Load Power	Torque	Motor Speed	Speed On Rail
AC90 - 240V 50Hz - 60Hz	1.5W	50W	1.2N.m	100RPM	10CM/S

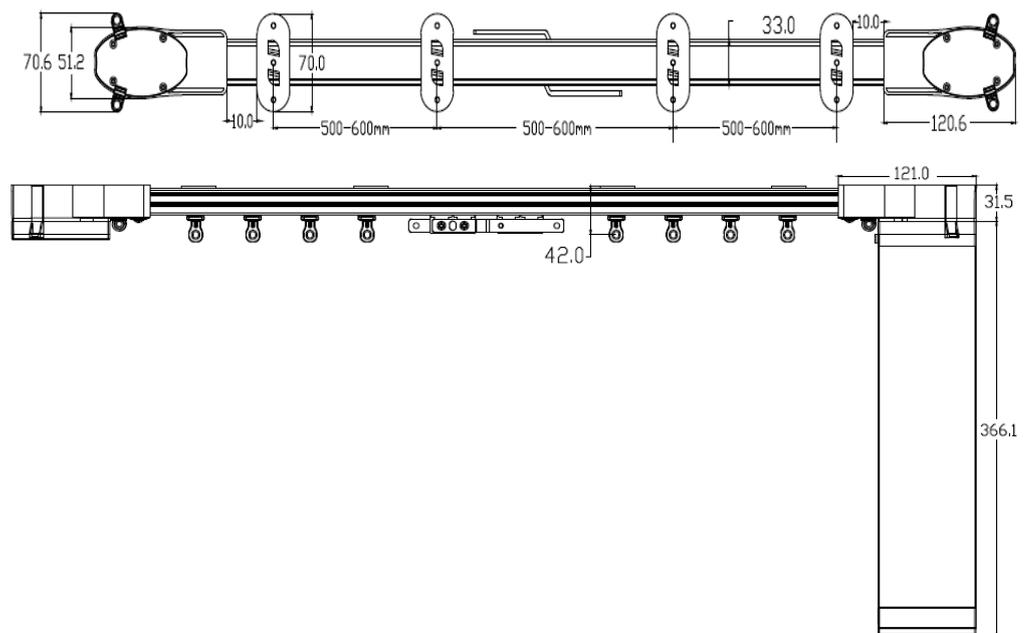
Rail weight	Standby Load	Min Arc Radius	Max Rail Length	System Noise	Crystal Head Type
8kg	50kg	30CM	12m	<34dB	RJ11

- System running with noise below 34dB.
- Draperies can be controlled manually in case of power loss.
- Pull to start function.
- Motor with 2 speeds; soft start then speed up.

Motor Size



Track Size



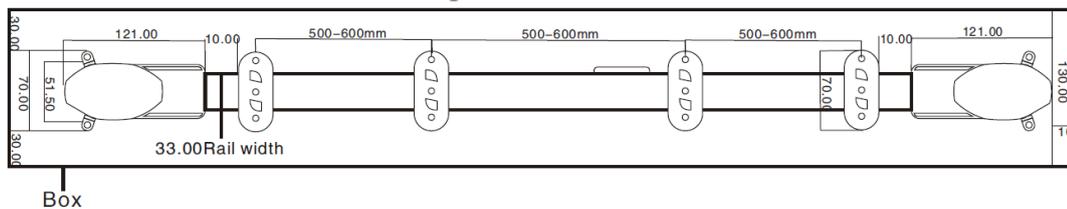
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HD60D TRACK TYPE AND SHAPE

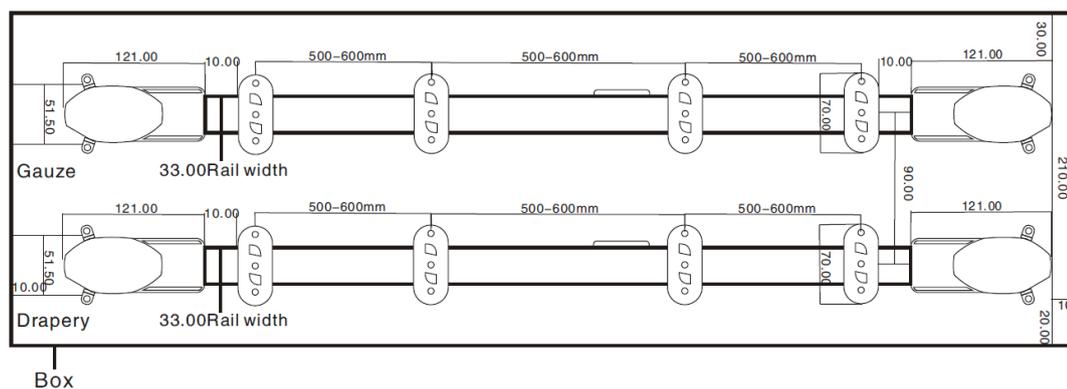
- Straight track
- U-Shaped Track
- L-Shaped Track
- C-Shaped Track
- S-Shaped Track

1. Straight Track

Single Track

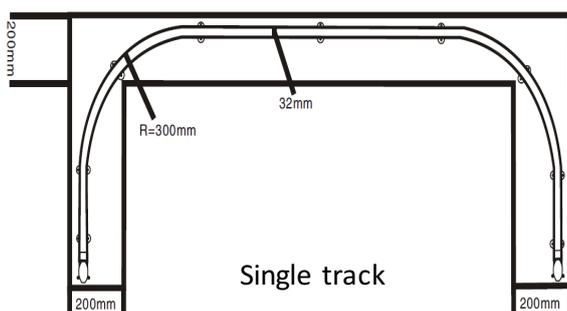


Double Track

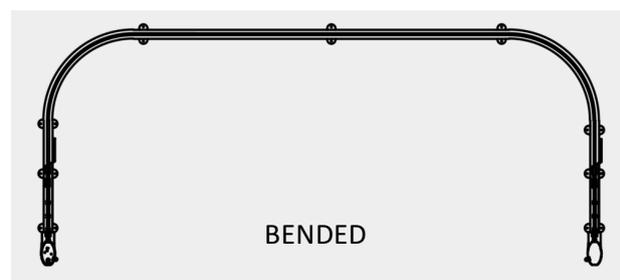


2. U-Shaped Track

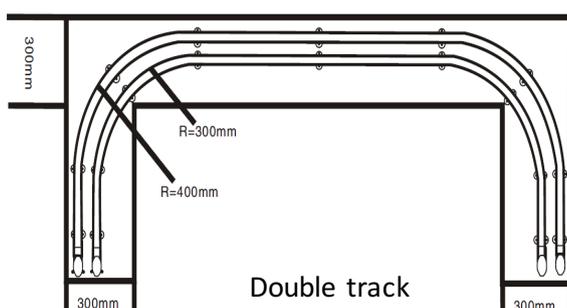
Single Track



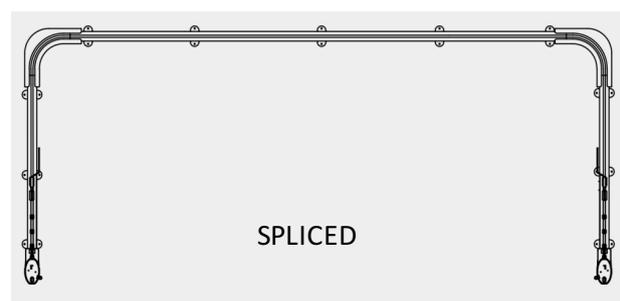
Bended



Double Track



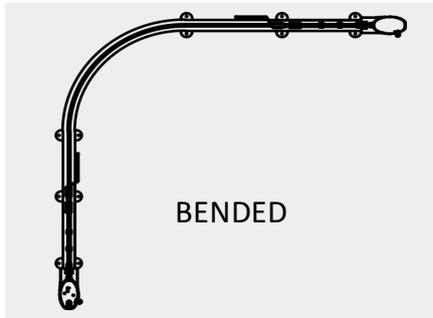
Spliced



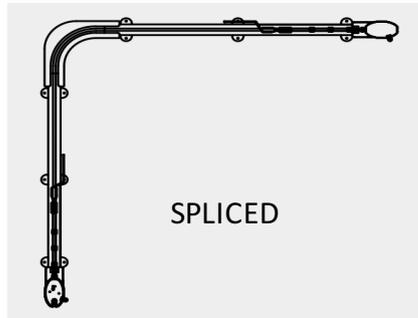
EOS™ Drapery System

3. L-Shape Track

Bended

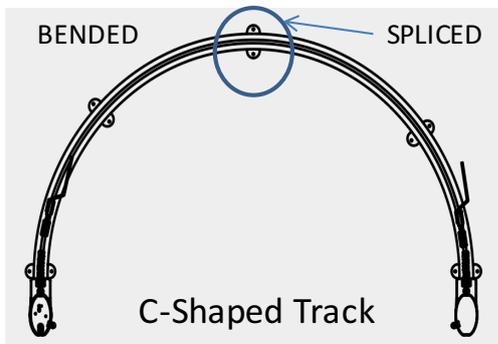


Spliced



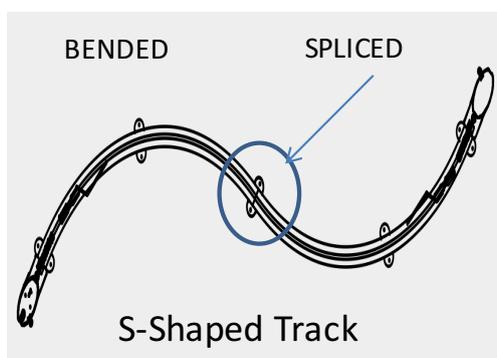
4. C-Shaped Track

Bended



5. S-Shaped Track

Bended



HD60D TRACK SPLICING

Straight Connector

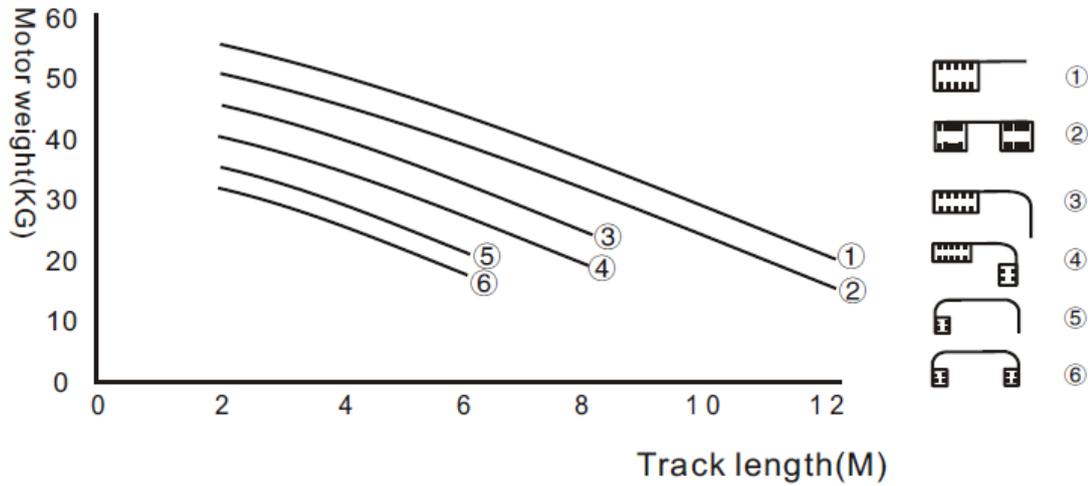


Corner Connector



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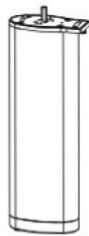
Load capacity for different track shapes



- 1-Straight track with side stacking
- 2-Straight track with center opening
- 3-Curved track with side stacking
- 4-Curved track with center opening
- 5-Orthogonal curved track with side stacking
- 6-Orthogonal curved track with center opening

EOS™ Drapery System

MOTOR ACCESSORIES:



Lite-Track Main motor



Lite-Track Nine Channel Remote Transmitter

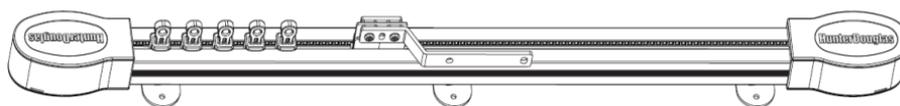


6P6C Plug



6P Line

TRACK ACCESSORIES:



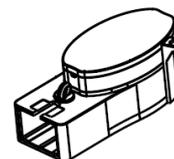
Aluminum track



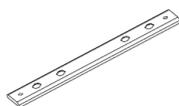
Belt



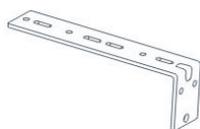
Ceiling bracket



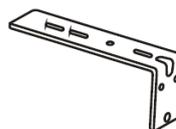
Idler unit



Track connector



Double-track



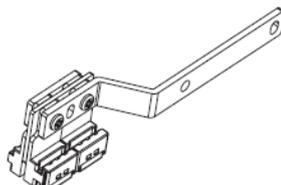
Single-track



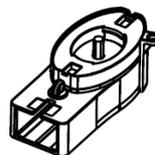
End hook



Loop stop



Straighttrack master carrier



Drive unit



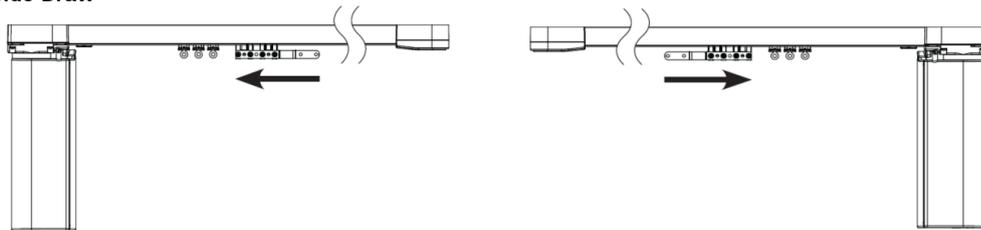
Smooth runner

EOS™ Drapery System

TYPE OF OPENING

1. Side Draw
2. Central Draw
3. Central Draw Tandem
4. Central Draw Dualdrive

Side Draw

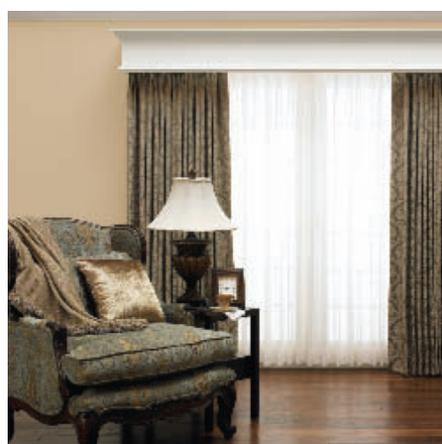
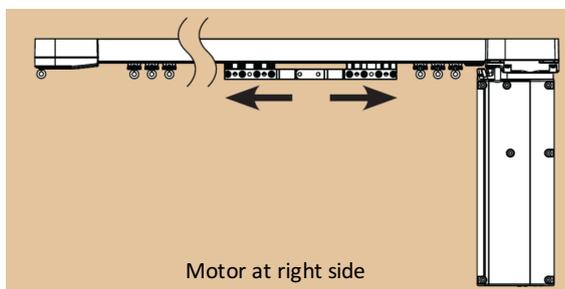


The motor is located at one side of the window and the carrier opens drapery from the other side.



Central Draw

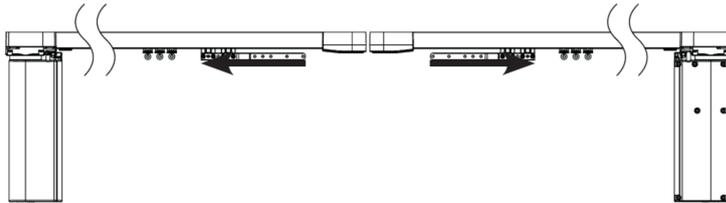
The motor can be installed on either side of the window. There are two master carriers that open the draperies from the center to the sides simultaneously.



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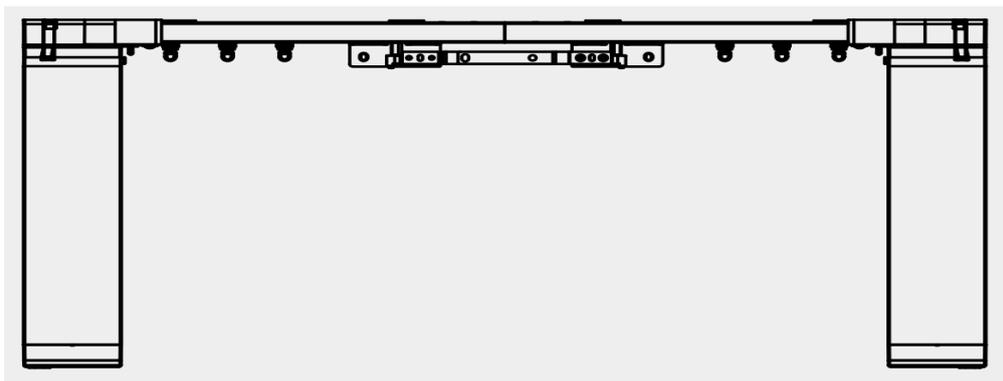
Central Draw Tandem

- Allows for longer tracks
- Operates heavier draperies
- Extra electrical components are necessary. It is to allow two independent systems to work in smooth operation.



Central Draw Dualdrive

For heavy duty applications. Supports up to 100kg

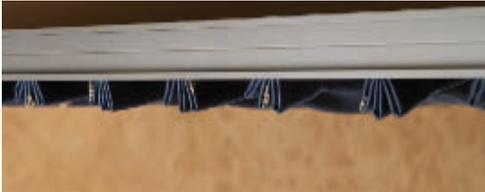


EOS™ Drapery System

DRAPERY FOLDING

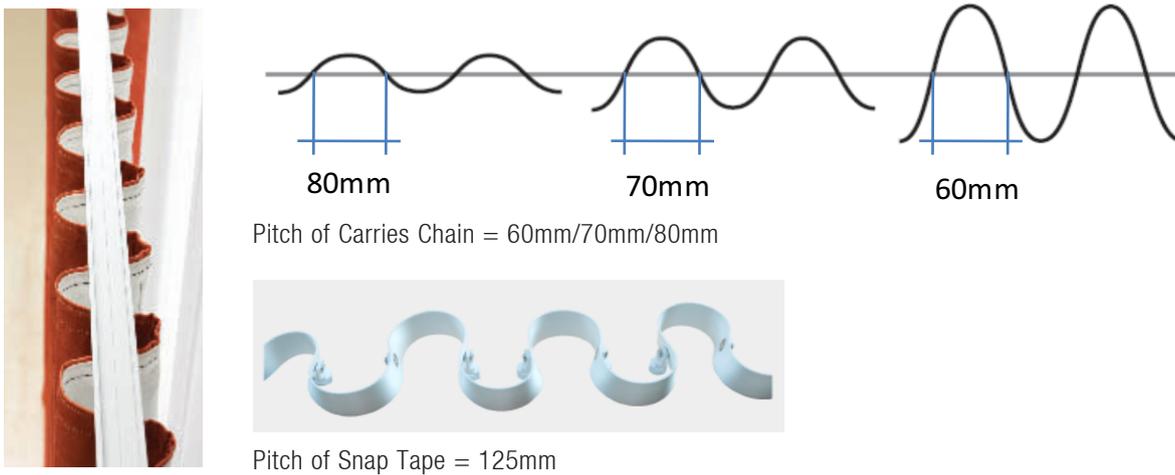
Pinch Pleat

Pins on the back of the drape are simply looped through the carries on the track when installed. For the best system performance, a drapery hook setting of 13mm from the top of the drape should be used.



Ripple Fold

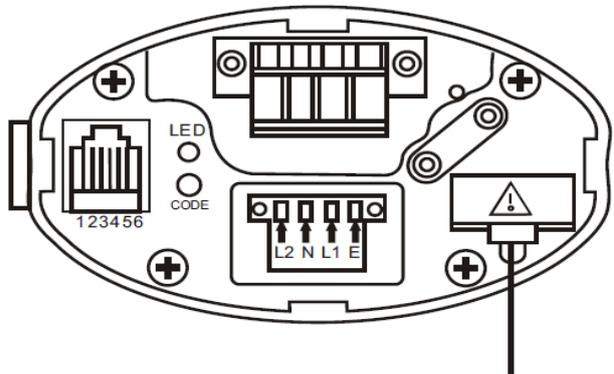
Drape is constructed with snap tape that allows the drape to be snapped directly to auxiliary carries on the track. Fullness of the drape is determined by the spacing of the carries in the track. The smaller the spacing, the fuller the draperies appear.



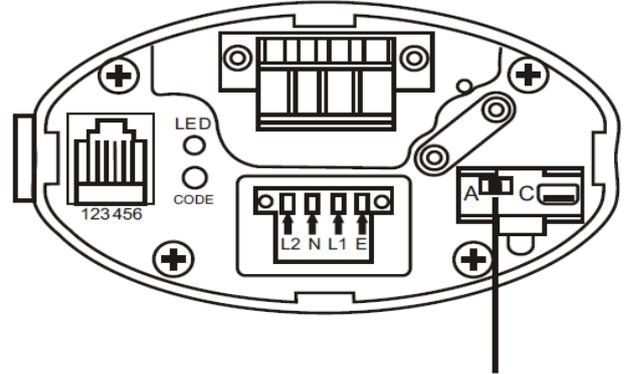
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CONTROL

TYPE OF CONTROL: LOW VOLTAGE AND HIGH VOLTAGE



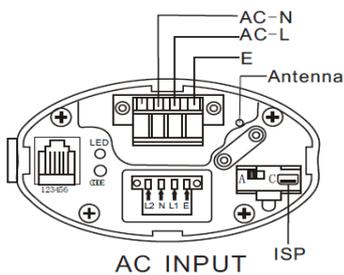
Open the cover



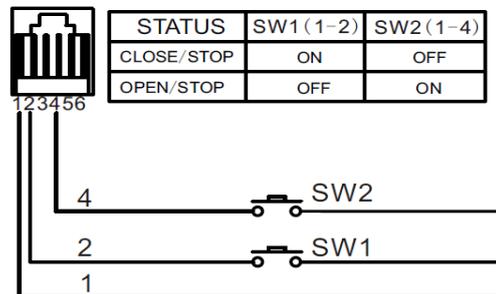
Switch to "A" for Low Voltage control.
Switch to "C" for High Voltage control.

Wiring Diagram for Low Voltage

Low voltage wiring diagram:

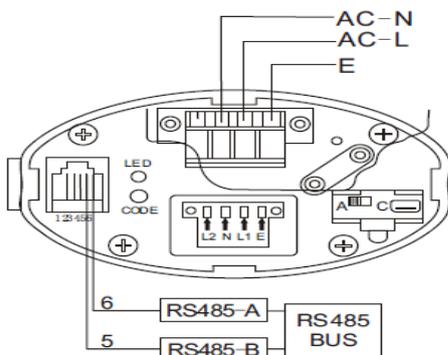


PIN	FUNCTION
1	GND
2	CLOSE
3	+5V (25mA)
4	OPEN
5	(RS485-B)
6	(RS485-A)



STATUS	SW1 (1-2)	SW2 (1-4)
CLOSE/STOP	ON	OFF
OPEN/STOP	OFF	ON

Control Diagram for Low Voltage

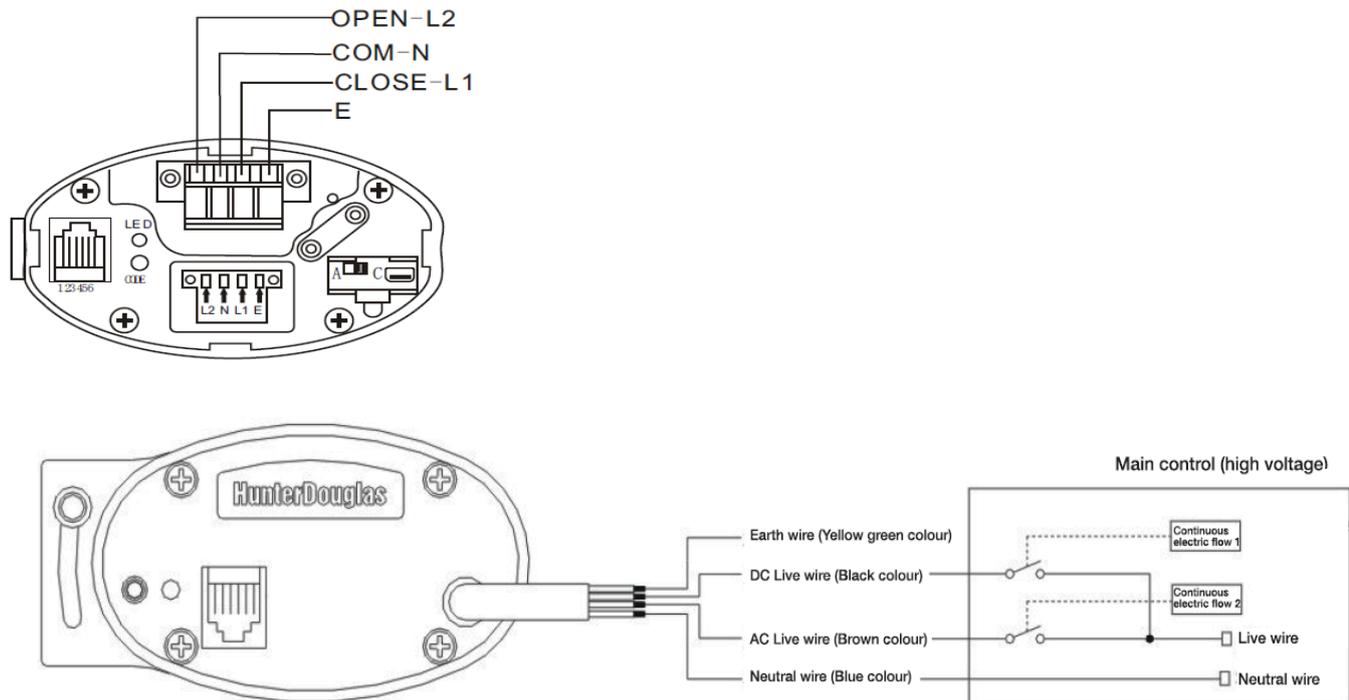


STATUS	SW1 (1-2)	SW2 (1-4)
CLOSE	ON	OFF
STOP	ON	ON
OPEN	OFF	ON

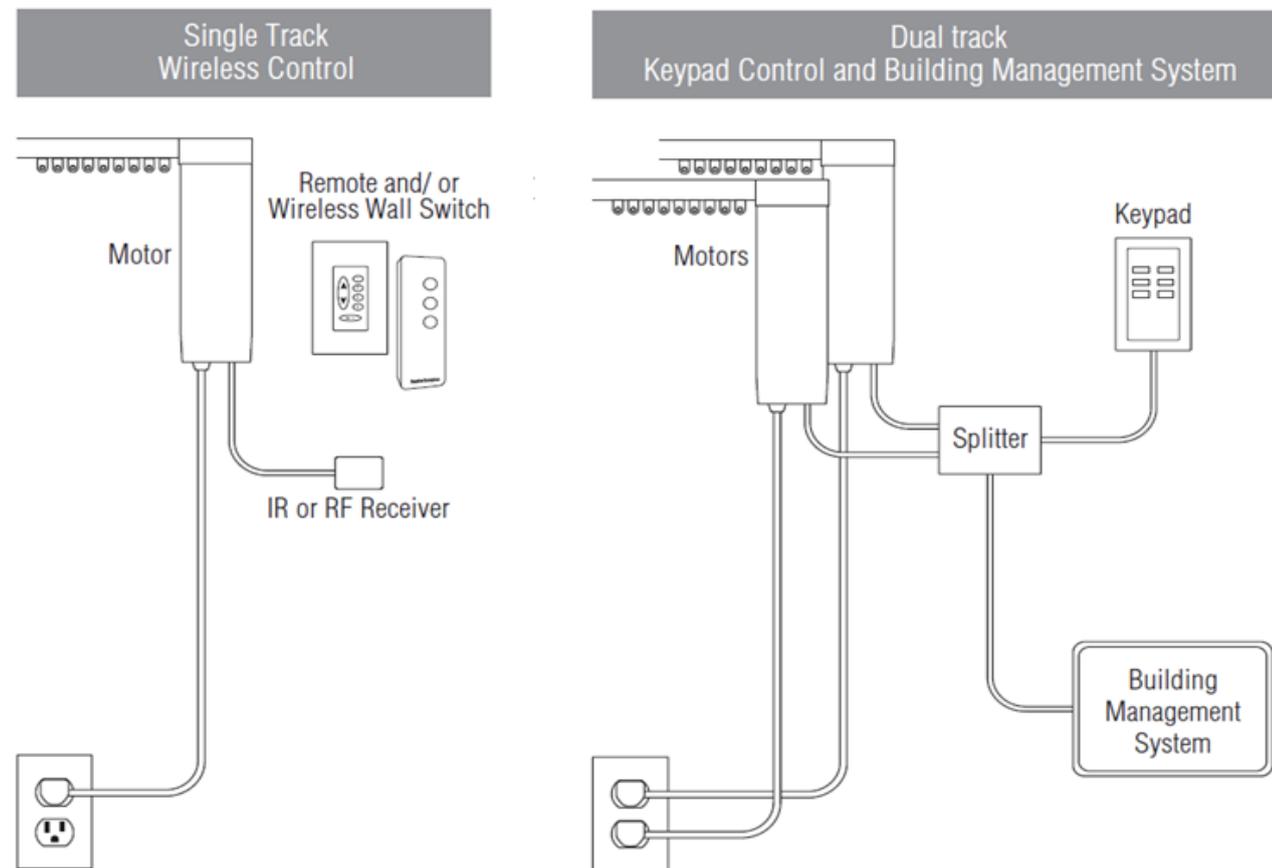
- In control logic, "ON" is for switch (dry contact), pulse signal and signal duration is 100-200 ms.
- The 3rd pin in the crystal connector is +5V and should not short circuited with other pins or ground.
- In default setting, pins 5, 6 are used for RS485 function. The pins 3, 4 can be wired.

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High Voltage



Wiring Example



EOS™ Drapery System

Control methods:

- Single or dual switch control
- Remote control
- Wall-mounted keypads
- Touch screen for control of multiple functions
- Complete building management system
- Manual operation

Lite-Track



Remote Control



3-Channel Keypad
Custom Overlays Available



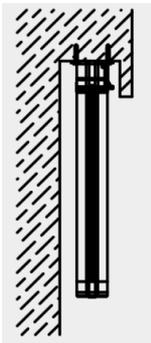
Building Management System
(BMS)



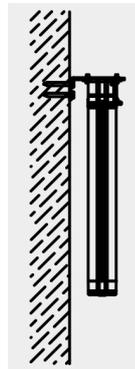
Touchscreen

TRACK MOUNTING:

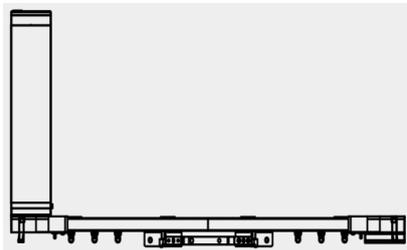
Top Mount



Side Mount

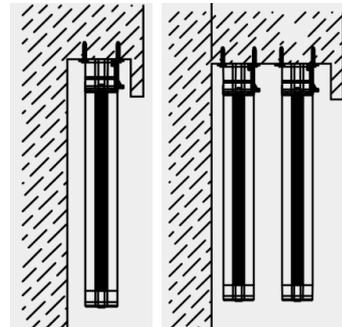


Inverse Mount



≈ 420 mm is required from track to the ceiling.

Parallel Mount





Window Coverings
Ceilings
Sun Control
Façades



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