

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. Quite. 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.

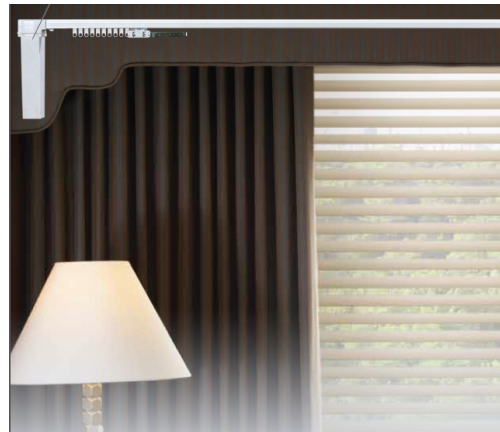
### EOS™ DRAPERY SYSTEM CONSISTS OF:

#### 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 220/240V 50Hz
Power	90W
Torque	1.0 Nm
Line speed	140mm per second
Rated speed	112rpm
Track length	Maximum 12m
Tack size (W x H)	32mm x 26mm
Motor size (L x W x H)	85mm x 50mm x 285mm
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



# EOS™ Drapery System

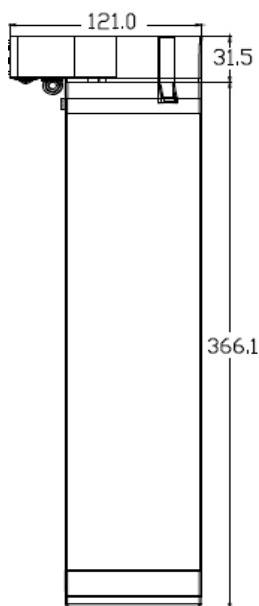
## HD60D SPECIFICATIONS

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

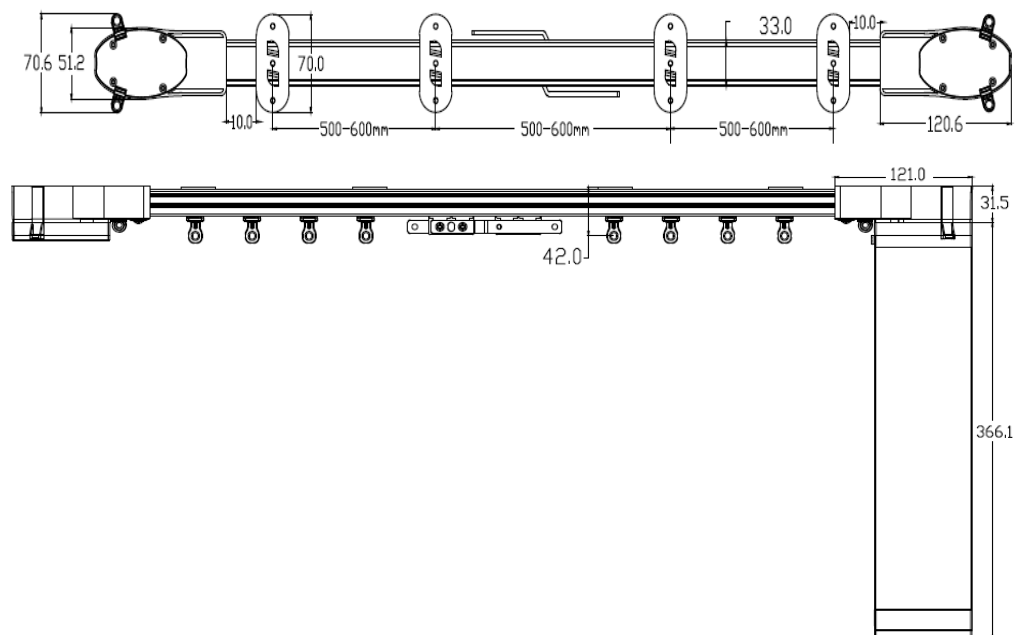
Rail weight	Standby Load	Min Arc Radius	Max Rail Length	System Noise	Crystal Head Type
8kg	50kg	30CM	12m	<34dB	RJ11

- 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



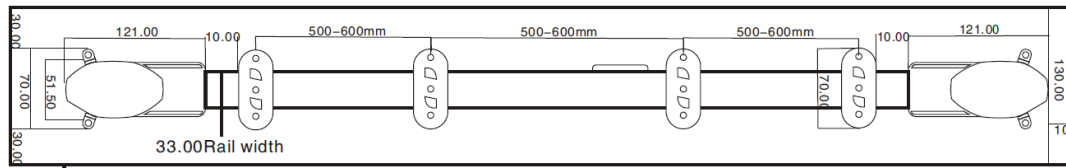
# EOS™ Drapery System

## HD60D TRACK TYPE AND SHAPE

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

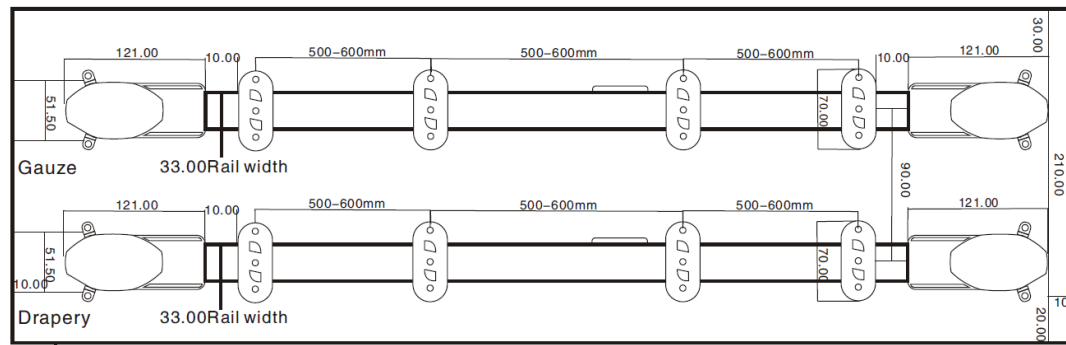
### 1. Straight Track

#### Single Track



Box

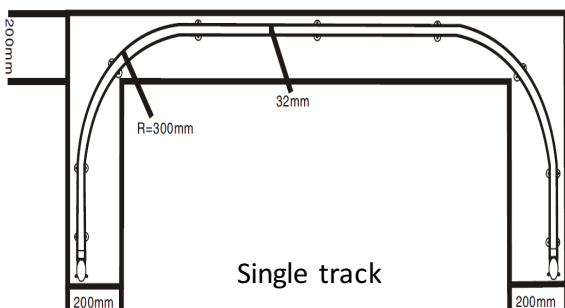
#### Double Track



Box

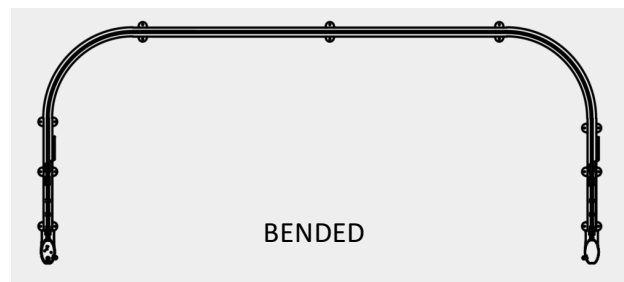
### 2. U-Shaped Track

#### Single Track



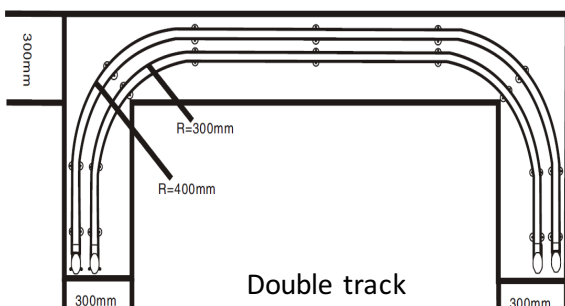
Single track

#### Bended



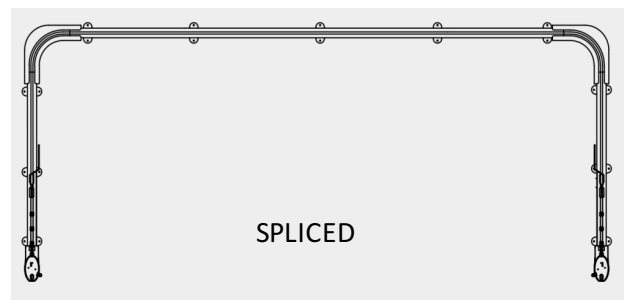
BENDED

#### Double Track



Double track

#### Spliced



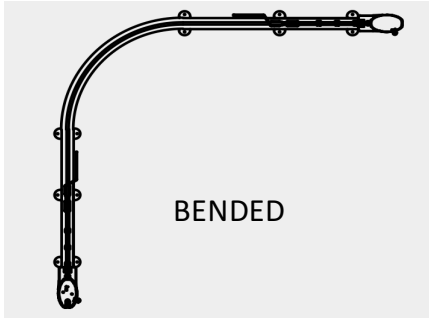
SPLICED



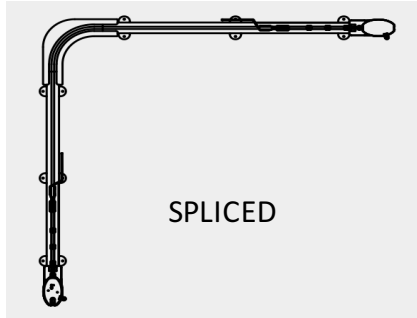
# EOS™ Drapery System

## 3. L-Shape Track

Bended

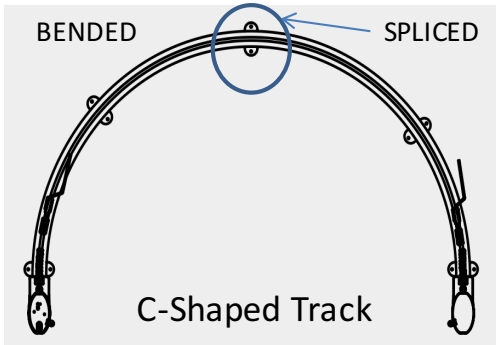


Spliced



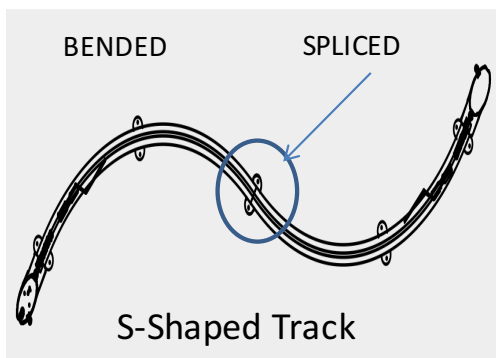
## 4. C-Shaped Track

Bended



## 5. S-Shaped Track

Bended



## HD60D TRACK SPLICING

Straight Connector

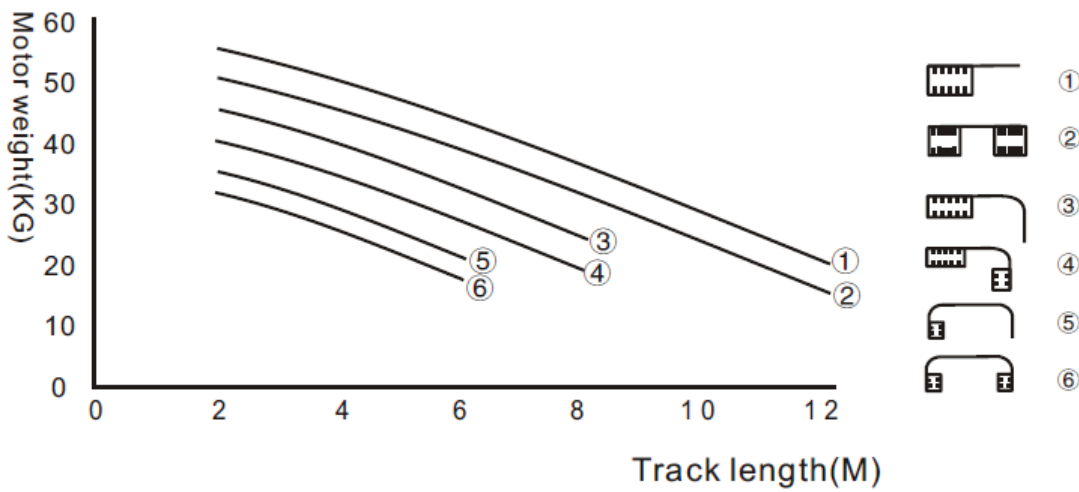


Corner Connector



# EOS™ Drapery System

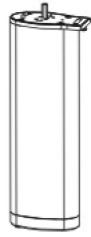
## Load capacity for different track shapes



- 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

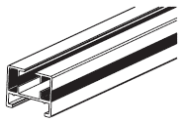
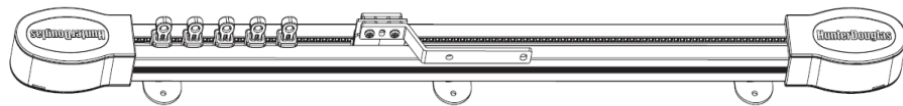


6P6C Plug



6P Line

## TRACK ACCESSORIES:



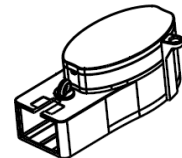
Aluminum track



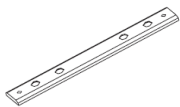
Belt



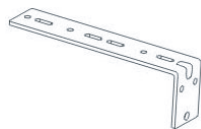
Ceiling bracket



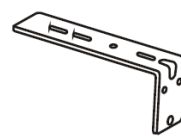
Idler unit



Track connector



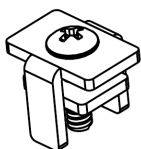
Double-track



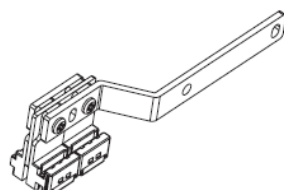
Single-track



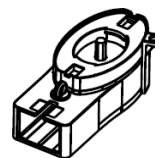
End hook



Loop stop



Straighttrack master carrier



Drive unit



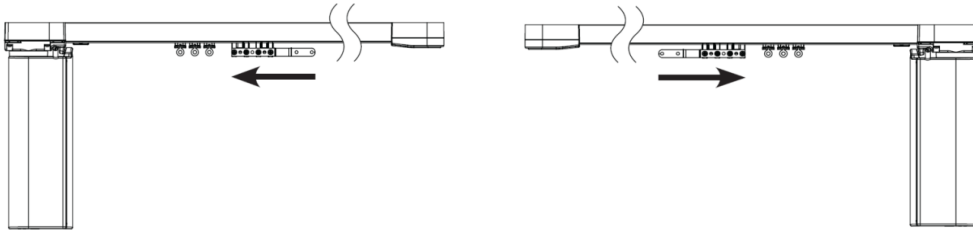
Smooth runner

# EOS™ Drapery System

## TYPE OF OPENING

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

### Side Draw

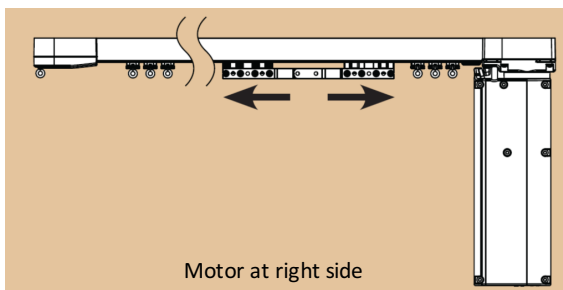


The motor is located at one side of the window and the carrier opens drapery from the other side.



### 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.

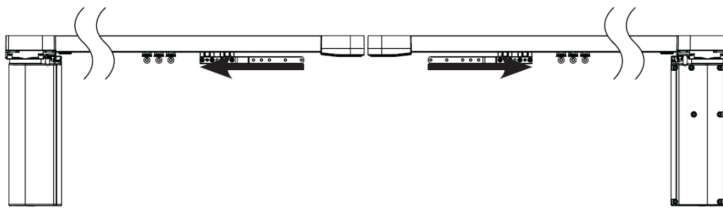




# EOS™ Drapery System

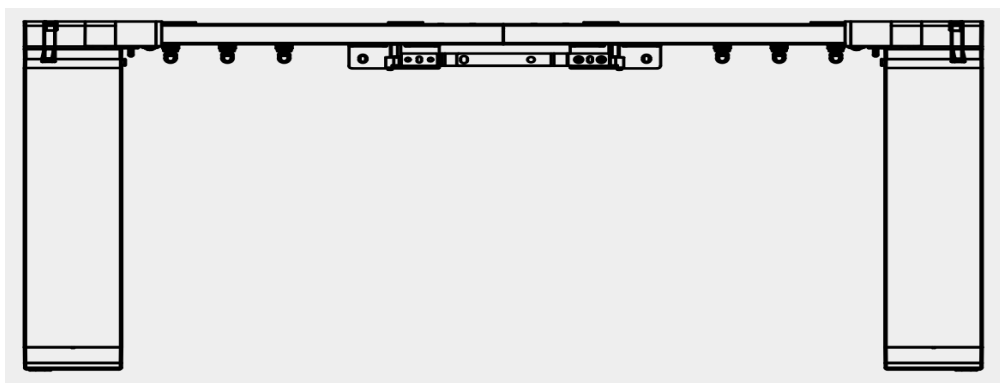
## Central Draw Tandem

- 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

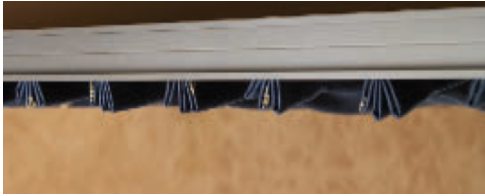


# EOS™ Drapery System

## DRAPERY FOLDING

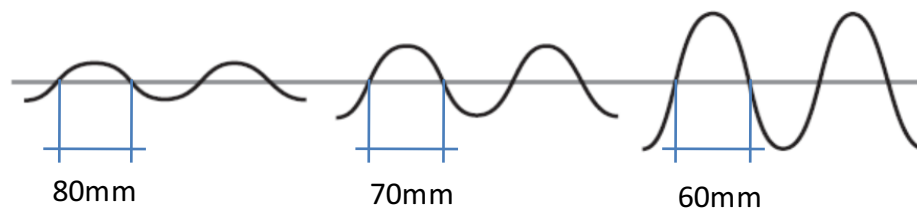
### Pinch Pleat

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.



Pitch of Carries Chain = 60mm/70mm/80mm



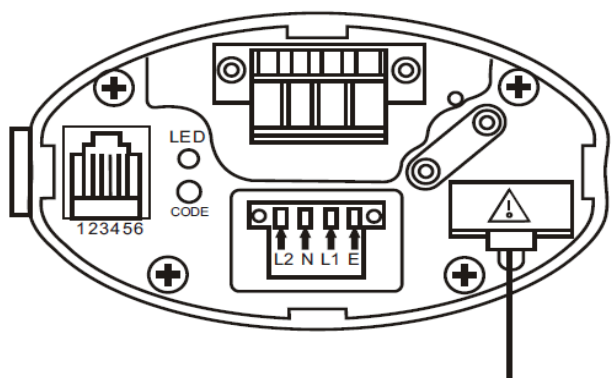
Pitch of Snap Tape = 125mm



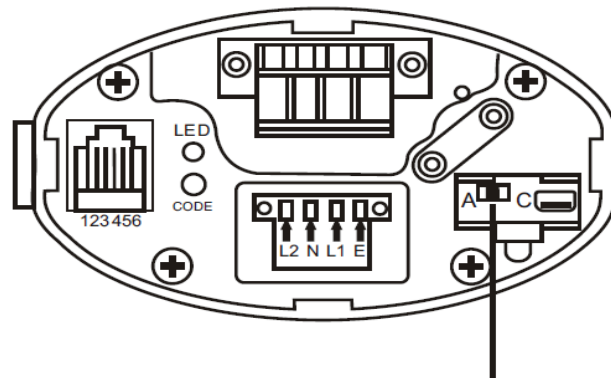
# EOS™ Drapery System

## CONTROL

### TYPE OF CONTROL: LOW VOLTAGE AND HIGH VOLTAGE

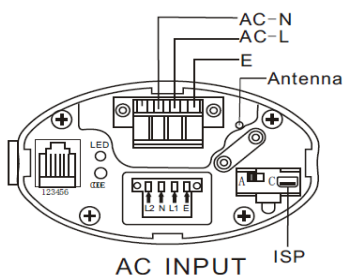


Open the cover



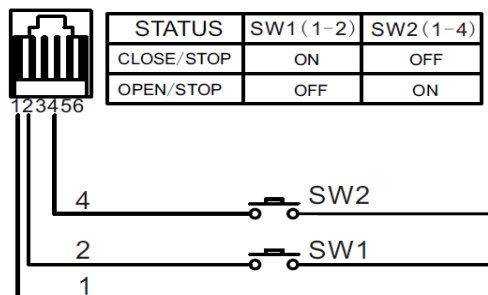
Switch to "A" for Low Voltage control.  
Switch to "C" for High Voltage control.

### Wiring Diagram for Low Voltage

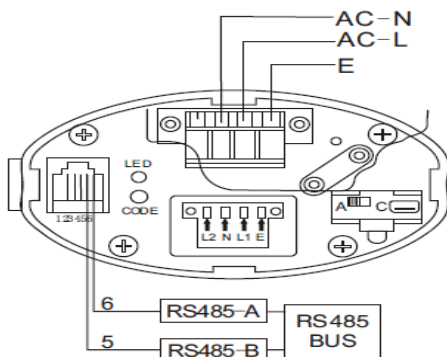


### Low voltage wiring diagram:

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



### Control Diagram for Low Voltage

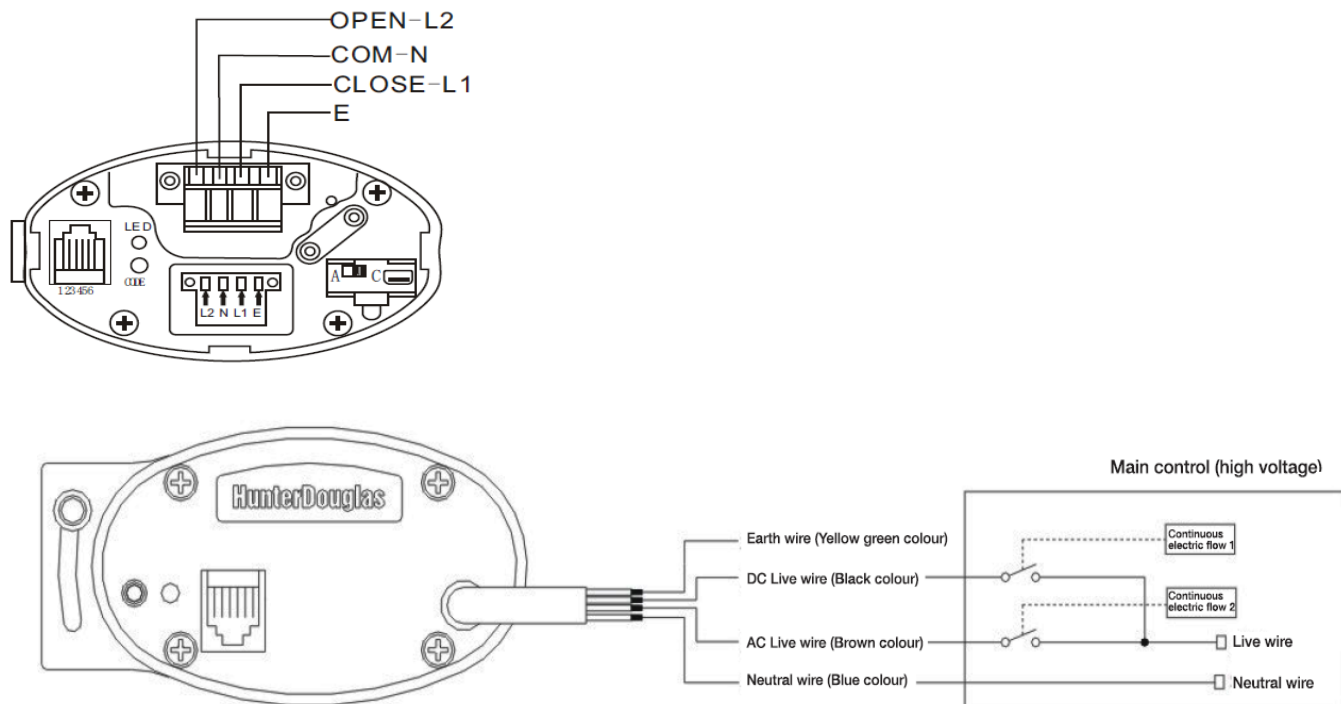


STATUS	SW1 (1-2)	SW2 (1-4)
CLOSE	ON	OFF
STOP	ON	ON
OPEN	OFF	ON

- 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.

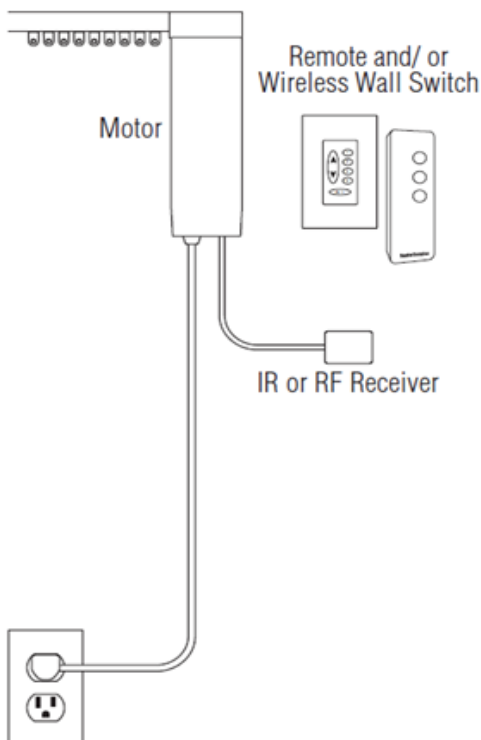
# EOS™ Drapery System

## High Voltage

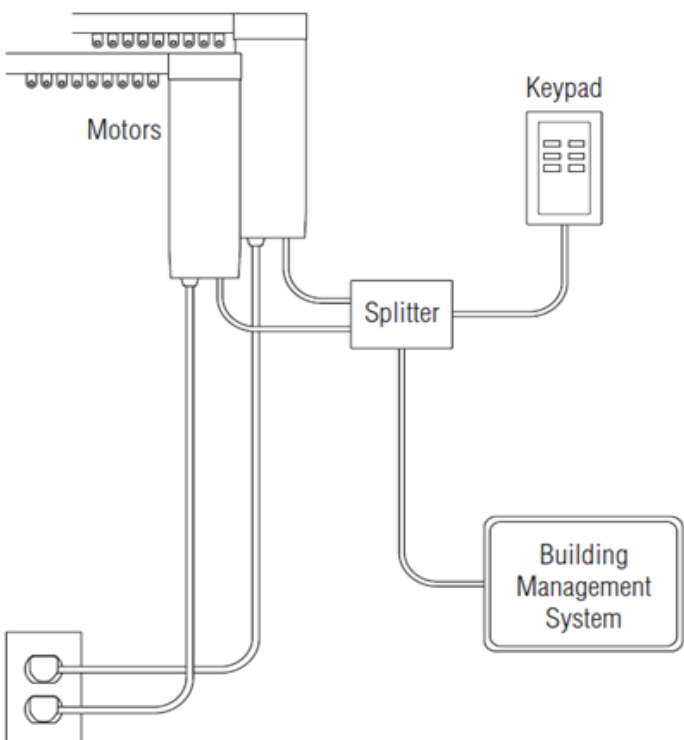


## Wiring Example

### Single Track Wireless Control



### Dual track Keypad Control and Building Management System



# 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*



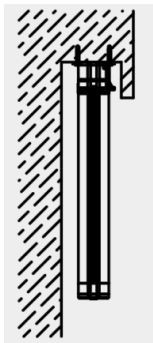
Building Management System  
(BMS)



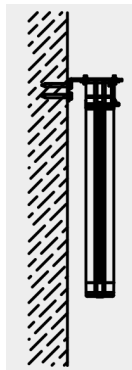
Touchscreen

## TRACK MOUNTING:

### Top Mount



### Side Mount

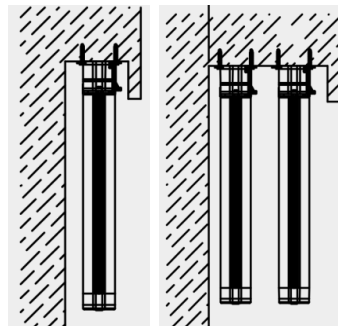


### Inverse Mount



≈ 420 mm is required from track to the ceiling.

### Parallel Mount







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Sun Control  
Façades

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Hunter Douglas Asia Operations  
Tel: +603 5191 2020

[www.hunterdouglas.asia](http://www.hunterdouglas.asia)



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