

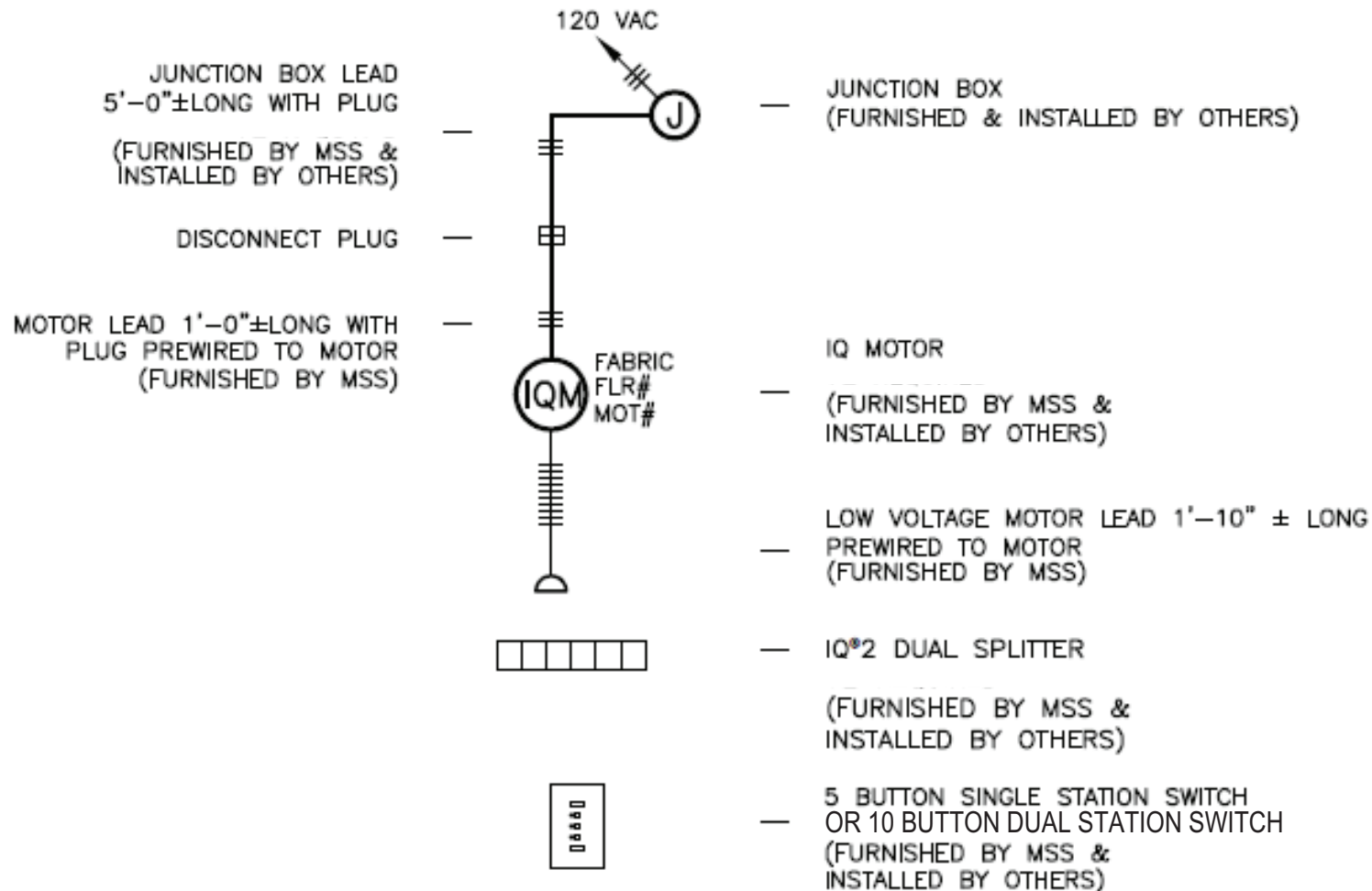


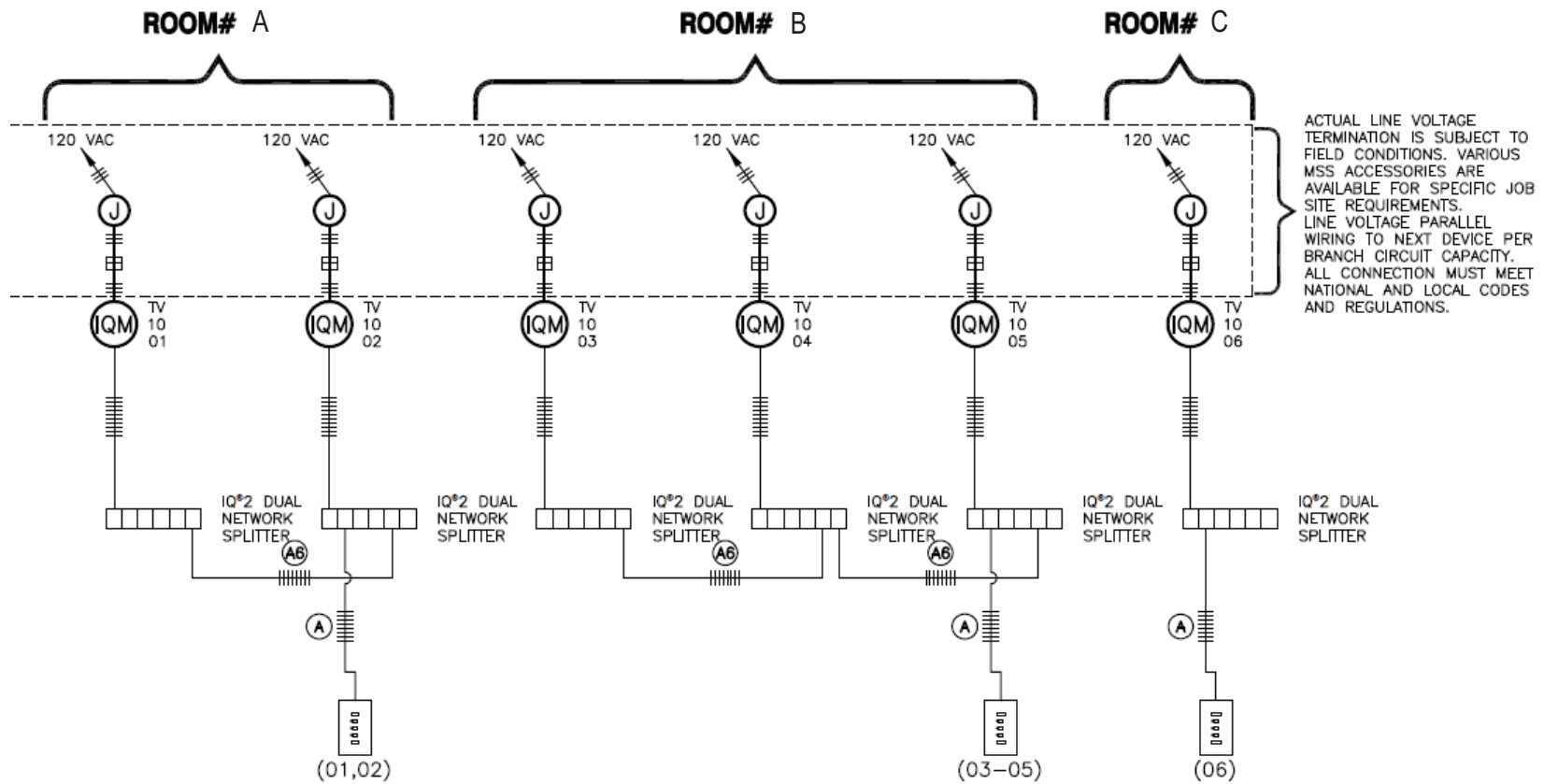
## Overview of the MechoSystems WhisperShade® IQ2® EDU

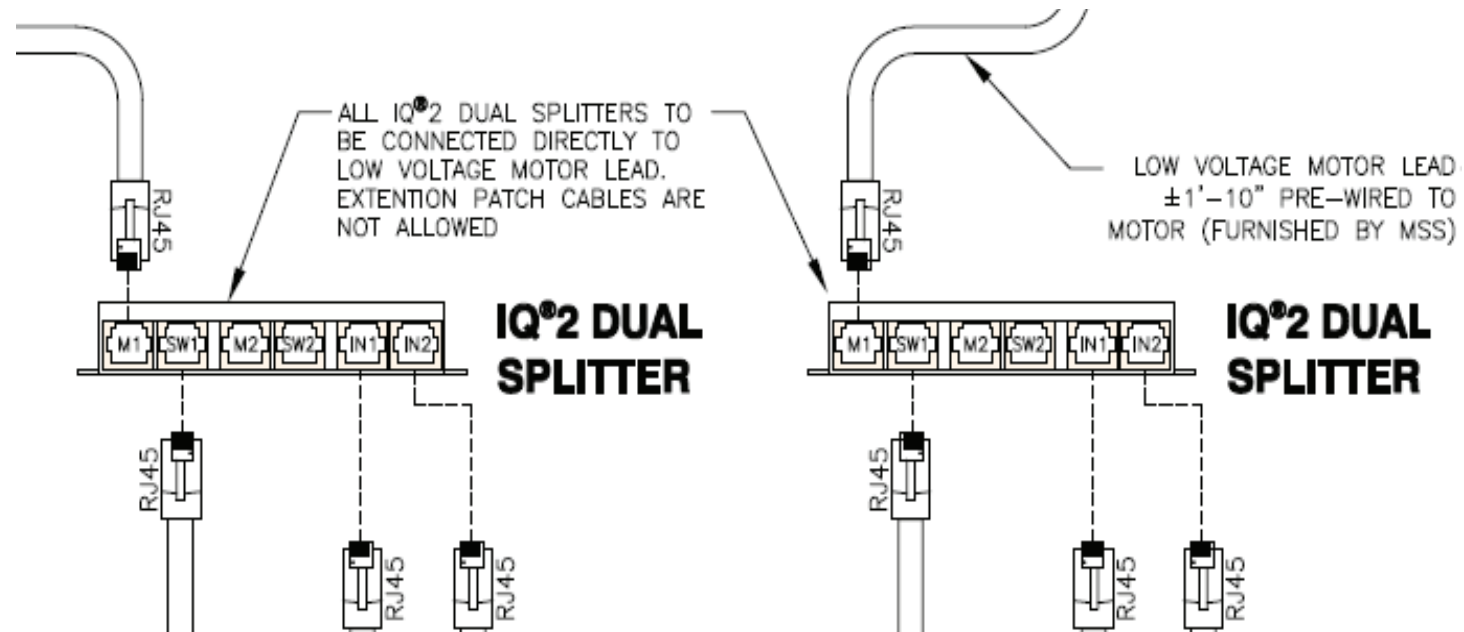
“Please note that these are typical wiring diagrams. This information is not project specific.”

## Typical Equipment Key

### EQUIPMENT KEY FOR IQ SYSTEM







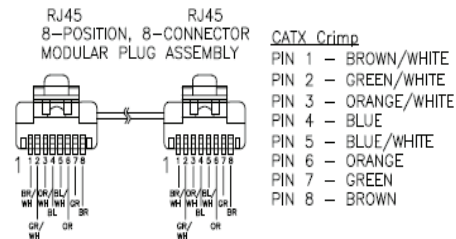
## LOW VOLTAGE CABLE LEGEND

<p><b>A</b></p>	<p>CAT5/6E – FOR LOW VOLTAGE DRY CONTACT CONNECTIONS 24AWG 4UTP (8-CONDUCTOR STRANDED UNSHIELDED TWISTED PAIR) OLYMPIC WIRE AND CABLE (www.olympicwire.com 1-800-526-2269) PART No. 3078M5FH. TERMINATION: RJ-45 MODULAR PLUG CRIMPED (USOC) ON BOTH ENDS</p> <p>CAT5/6E – FOR LOW VOLTAGE DRY CONTACT CONNECTIONS IN PLENUM AREAS 24AWG 4UTP (8-CONDUCTOR SOLID UNSHIELDED TWISTED PAIR) OLYMPIC WIRE AND CABLE (www.olympicwire.com 1-800-526-2269) PART No. 3604M55 SOLID CONDUCTOR RJ-45 MODULAR PLUGS CRIMPED (USOC) ON BOTH ENDS DISTANCE LIMITATION: 400' CUMULATIVE (FURNISHED &amp; INSTALLED BY OTHERS)</p>
<p><b>A6</b></p>	<p>CAT5/6E – CABLE FOR MECHONET 24 AWG 4UTP (8-CONDUCTOR STRANDED UNSHIELDED TWISTED PAIR) TERMINATION: RJ-45 MODULAR PLUGS CRIMPED (USOC) ON BOTH ENDS DISTANCE LIMITATION: 4000' CUMULATIVE. MAX. NODES: 250. (FURNISHED &amp; INSTALLED BY OTHERS)</p>
<p><b>NOTES</b></p>	
<ol style="list-style-type: none"> <li>1. PARALLEL WIRING TO NEXT DEVICE PER BRANCH CIRCUIT CAPACITY. ALL CONNECTION MUST MEET NATIONAL AND LOCAL CODES AND REGULATIONS.</li> <li>2. ADDRESS SCHEDULES REQUIRED.</li> <li>3. MAXIMUM VOLTAGE FOR ALL UNMARKED CABLE IS 43.5 VDC.</li> <li>4. LOW VOLTAGE CABLES SHOULD NOT BE ROUTED NEAR POWER LINES OR ELECTRICAL DEVICES SUCH AS LIGHTING BALLASTS, DIMMERS AND LED DRIVERS THAT MAY EXPOSE THE SYSTEM TO EXCESSIVE ELECTRICAL NOISE.</li> </ol>	

## WHISPERSHADE® IQ®2 MOTOR WIRING DETAILS

### USOC CRIMPING INSTRUCTIONS FOR EIGHT CONDUCTOR CABLES

**LOW VOLTAGE CABLE**  
(CAT5/CAT5e/CAT6 CABLE)

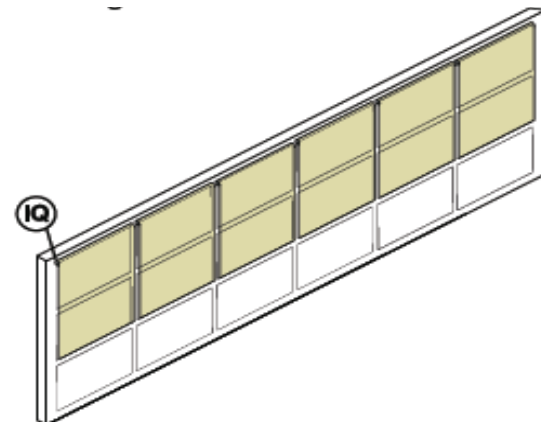
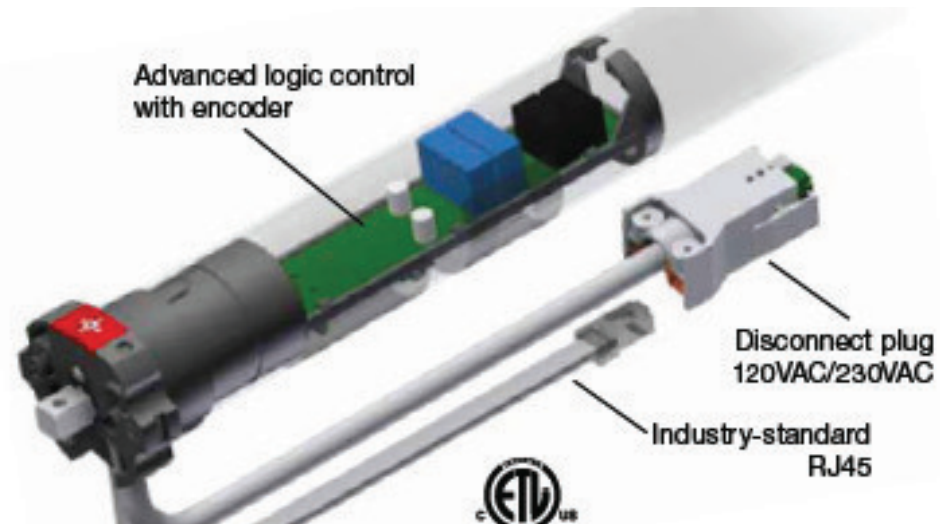


### IQ2 Electronic Drive Unit

- Quiet operation, even at larger lifting capacities.
- Built-in MechoNet, a serial-communication protocol, for two-way communication.
- Built-in dry-contact interface.
- Embedded digital encoder for precise shade-band positions.
- Five shade-band positions, including three customizable intermediate positions.
- Automatic calibration.
- Over a 100 alignment points available.

### High-torque, large lifting capacity

- A single motor to drive multiple shade bands.
- Multi-banding to reduce the motor count and wiring needs, thus, minimizing costs.



High torque (120VAC) IQ2 Electronic Drive Units can quietly lift multiple or larger shade bands, reducing motor and wiring costs.

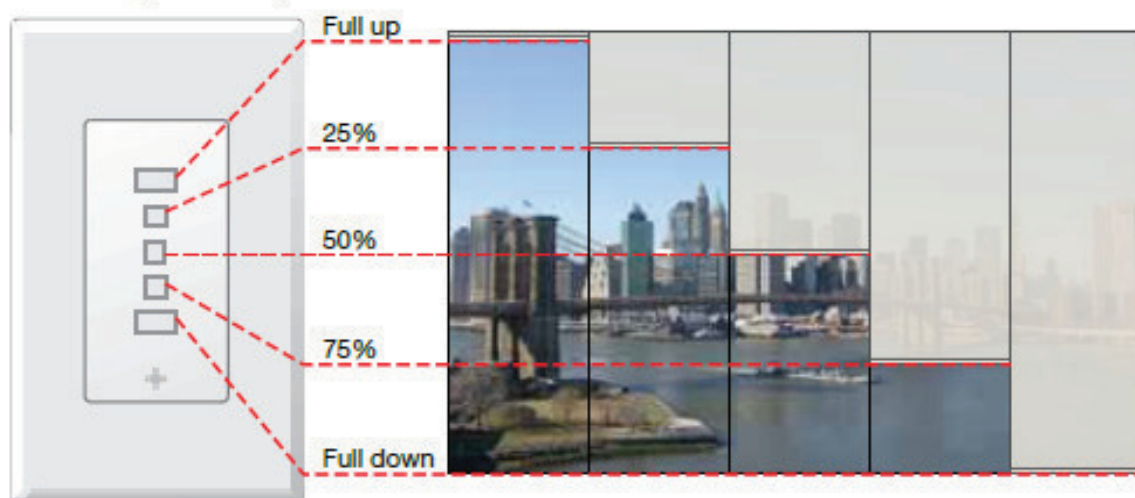
## The IQ switch— Dry-contact control

More switches, more convenient control, more flexibility.

An IQ switch can directly control a single shade band, a group of shades, or part of a hierarchy of local and master controls, without expensive group controllers.

- Up to 250 motors, 4,000 ft. (1,219.2m) per switch group.
- Direct wiring of the switch to the IQ2 Electronic Drive Unit for cost-effective and simple installation.
- Switches that fit standard Decora® and Claro™ wall plates to serve a wide range of applications.

## Five alignment positions



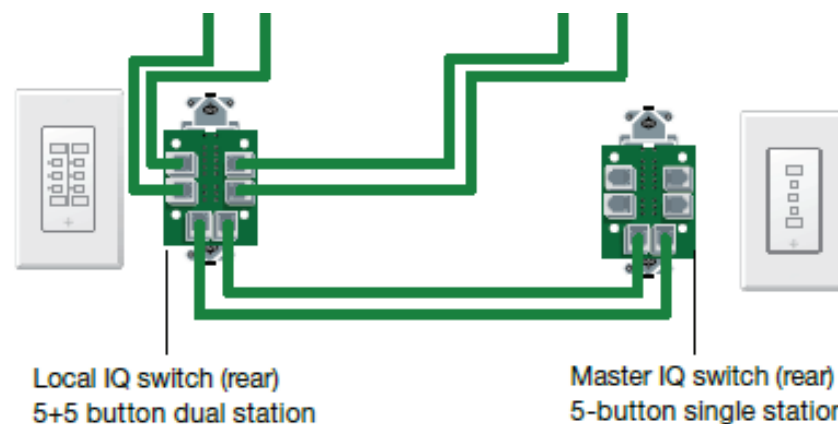
In addition to full-up and full-down, the switch provides three intermediate heights. These positions are factory preset at 25%, 50%, and 75% heights but can be user-customized to align with architectural features such as mullions or set at any other desired heights.



5-button  
single-  
station  
IMLC DS05  
WH WH

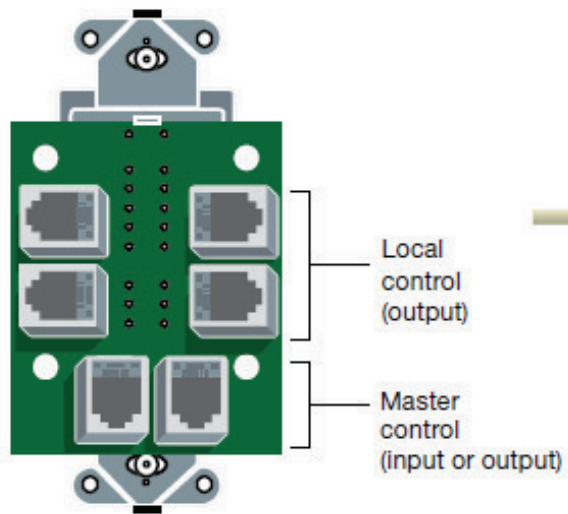


5+5 button  
dual-  
station  
IMLC DS55  
WH WH

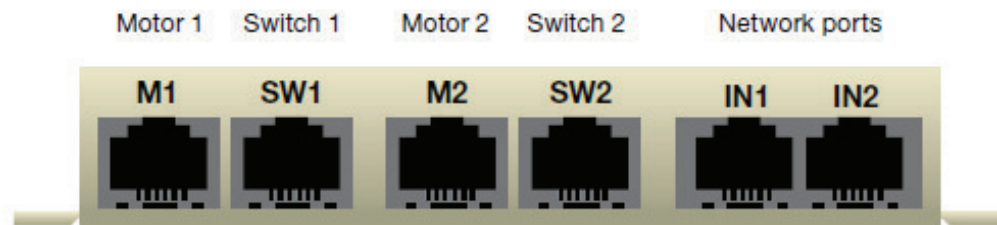


Cat-5 or Cat-6 low voltage modular cable

Rear of IQ switch



IQ Dual Splitter



The wiring-accessory device where there are connections for two IQ motors and two associated IQ switches. There are also connections for daisy-chaining the MechoNet network.