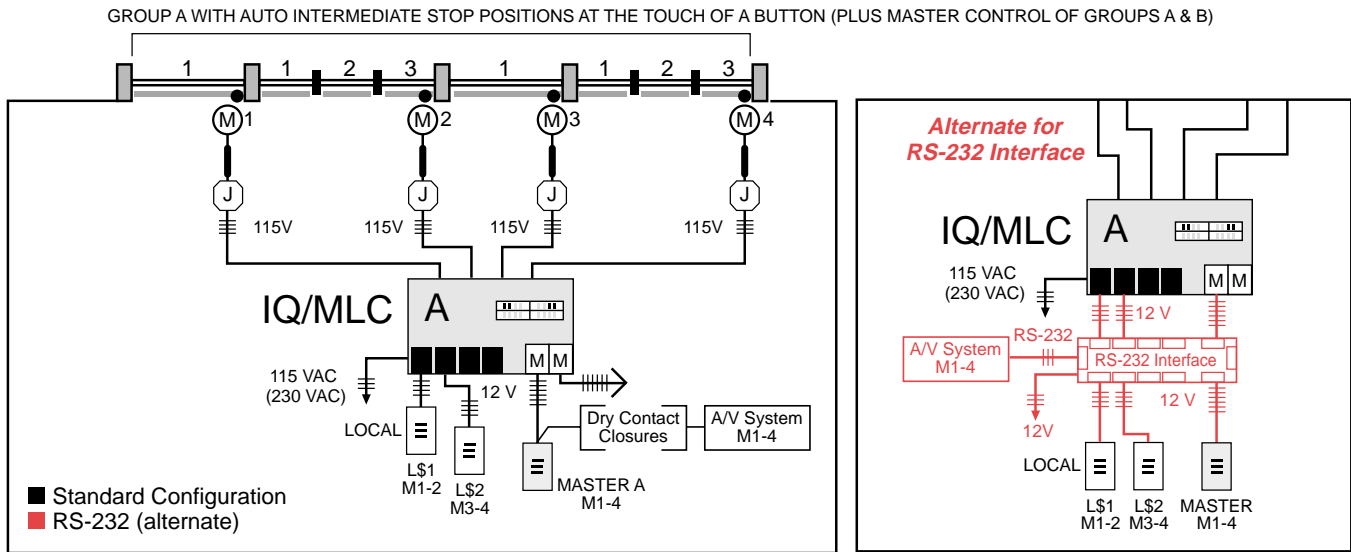


Hardwired: Low Voltage Controls – IQ/MLC™

IQ/MLC Applications

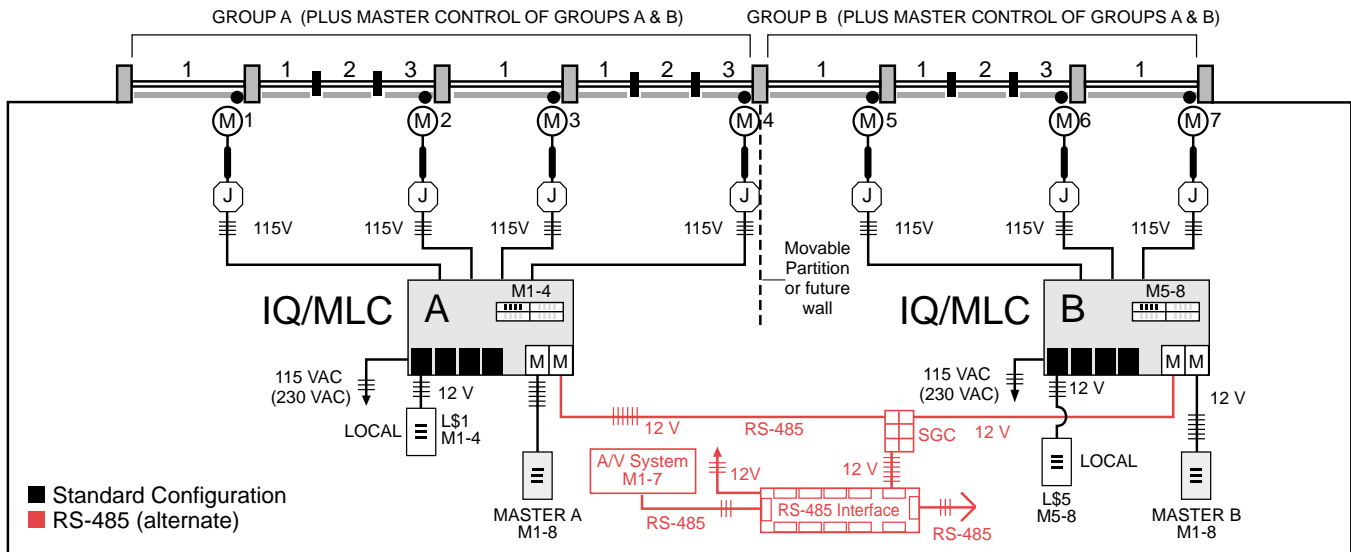
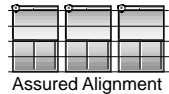
IQ/MLC™ with standard motors for single and multibanded shades



LOCAL & MASTER CONTROL

With auto-set intermediate stop positions for assured alignment.

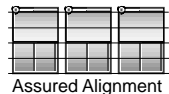
- a) Local Switch L\$1 controls motors 1 & 2 via internal dip switches.
- b) Local Switch L\$2 controls motors 3 & 4 via internal dip switches.
- c) A/V System, with a dry contact or RS-232 interface, controls motors 1-4.
- d) Master Switch A controls motors 1-4.



LOCAL & MASTER CONTROL

With auto-set intermediate stop positions for assured alignment.

- a) Local Switch L\$1 on IQMLC A controls 3 motors 1-4 via internal dip switches.
- b) Local Switch L\$5 on IQ/MLC B controls motors 5-8 via internal dip switches.
- c) A/V System, with a dry contact or RS-485 interface, controls motors 1-7.
- d) Master Switches A & B control motors 1-7.



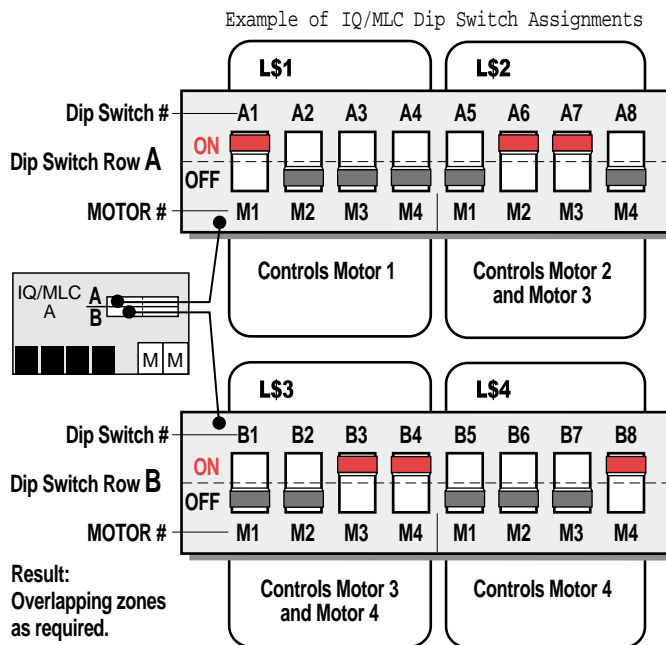
Hardwired: Low Voltage Controls – IQ/MLC™

IQ/MLC™ – Features

IQ/MLC™ – Switch Management

4 zones – Each motor control zone is associated with a local switch port (L\$1, L\$2, L\$3 and L\$4)

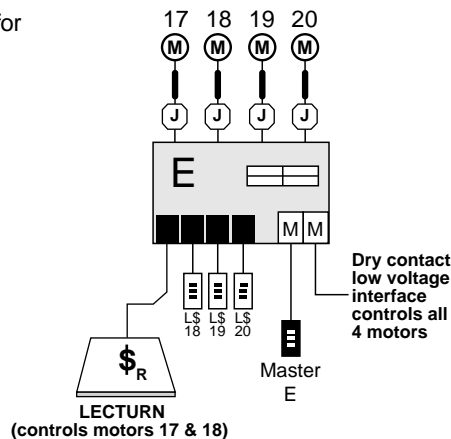
Each local switch port may control any combination of 4 motors through the DIP Switch settings.



Low Voltage Interface for A/V Control:

Connect local or master switch ports to the optional IQ/MLC™ RS-232/485 interface or third party dry contact closures.

Three dry contact closure terminals are required for full operation of IQ/MLC: Two dry contact closures for up/down operation only.



Hardwired: Low Voltage Controls – IQ/MLC™

For A/V and Dimming Control Systems Integration with
Building Management Systems • Smart Homes • Home Theatre • Conference Rooms

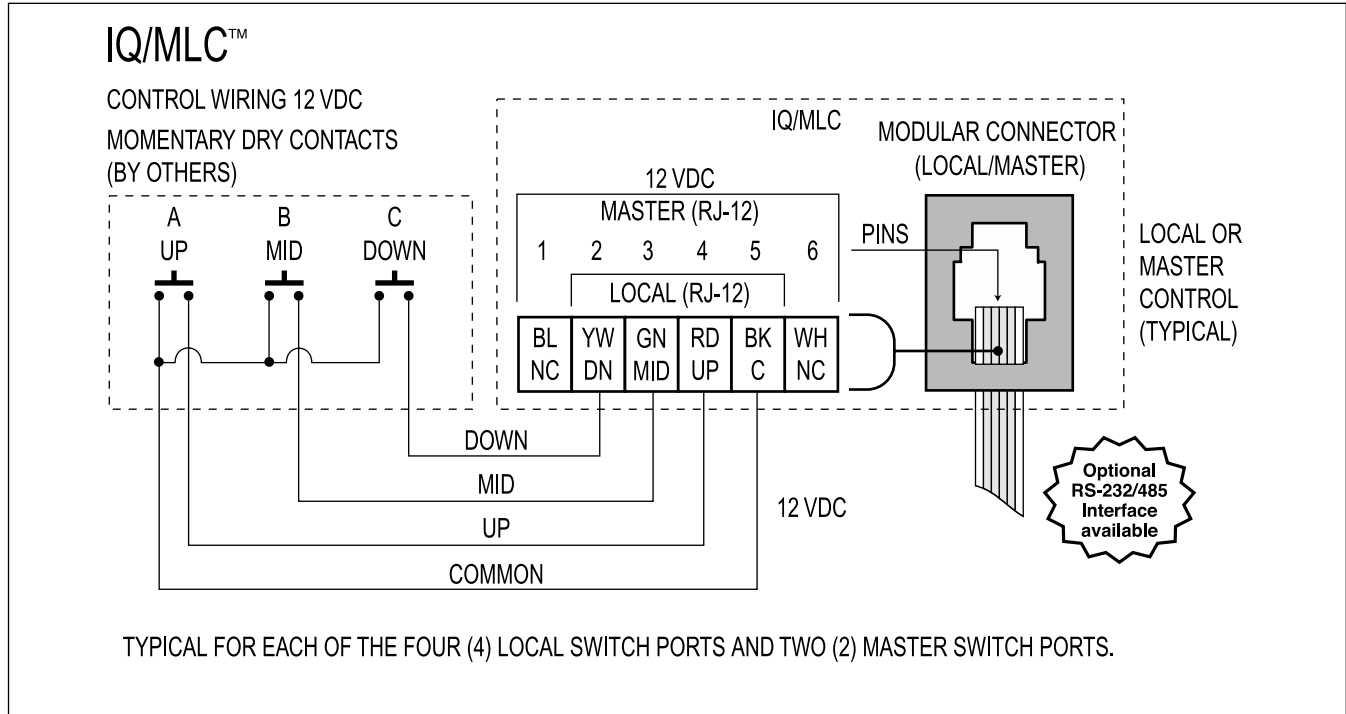
IQ/MLC™ Window Management System for ElectroShades® using Dry Contact Closures

If UP, DOWN and 3 INTERMEDIATE Stop Positions are required:

- Provide three (3) low voltage, 12 VDC, 10mA momentary dry contacts, A (UP), B (MID POINT) and C (DOWN).
- To move the shades DOWN requires a momentary pulse of Contact C.
- To move the shades UP requires a momentary pulse of Contact A.
- To stop the shades while traveling, pulse either contacts A, B or C.
- To move the shades to Position 1 (25% down). Requires a momentary pulse of Contact A & B.
- To move the shades to Position 2 (50% down). Requires a momentary pulse of Contact B.
- To move the shades to Position 3 (75% down). Requires a momentary pulse of Contact B & C.
- Recommended momentary pulse length between 100 and 500 milliseconds.

If only UP and DOWN positions are required:

- Provide two (2) low voltage, 12 VDC, 10mA momentary dry contacts, A (UP), B (DOWN).
- To stop the shade while traveling; pulse either contact.
- To activate UP or DOWN, pulse either contact.



Continued 

MechoShade Systems, Inc.
42-03 35th Street, Long Island City, NY 11101
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Fax: 718-729-2941 / 800-899-8081

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Hardwired: Low Voltage Controls – IQ/MLC™

For A/V and Dimming Control Systems applications for
Building Management Systems • Smart Homes • Home Theatre

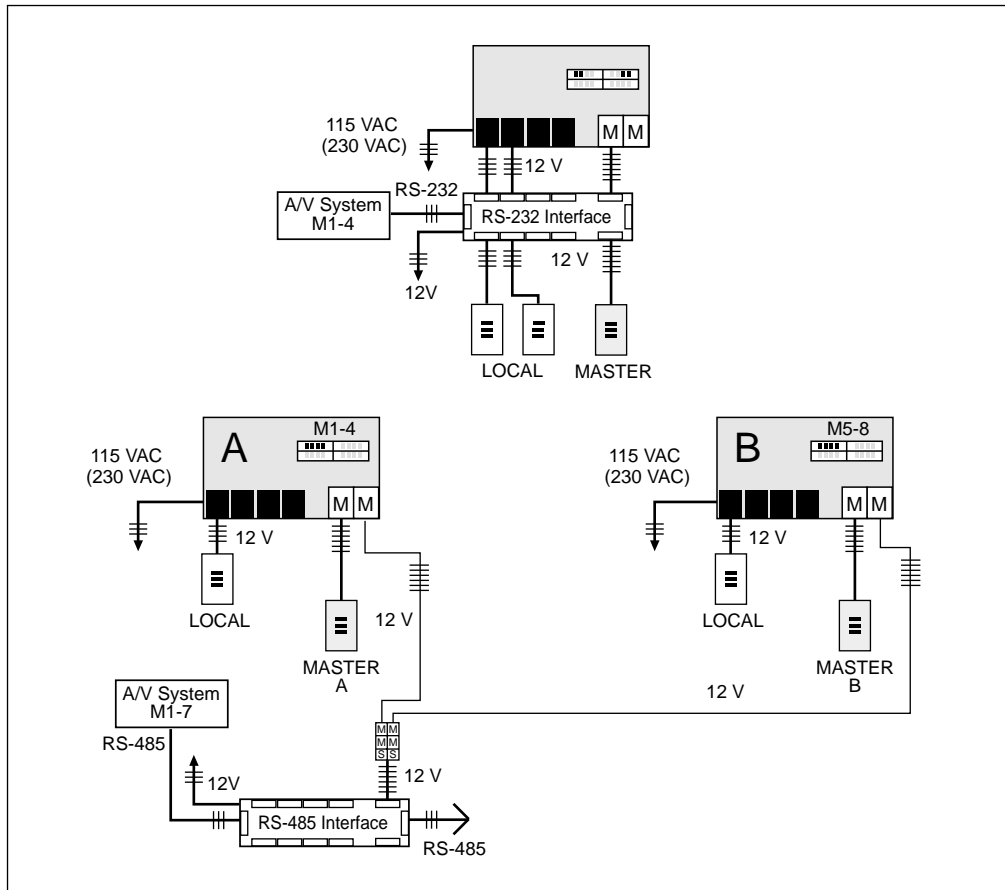
IQ/MLC™ Window Management System for ElectroShades® using an RS-232/485 Interface

For control of a single IQ/MLC via RS-232:

- Use optional IQ/MLC RS-232 Interface EMLC 0232 RS MO.
- Connect the A/V System to the Communications Port on the RS-232 Interface using a modular cable connection.
- Connect the IQ/MLC Local Switch Ports #1-4 to Local Switches via the IN and OUT Ports #1-4 on the RS Interface. Either IQ/MLC Master Switch Port can connect to a Master Switch via IN and OUT Ports #5 on the RS Interface
- For POWER connect the RS-232 Interface to the IQ/MLC.

For control of multiple IQ/MLC's via RS-485:

- Use optional IQ/MLC RS-485 Interface EMLC 0485 RS MO.
- Follow the same procedure above for Master Ports and connect the Local Switches connect directly to the IQ/MLC as per the standard wiring diagram.
- Multiple IQ/MLC's can be connected to a single Master Port on the RS Interface via approved modular T or Y connectors.
- RS-485 Interfaces may be daisy chained together to form larger networks via the IN and OUT Communications Ports on the RS Interface.



Continued 

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